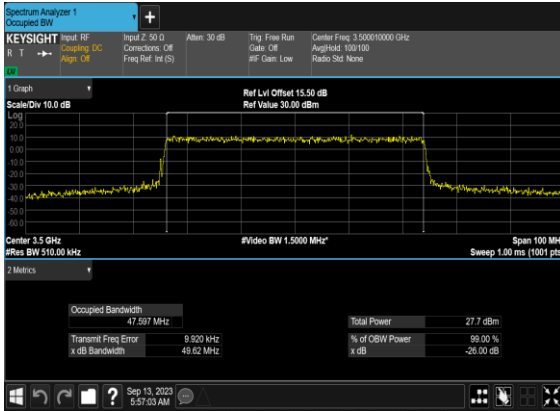
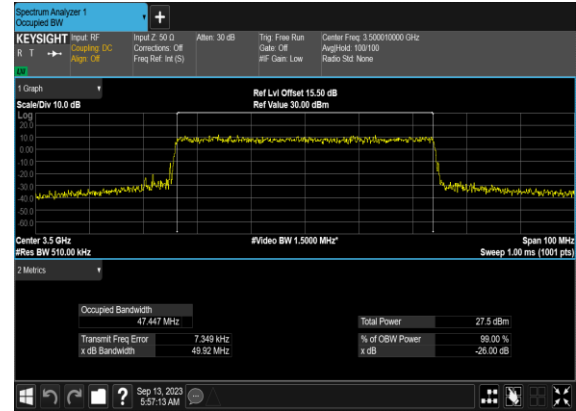


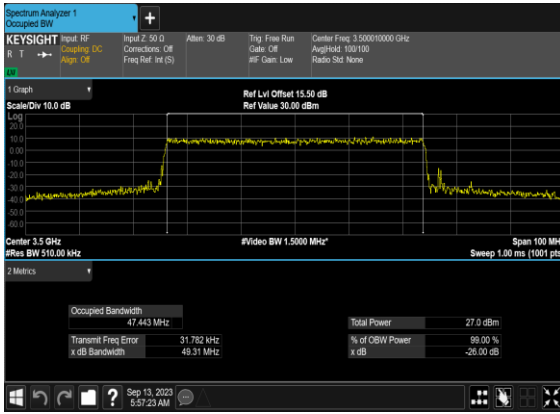
N78(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



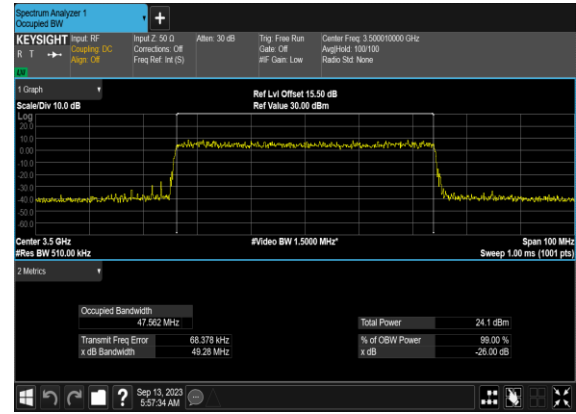
N78(50M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



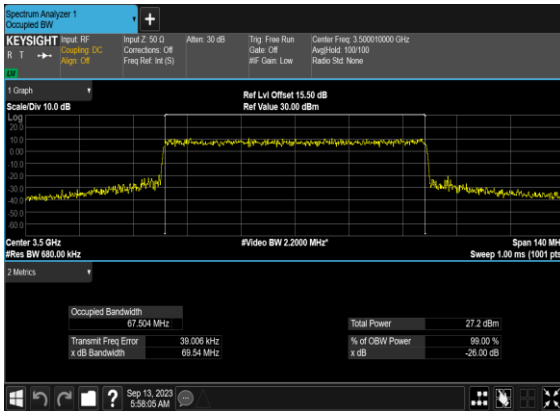
N78(50M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



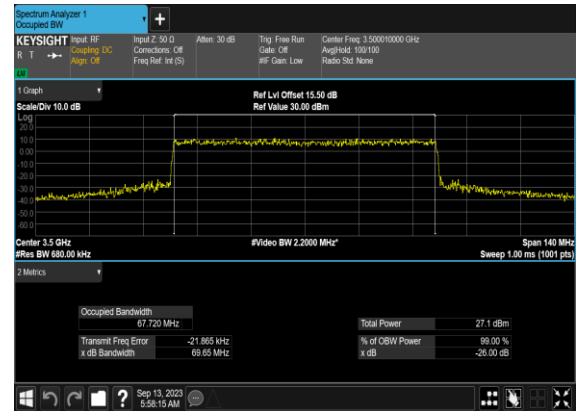
N78(50M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



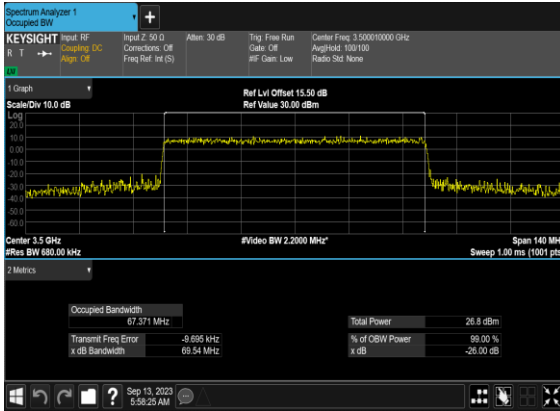
N78(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



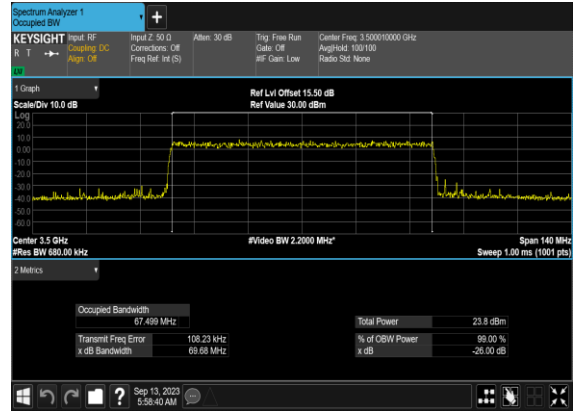
N78(70M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



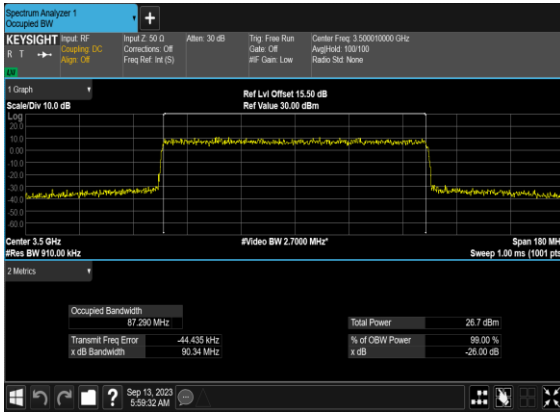
N78(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



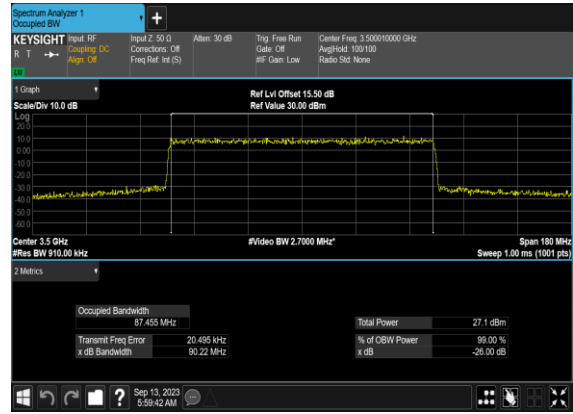
N78(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N78(90M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



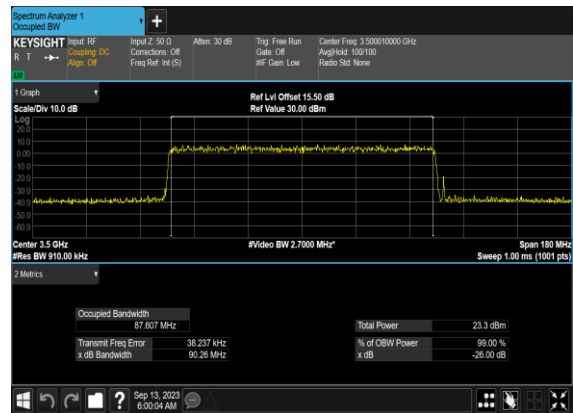
N78(90M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N78(90M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N78(90M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



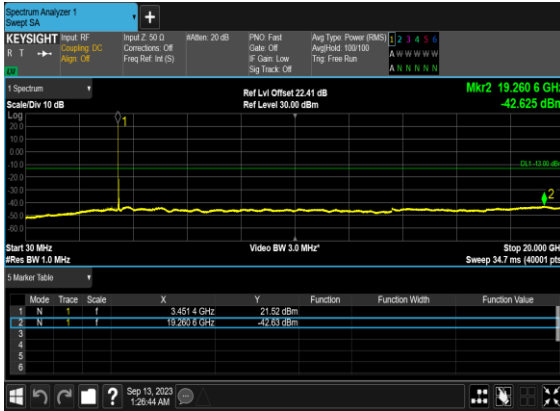
Conducted Spurious Emissions

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

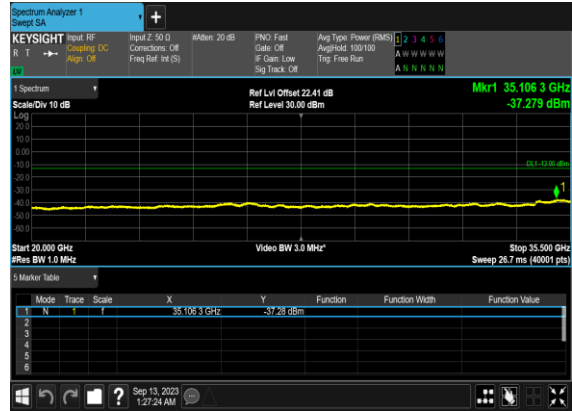
78	30	70	632334	3485.01	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	70	633334	3500.01	CP-OFDM QPSK	1@0	see graph	---
78	30	70	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
78	30	70	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
78	30	70	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	---
78	30	70	633334	3500.01	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

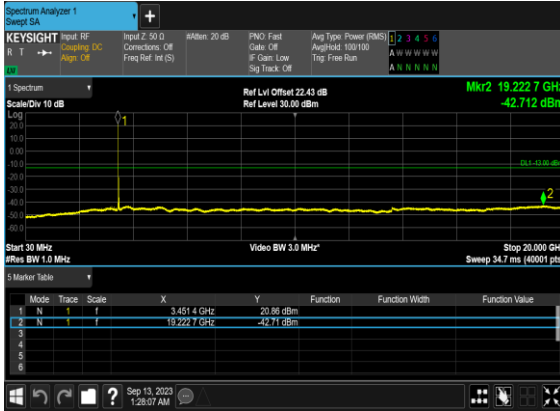
N78(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



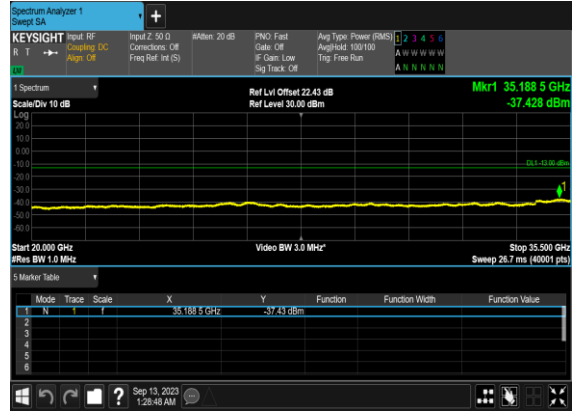
N78(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



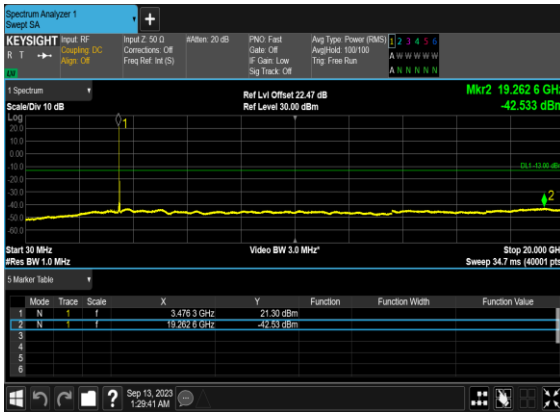
N78(50M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



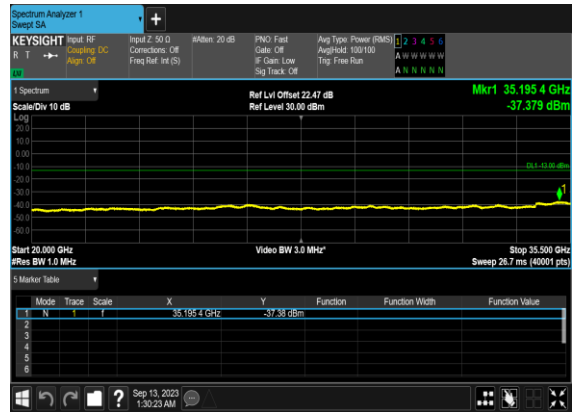
N78(50M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



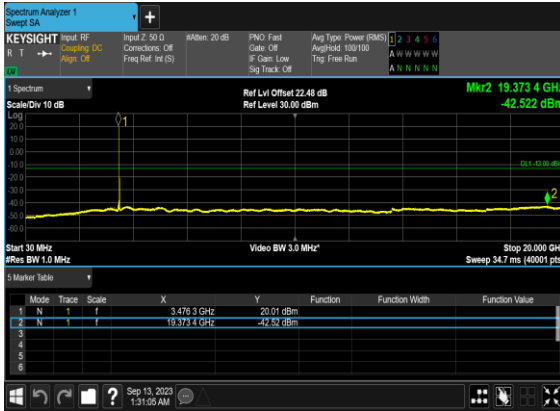
N78(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



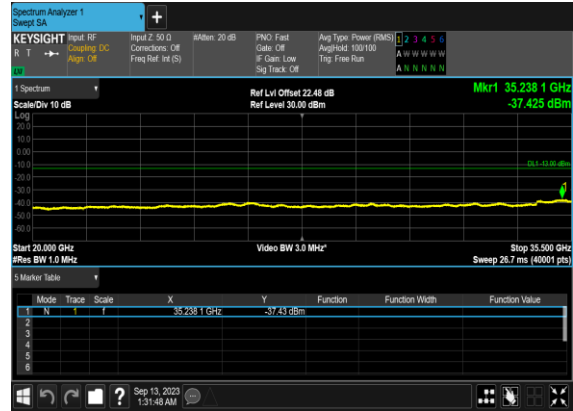
N78(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



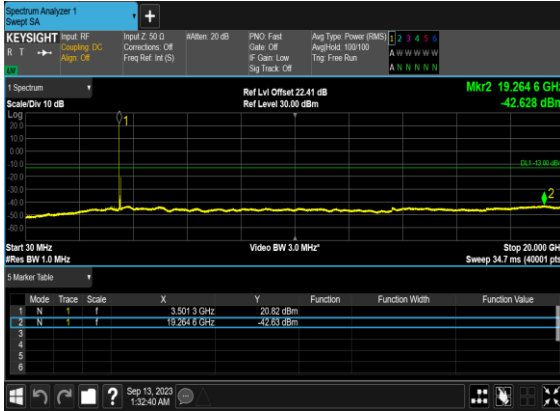
N78(50M)_CP-OFDM_16 QAM_Edge_1RB_Left_Mid_CH



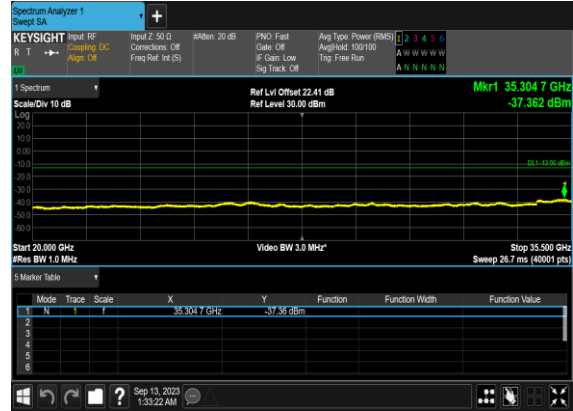
N78(50M)_CP-OFDM_16 QAM_Edge_1RB_Left_Mid_CH



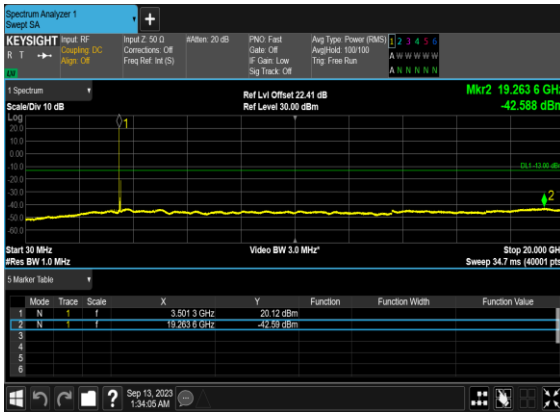
N78(50M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



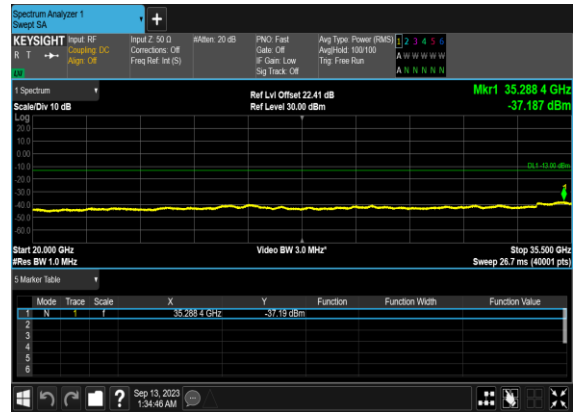
N78(50M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



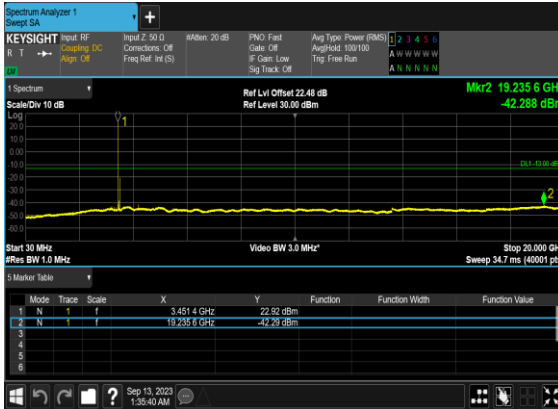
N78(50M)_CP-OFDM_16 QAM_Edge_1RB_Left_High_CH



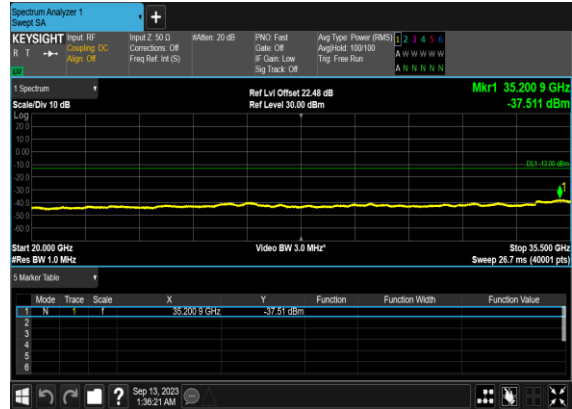
N78(50M)_CP-OFDM_16 QAM_Edge_1RB_Left_High_CH



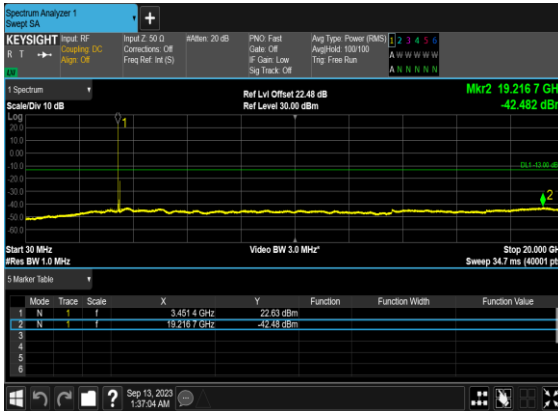
N78(70M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



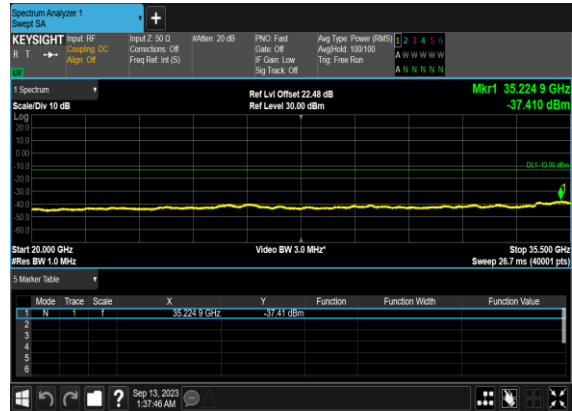
N78(70M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



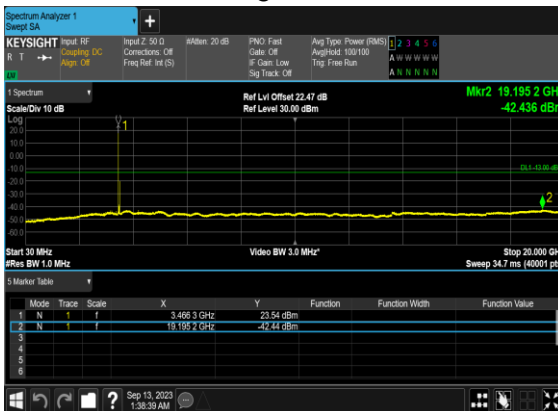
N78(70M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



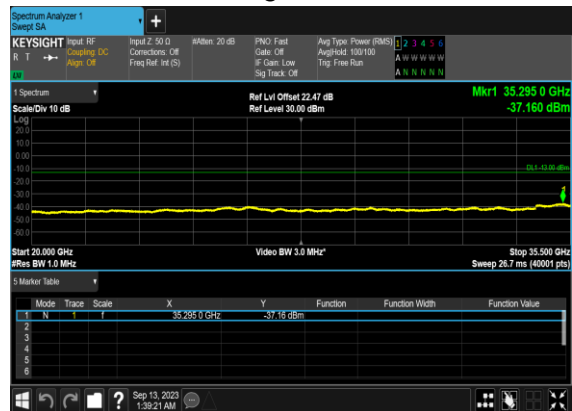
N78(70M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



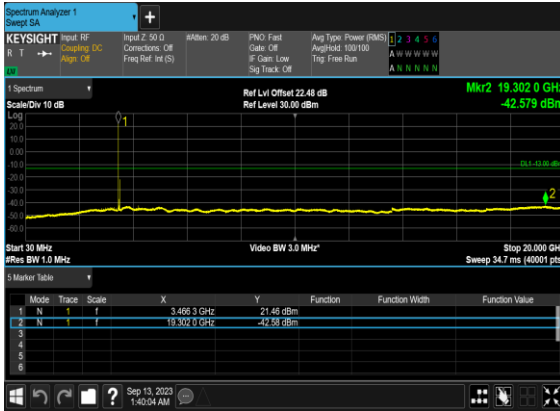
N78(70M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



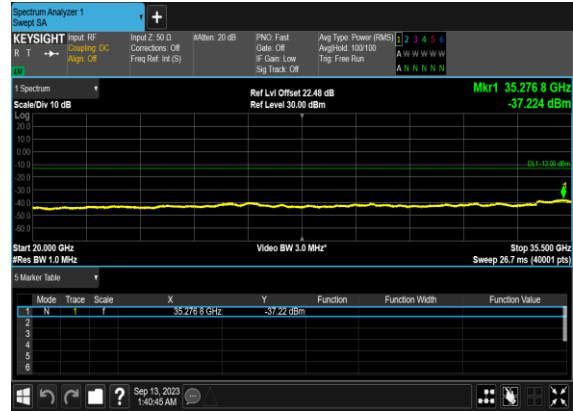
N78(70M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



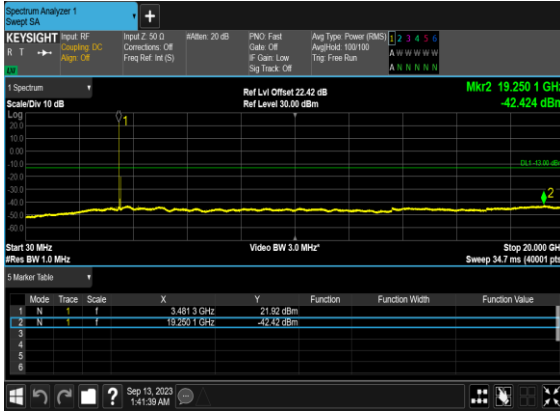
N78(70M)_CP-OFDM_16 QAM_Edge_1RB_Left_Mid_CH



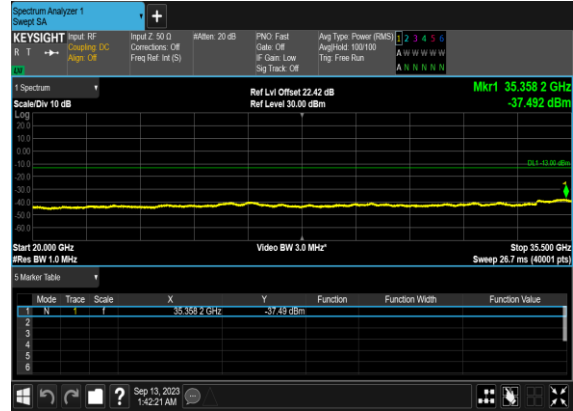
N78(70M)_CP-OFDM_16 QAM_Edge_1RB_Left_Mid_CH



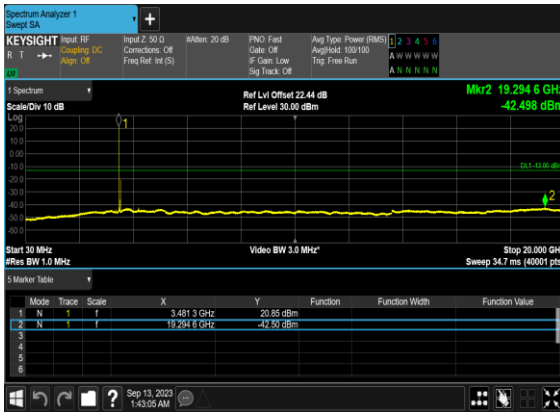
N78(70M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



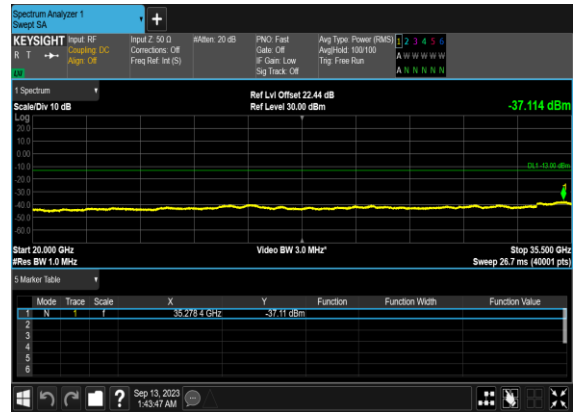
N78(70M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



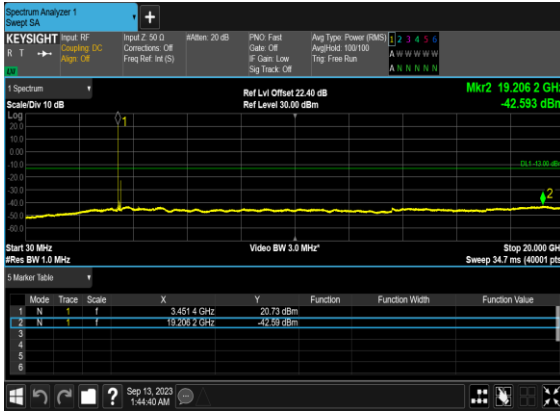
N78(70M)_CP-OFDM_16 QAM_Edge_1RB_Left_High_CH



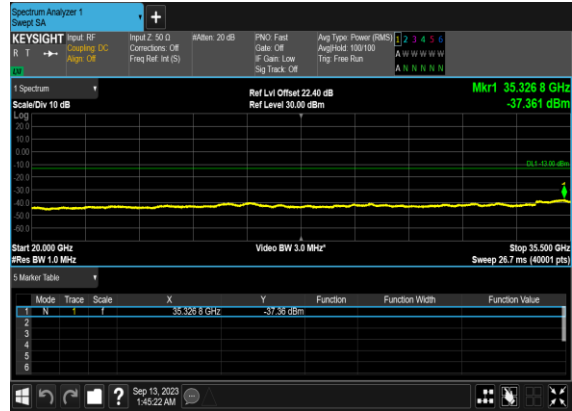
N78(70M)_CP-OFDM_16 QAM_Edge_1RB_Left_High_CH



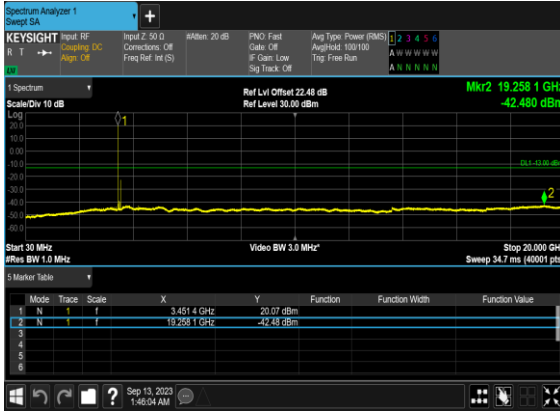
N78(90M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



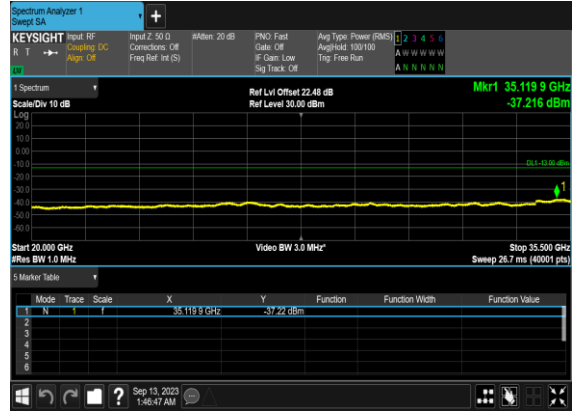
N78(90M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



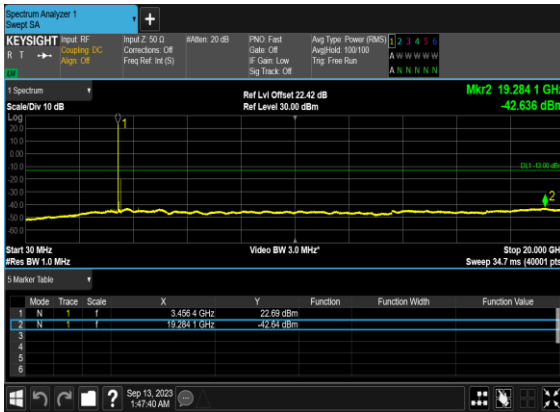
N78(90M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



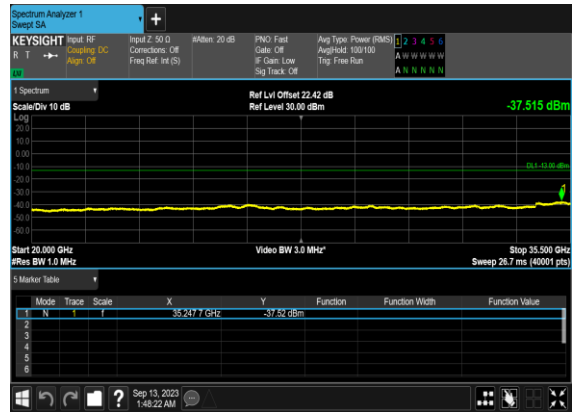
N78(90M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



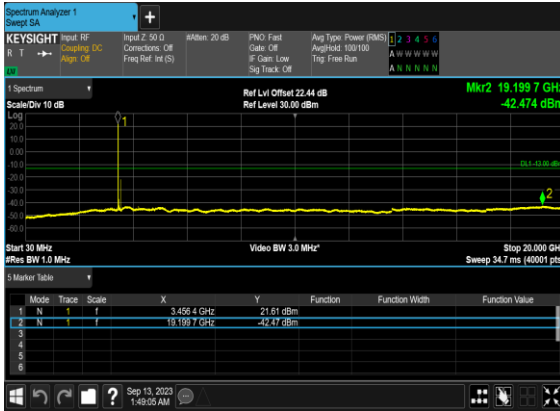
N78(90M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



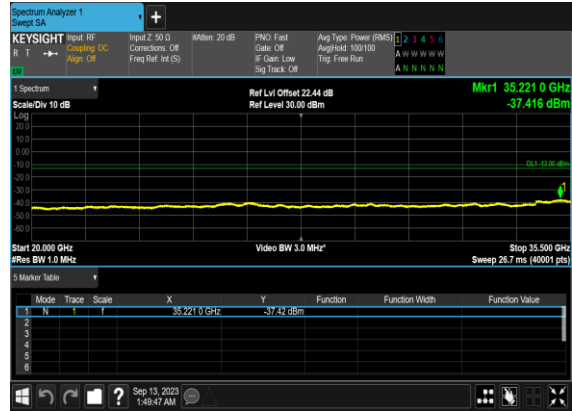
N78(90M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



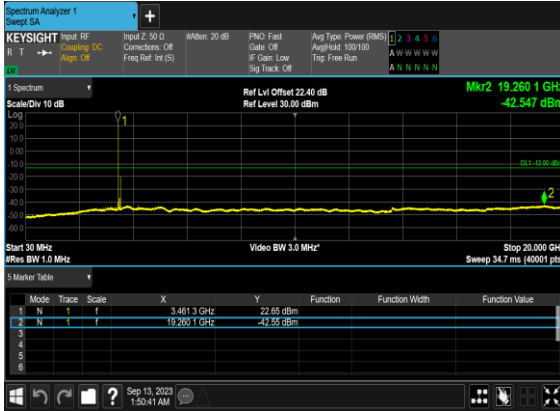
N78(90M)_CP-OFDM_16 QAM_Edge_1RB_Left_Mid_CH



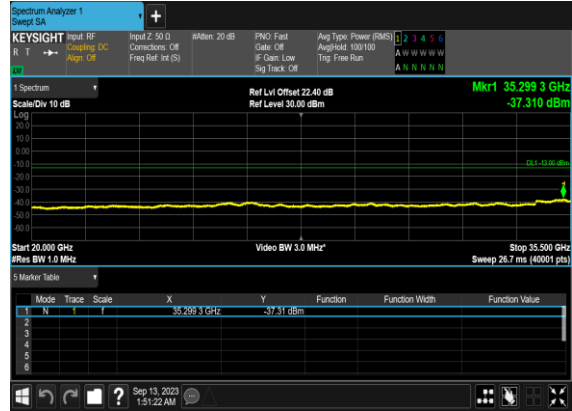
N78(90M)_CP-OFDM_16 QAM_Edge_1RB_Left_Mid_CH



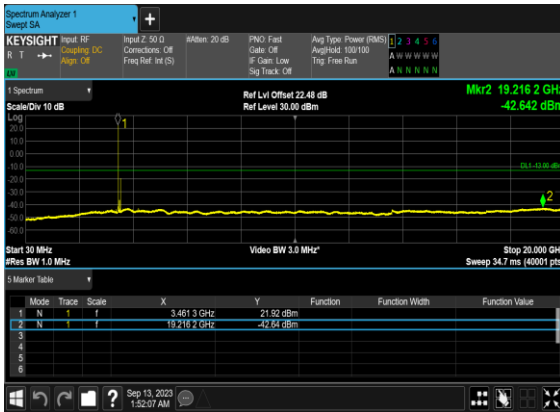
N78(90M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



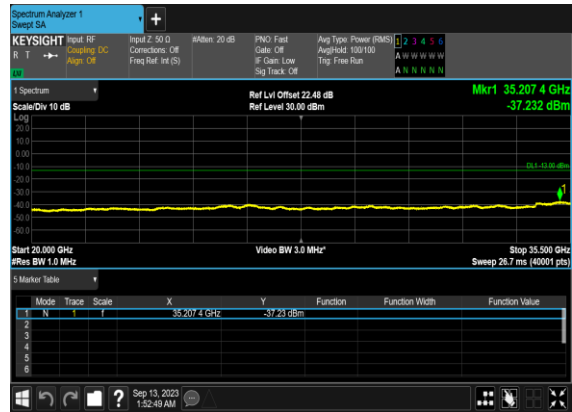
N78(90M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



N78(90M)_CP-OFDM_16 QAM_Edge_1RB_Left_High_CH



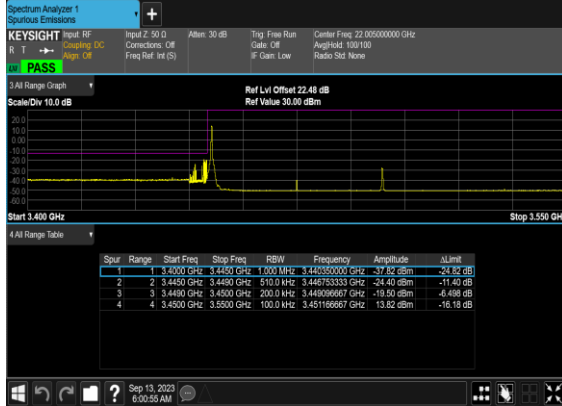
N78(90M)_CP-OFDM_16 QAM_Edge_1RB_Left_High_CH



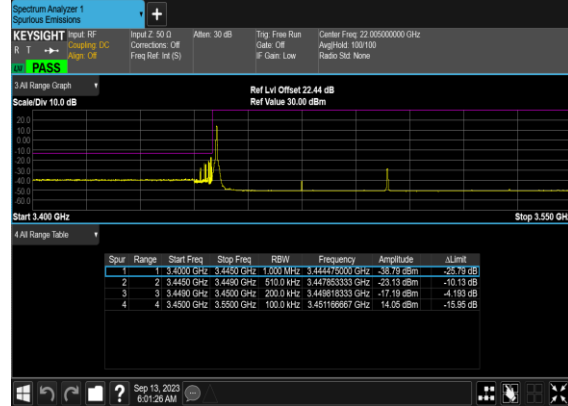
Conducted Band Edge

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

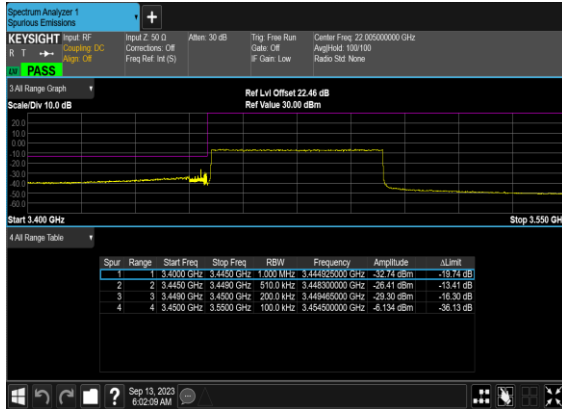
N78(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



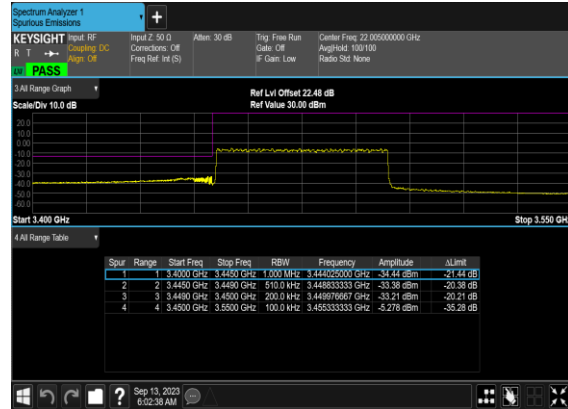
N78(50M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



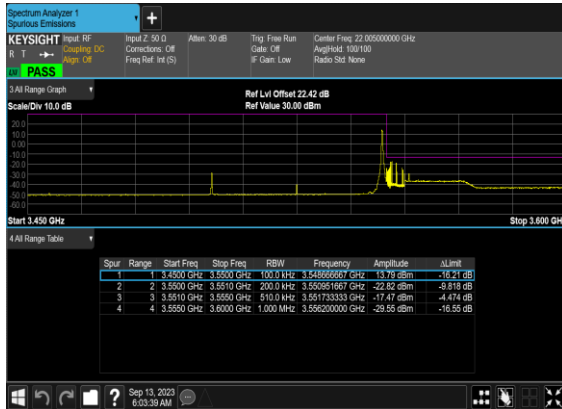
N78(50M)_CP- OFDM_QPSK_Outer_Full_Low_CH



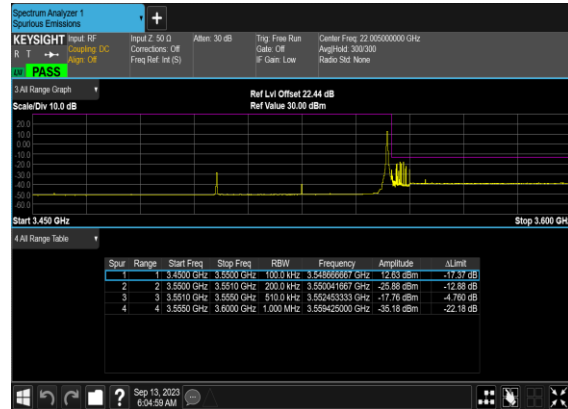
N78(50M)_CP-OFDM_16 QAM_Outer_Full_Low_CH



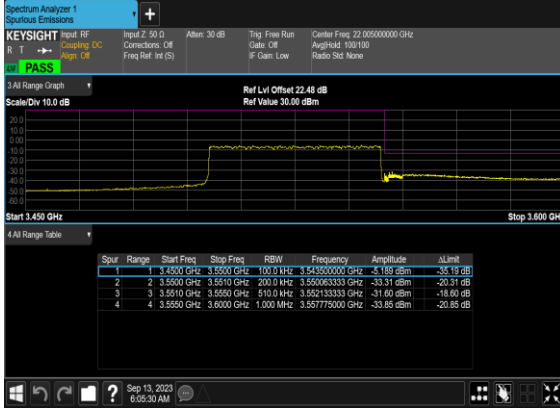
N78(50M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH



N78(50M)_CP-OFDM_16 QAM_Edge_1RB_Right_High_CH



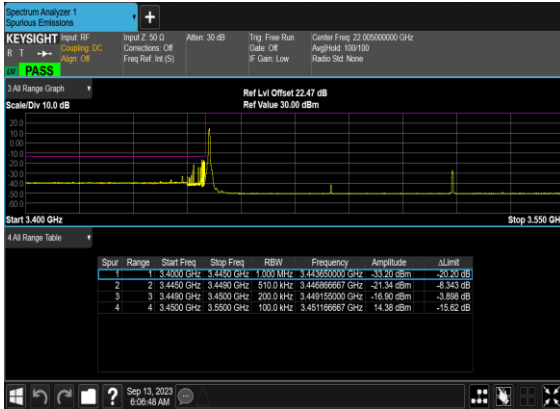
N78(50M)_CP-OFDM_QPSK_Outer_Full_High_CH



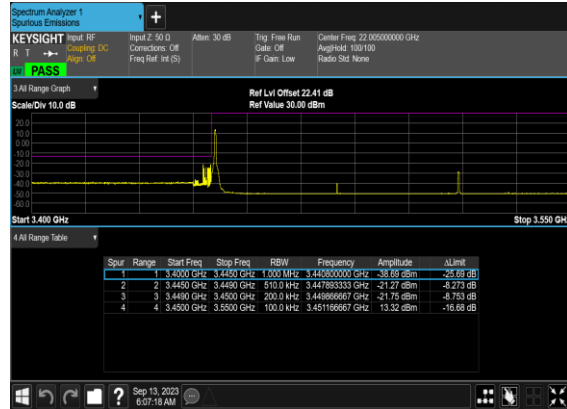
N78(50M)_CP-OFDM_16 QAM_Outer_Full_High_CH



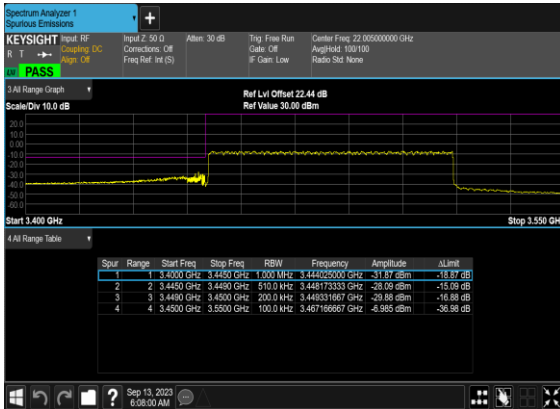
N78(70M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



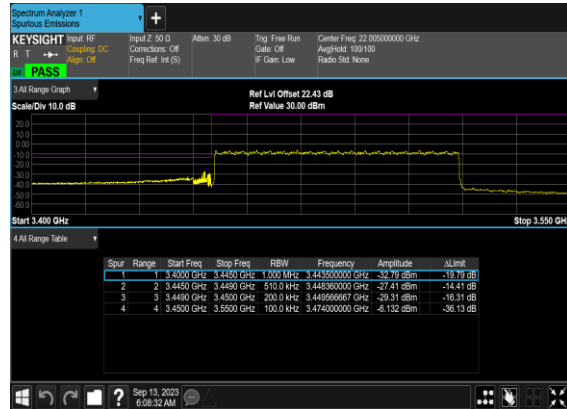
N78(70M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



N78(70M)_CP-OFDM_QPSK_Outer_Full_Low_CH



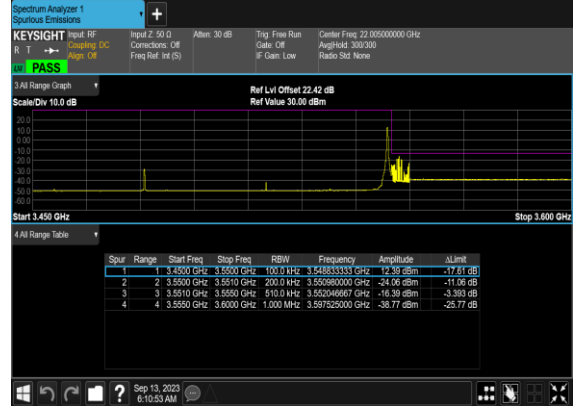
N78(70M)_CP-OFDM_16 QAM_Outer_Full_Low_CH



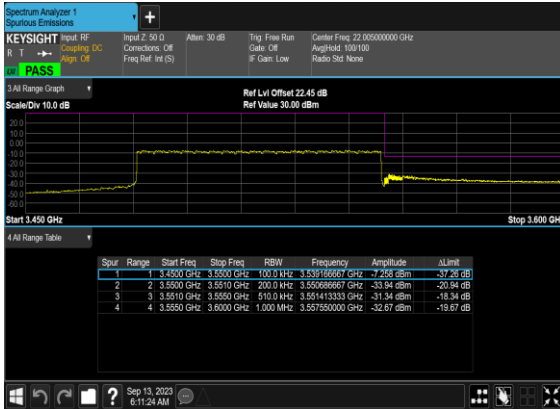
N78(70M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH



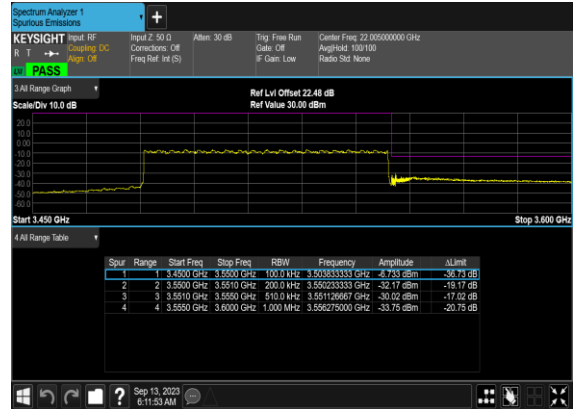
N78(70M)_CP-OFDM_16 QAM_Edge_1RB_Right_High_CH



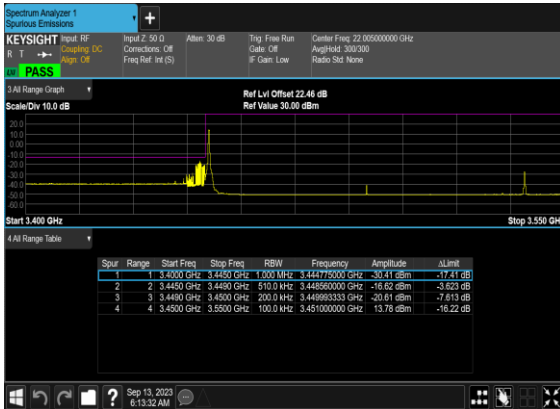
N78(70M)_CP- OFDM_QPSK_Outer_Full_High_CH



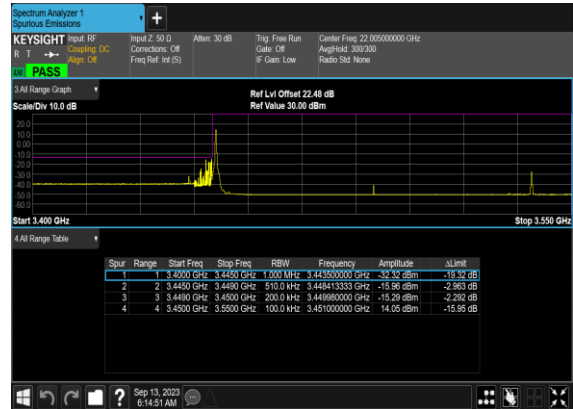
N78(70M)_CP-OFDM_16 QAM_Outer_Full_High_CH



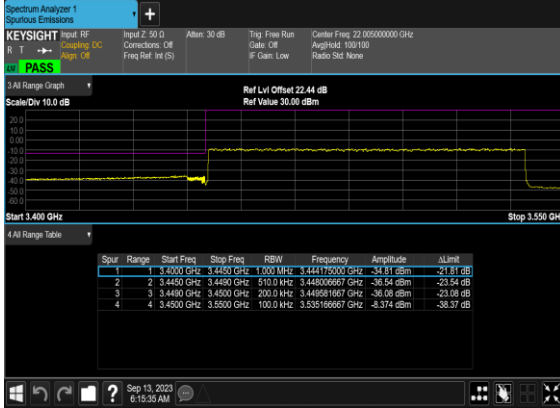
N78(90M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



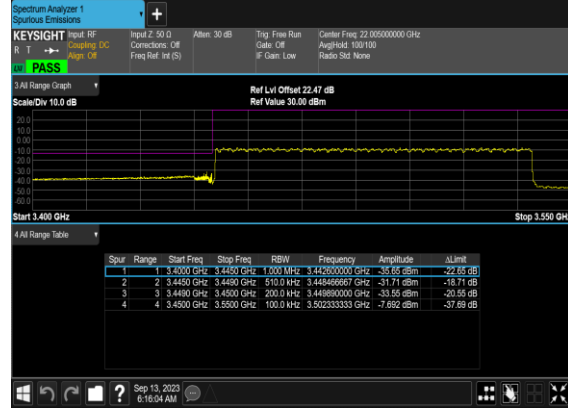
N78(90M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



N78(90M)_CP- OFDM_QPSK_Outer_Full_Low_CH



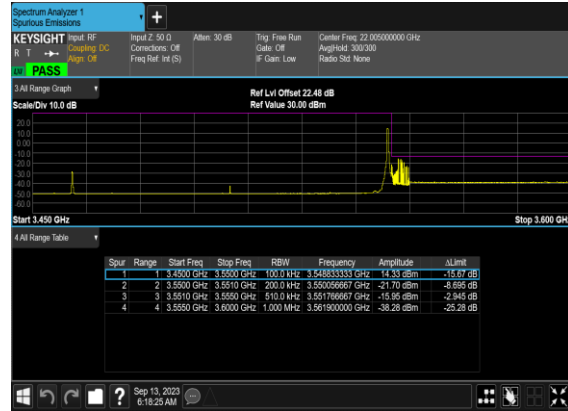
N78(90M)_CP-OFDM_16 QAM_Outer_Full_Low_CH



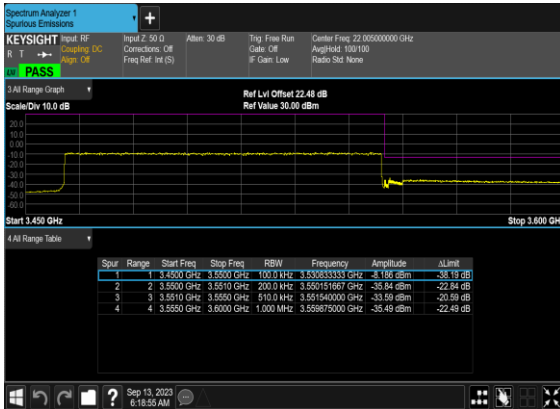
N78(90M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH



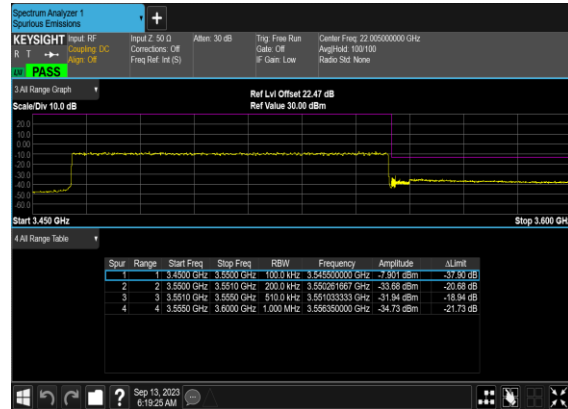
N78(90M)_CP-OFDM_16 QAM_Edge_1RB_Right_High_CH



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 :	Chris Chen	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 / ANT6								
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	-58.50	-13	-45.50	-68.71	3.03	13.24	H
	10368	-51.94	-13	-38.94	-61.39	3.56	13.01	H
	13824	-46.21	-13	-33.21	-55.73	3.92	13.44	H
	6912	-58.54	-13	-45.54	-68.75	3.03	13.24	V
	10368	-51.85	-13	-38.85	-61.30	3.56	13.01	V
	13824	-46.25	-13	-33.25	-55.77	3.92	13.44	V

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

EN-DC 2A_n77A / LTE 10MHz + NR 100MHz / QPSK / ANT0 (LTE) & ANT6(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	-58.32	-13	-45.32	-68.53	3.03	13.24	H
	10368	-51.80	-13	-38.80	-61.25	3.56	13.01	H
	13824	-46.15	-13	-33.15	-55.67	3.92	13.44	H
	6912	-58.34	-13	-45.34	-68.55	3.03	13.24	V
	10368	-51.47	-13	-38.47	-60.92	3.56	13.01	V
	13824	-46.41	-13	-33.41	-55.93	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 +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	6900	-52.04	-13	-39.04	-62.25	3.03	13.24	H
	10368	-51.63	-13	-38.63	-61.08	3.56	13.01	H
	13824	-46.19	-13	-33.19	-55.71	3.92	13.44	H
	6900	-52.03	-13	-39.03	-62.24	3.03	13.24	V
	10368	-51.36	-13	-38.36	-60.81	3.56	13.01	V
	13824	-46.23	-13	-33.23	-55.75	3.92	13.44	V

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

EN-DC_2A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT0 (LTE) & ANT6(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	6984	-58.98	-13	-45.98	-69.19	3.03	13.24	H
	10476	-51.95	-13	-38.95	-61.40	3.56	13.01	H
	13968	-45.54	-13	-32.54	-55.06	3.92	13.44	H
	6984	-59.09	-13	-46.09	-69.30	3.03	13.24	V
	10476	-51.59	-13	-38.59	-61.04	3.56	13.01	V
	13968	-45.03	-13	-32.03	-54.55	3.92	13.44	V

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

SA n78 UL_MIMO / NR 100MHz / QPSK / ANT8 +ANT5									
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	6900	-53.63	-13	-40.63	-63.84	3.03	13.24	H	6900
	10368	-51.60	-13	-38.60	-61.05	3.56	13.01	H	10368
	13824	-46.02	-13	-33.02	-55.54	3.92	13.44	H	13824
	6900	-56.84	-13	-43.84	-67.05	3.03	13.24	V	6900
	10368	-51.28	-13	-38.28	-60.73	3.56	13.01	V	10368
	13824	-46.02	-13	-33.02	-55.54	3.92	13.44	V	13824

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