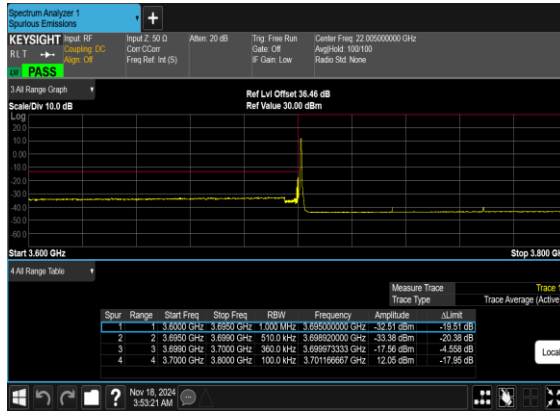




N78(70M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



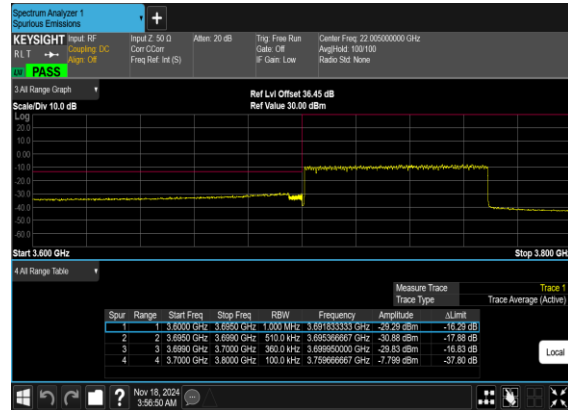
N78(70M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH



N78(70M)_CP-
OFDM_QPSK_Outer_Full_Low_CH

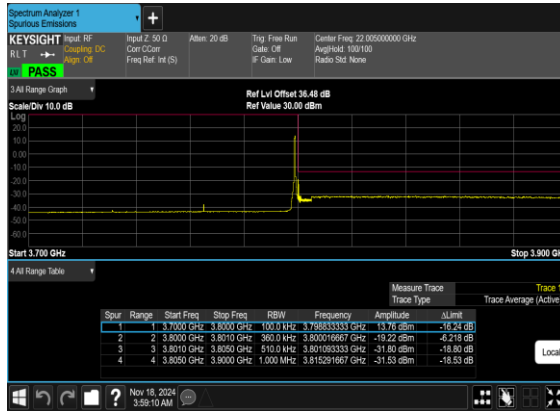


N78(70M)_CP-OFDM_16
QAM_Outer_Full_Low_CH

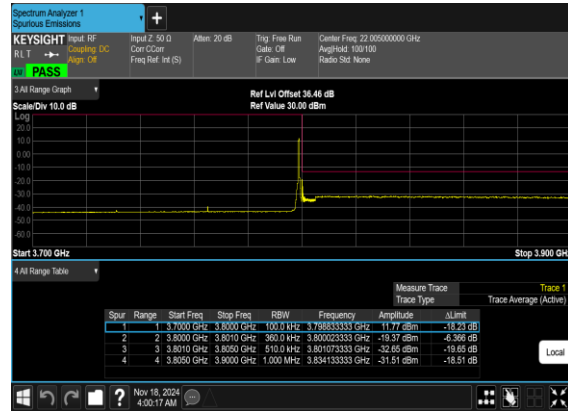




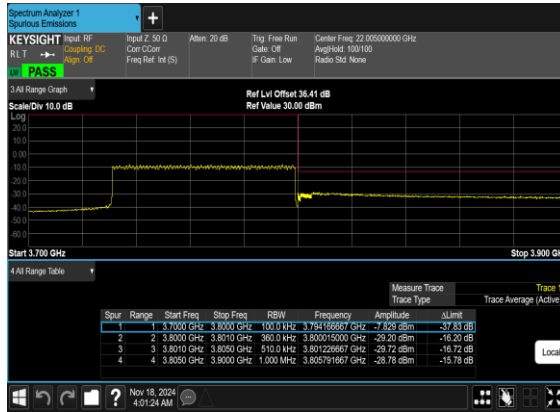
N78(70M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



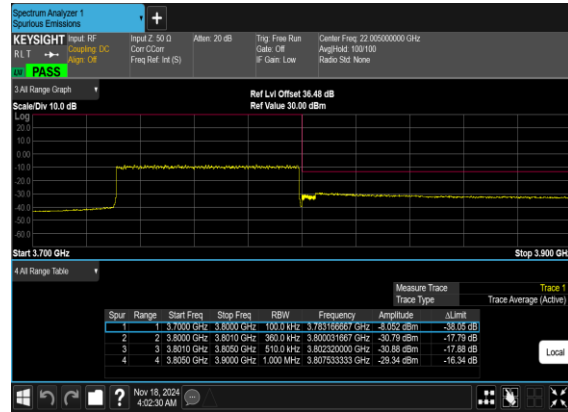
N78(70M)_CP-OFDM_16
QAM_Edge_1RB_Right_High_CH



N78(70M)_CP-
OFDM_QPSK_Outer_Full_High_CH

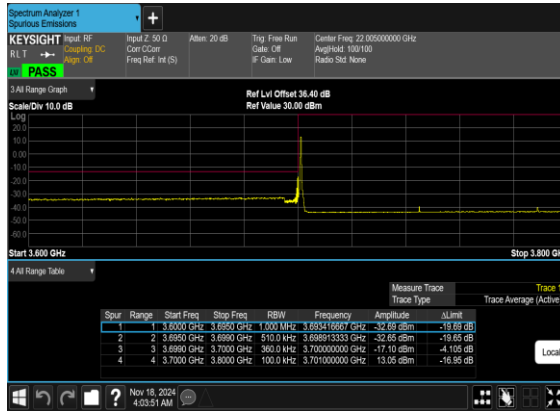


N78(70M)_CP-OFDM_16
QAM_Outer_Full_High_CH





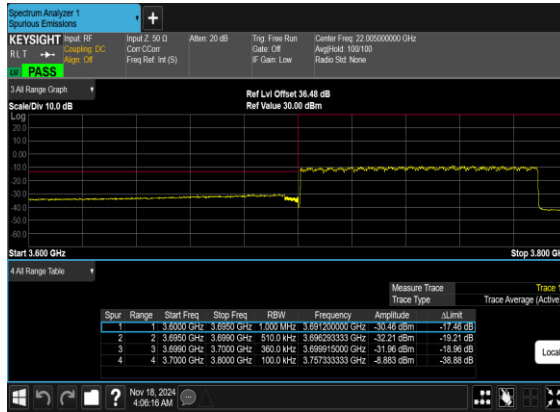
N78(90M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



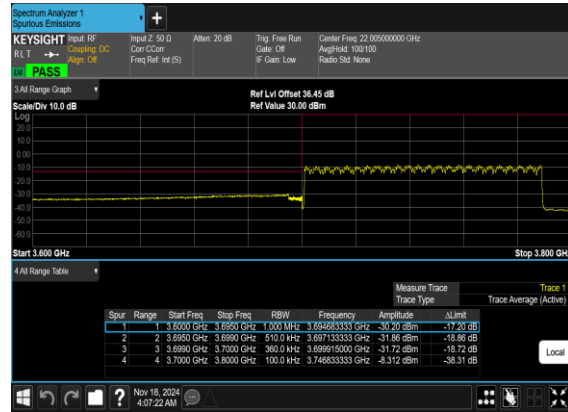
N78(90M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH



N78(90M)_CP-
OFDM_QPSK_Outer_Full_Low_CH

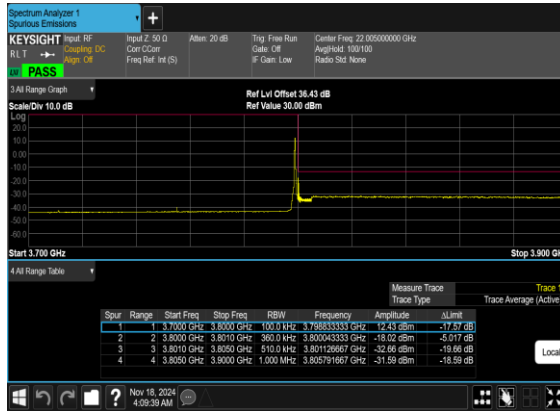


N78(90M)_CP-OFDM_16
QAM_Outer_Full_Low_CH

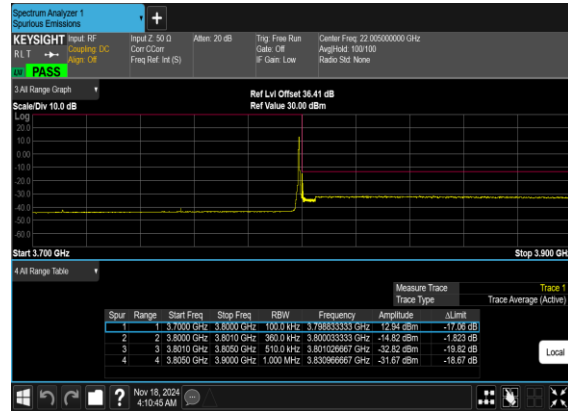




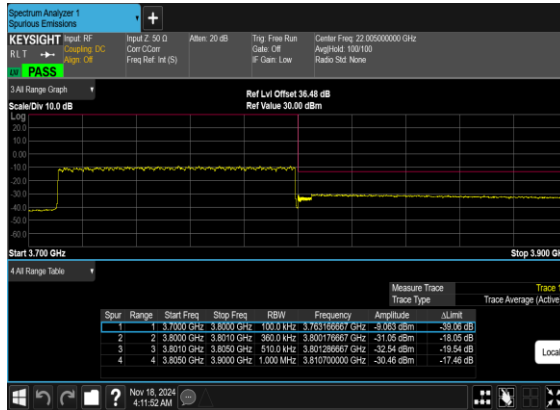
N78(90M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



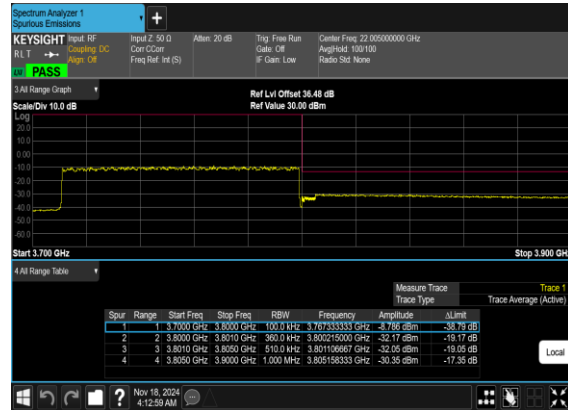
N78(90M)_CP-OFDM_16
QAM_Edge_1RB_Right_High_CH



N78(90M)_CP-
OFDM_QPSK_Outer_Full_High_CH



N78(90M)_CP-OFDM_16
QAM_Outer_Full_High_CH





Software Version: 23.06.1602

FR1 N78 MIMO-Ant7

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	0.0025	PASS	NV
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	0.0034	PASS	LV
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	-0.0058	PASS	HV
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	-0.0062	PASS	-30℃
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	0.0071	PASS	-20℃
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	-0.0041	PASS	-10℃
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	0.0067	PASS	0℃
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	-0.0025	PASS	10℃
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	-0.0033	PASS	20℃
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	0.0052	PASS	30℃
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	0.0024	PASS	40℃
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	-0.0044	PASS	50℃

**Peak to Average Ratio**

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	6.85	13	PASS
78	30	20	650000	3750.0	CP-OFDM QPSK	1@0	7.62	13	PASS
78	30	20	650000	3750.0	CP-OFDM 16 QAM	51@0	7.1	13	PASS
78	30	20	650000	3750.0	CP-OFDM 16 QAM	1@0	8.01	13	PASS



N78(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N78(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N78(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N78(20M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH

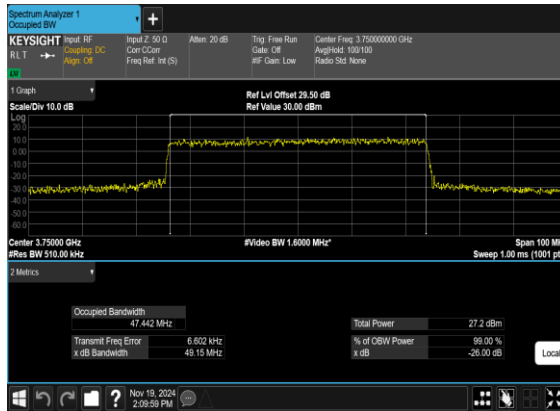


**Occupied Bandwidth**

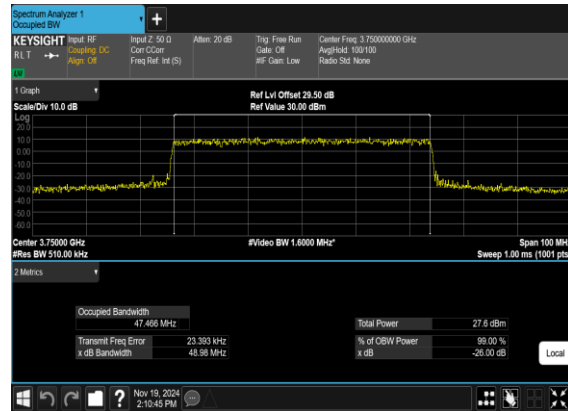
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
78	30	50	650000	3750.0	CP-OFDM QPSK	133@0	47.442	49.15
78	30	50	650000	3750.0	CP-OFDM 16 QAM	133@0	47.466	48.98
78	30	50	650000	3750.0	CP-OFDM 64 QAM	133@0	47.479	49.08
78	30	50	650000	3750.0	CP-OFDM 256 QAM	133@0	47.506	48.96
78	30	70	650000	3750.0	CP-OFDM QPSK	189@0	67.383	69.67
78	30	70	650000	3750.0	CP-OFDM 16 QAM	189@0	67.583	69.77
78	30	70	650000	3750.0	CP-OFDM 64 QAM	189@0	67.511	69.69
78	30	70	650000	3750.0	CP-OFDM 256 QAM	189@0	67.509	69.62
78	30	90	650000	3750.0	CP-OFDM QPSK	245@0	87.605	90.21
78	30	90	650000	3750.0	CP-OFDM 16 QAM	245@0	87.377	90.37
78	30	90	650000	3750.0	CP-OFDM 64 QAM	245@0	87.233	90.25
78	30	90	650000	3750.0	CP-OFDM 256 QAM	245@0	87.548	90.09



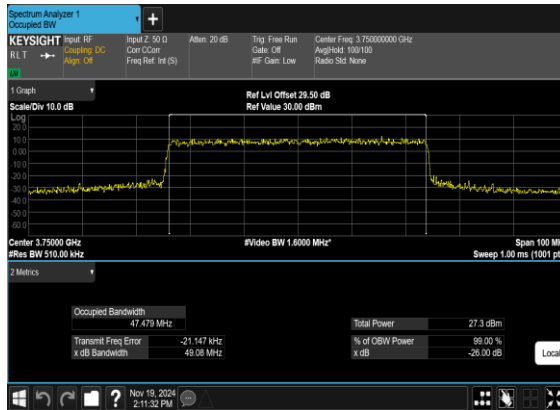
N78(50M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



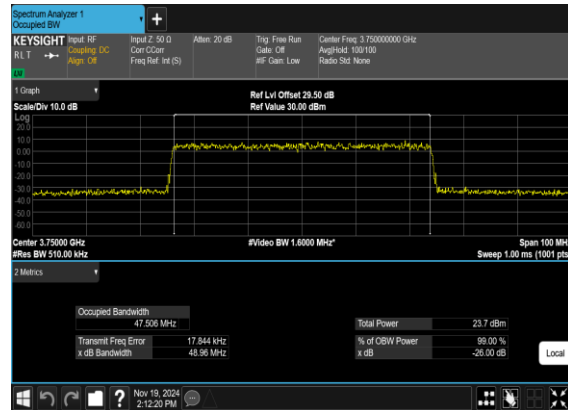
N78(50M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N78(50M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

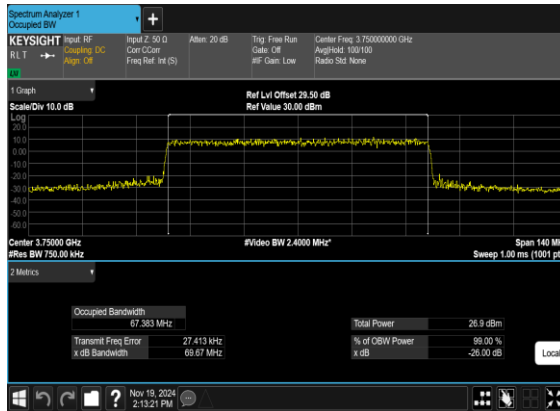


N78(50M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

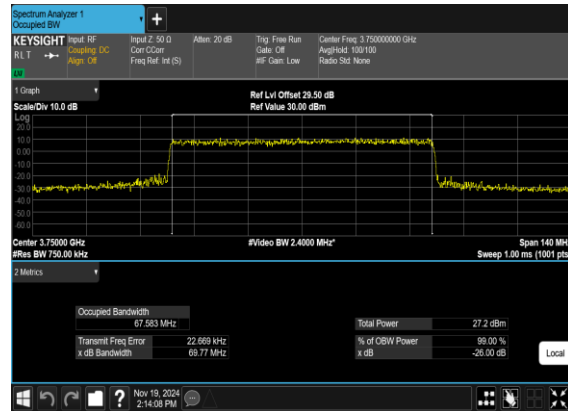




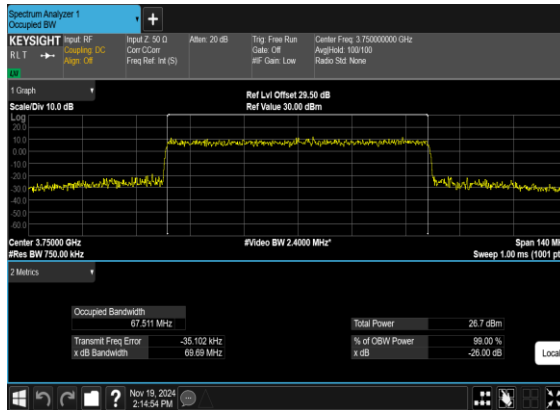
N78(70M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



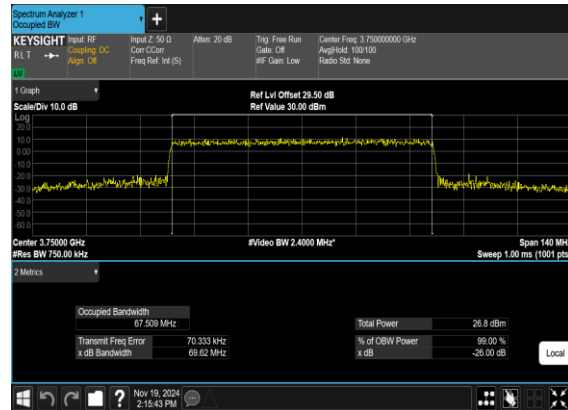
N78(70M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N78(70M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N78(70M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



**Conducted Spurious Emissions**

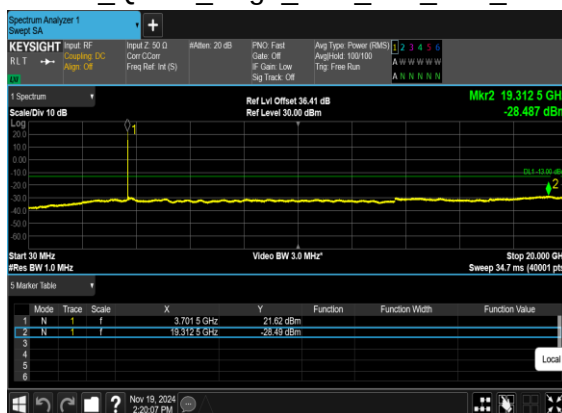
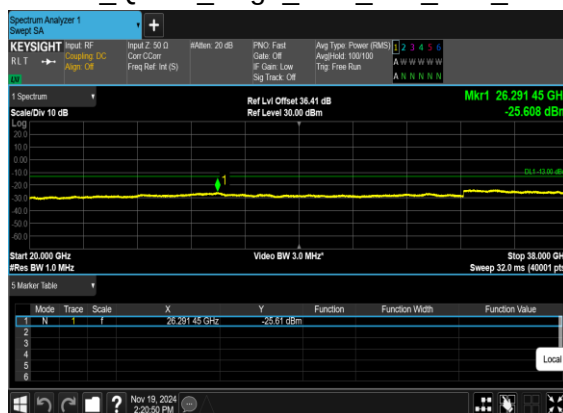
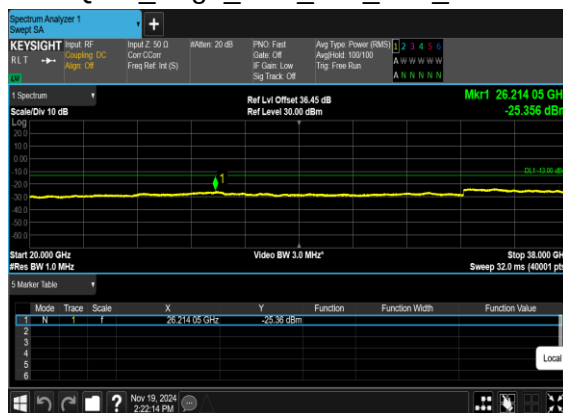
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	---
78	30	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	PASS
78	30	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	PASS
78	30	50	648334	3725.01	CP-OFDM 16 QAM	1@0	see graph	---
78	30	50	648334	3725.01	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	50	648334	3725.01	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	50	650000	3750.0	CP-OFDM QPSK	1@0	see graph	---
78	30	50	650000	3750.0	CP-OFDM QPSK	1@0	see graph	PASS
78	30	50	650000	3750.0	CP-OFDM QPSK	1@0	see graph	PASS
78	30	50	650000	3750.0	CP-OFDM 16 QAM	1@0	see graph	---
78	30	50	650000	3750.0	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	50	650000	3750.0	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	50	651666	3774.99	CP-OFDM QPSK	1@0	see graph	---
78	30	50	651666	3774.99	CP-OFDM QPSK	1@0	see graph	PASS
78	30	50	651666	3774.99	CP-OFDM QPSK	1@0	see graph	PASS
78	30	50	651666	3774.99	CP-OFDM 16 QAM	1@0	see graph	---
78	30	50	651666	3774.99	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	50	651666	3774.99	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	70	649000	3735.0	CP-OFDM QPSK	1@0	see graph	---
78	30	70	649000	3735.0	CP-OFDM QPSK	1@0	see graph	PASS
78	30	70	649000	3735.0	CP-OFDM QPSK	1@0	see graph	PASS



78	30	70	649000	3735.0	CP-OFDM 16 QAM	1@0	see graph	---
78	30	70	649000	3735.0	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	70	649000	3735.0	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	70	650000	3750.0	CP-OFDM QPSK	1@0	see graph	---
78	30	70	650000	3750.0	CP-OFDM QPSK	1@0	see graph	PASS
78	30	70	650000	3750.0	CP-OFDM QPSK	1@0	see graph	PASS
78	30	70	650000	3750.0	CP-OFDM 16 QAM	1@0	see graph	---
78	30	70	650000	3750.0	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	70	650000	3750.0	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	70	651000	3765.0	CP-OFDM QPSK	1@0	see graph	---
78	30	70	651000	3765.0	CP-OFDM QPSK	1@0	see graph	PASS
78	30	70	651000	3765.0	CP-OFDM QPSK	1@0	see graph	PASS
78	30	70	651000	3765.0	CP-OFDM 16 QAM	1@0	see graph	---
78	30	70	651000	3765.0	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	70	651000	3765.0	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	90	649668	3745.02	CP-OFDM QPSK	1@0	see graph	---
78	30	90	649668	3745.02	CP-OFDM QPSK	1@0	see graph	PASS
78	30	90	649668	3745.02	CP-OFDM QPSK	1@0	see graph	PASS
78	30	90	649668	3745.02	CP-OFDM 16 QAM	1@0	see graph	---
78	30	90	649668	3745.02	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	90	649668	3745.02	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	90	650000	3750.0	CP-OFDM QPSK	1@0	see graph	---

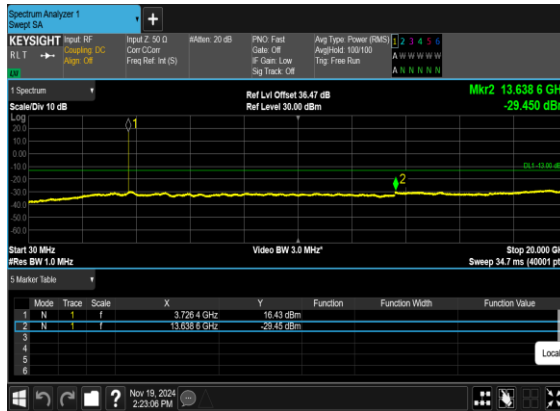


78	30	90	650000	3750.0	CP-OFDM QPSK	1@0	see graph	PASS
78	30	90	650000	3750.0	CP-OFDM QPSK	1@0	see graph	PASS
78	30	90	650000	3750.0	CP-OFDM 16 QAM	1@0	see graph	---
78	30	90	650000	3750.0	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	90	650000	3750.0	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	90	650332	3754.98	CP-OFDM QPSK	1@0	see graph	---
78	30	90	650332	3754.98	CP-OFDM QPSK	1@0	see graph	PASS
78	30	90	650332	3754.98	CP-OFDM QPSK	1@0	see graph	PASS
78	30	90	650332	3754.98	CP-OFDM 16 QAM	1@0	see graph	---
78	30	90	650332	3754.98	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	90	650332	3754.98	CP-OFDM 16 QAM	1@0	see graph	PASS

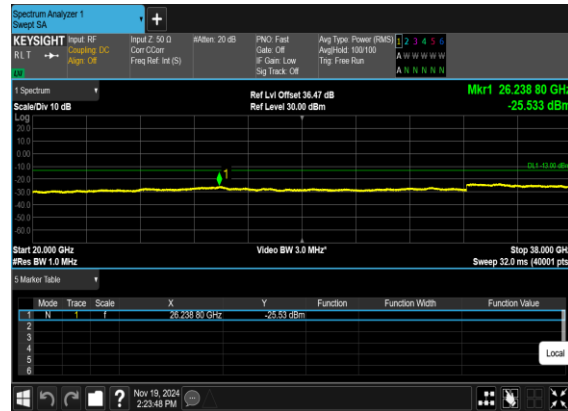
N78(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CHN78(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CHN78(50M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CHN78(50M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH



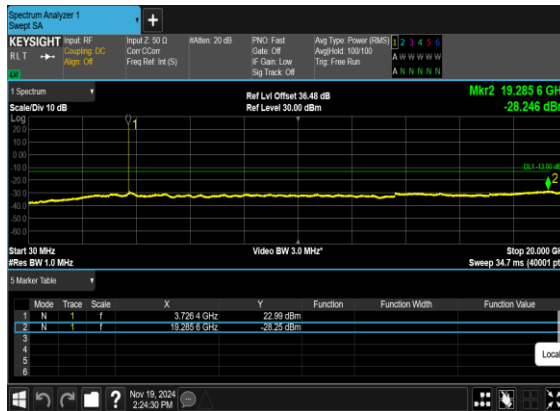
N78(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



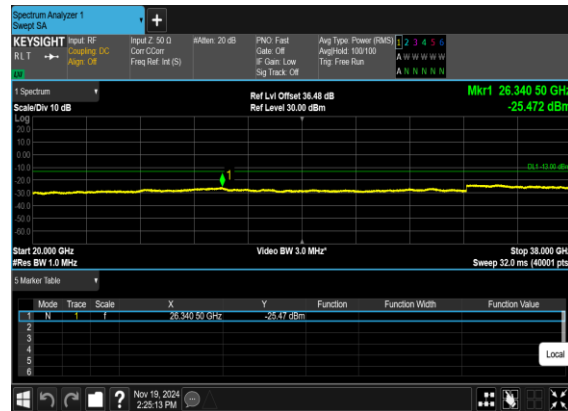
N78(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N78(50M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH

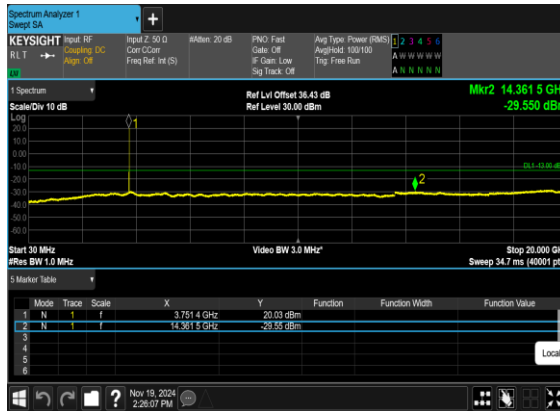


N78(50M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH

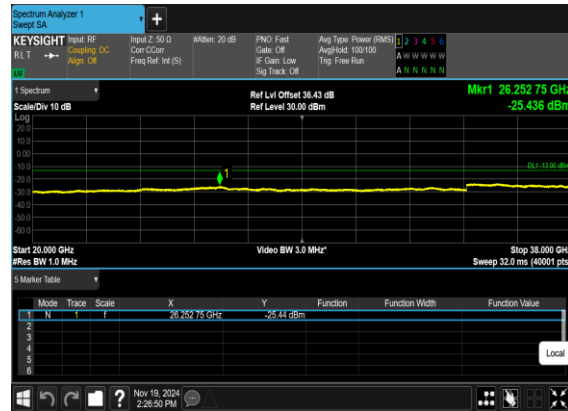




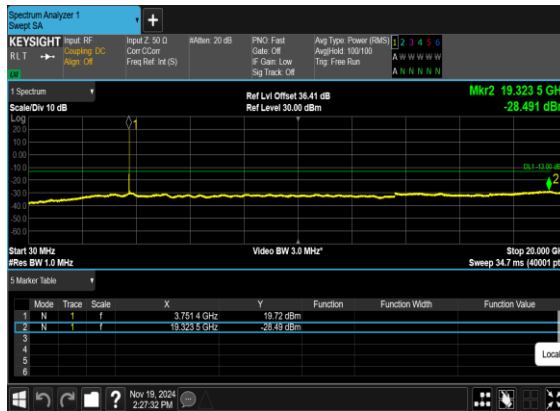
N78(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



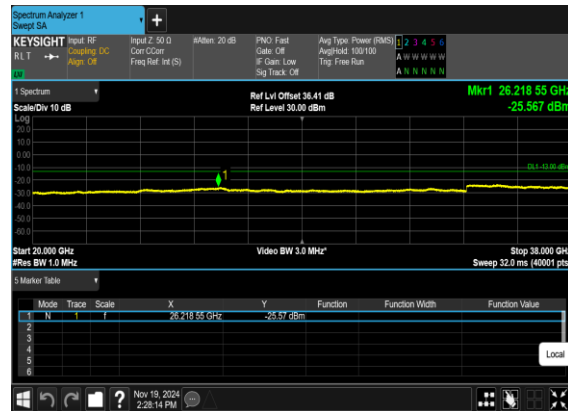
N78(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N78(50M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH

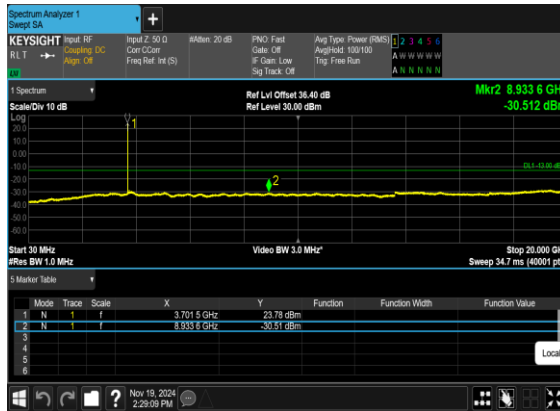


N78(50M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH

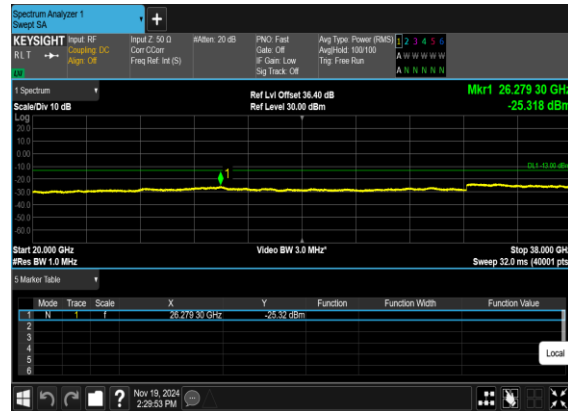




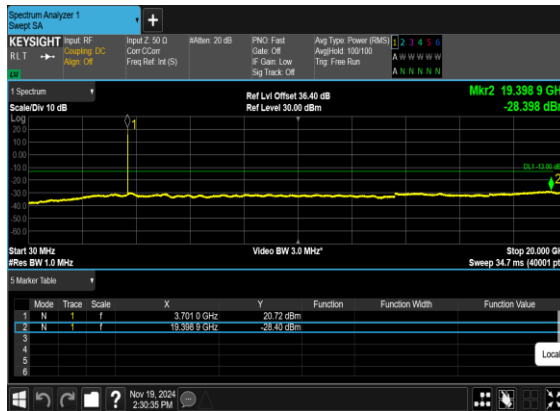
N78(70M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



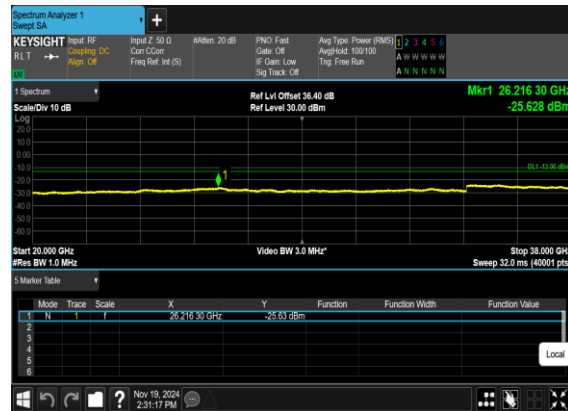
N78(70M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(70M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH

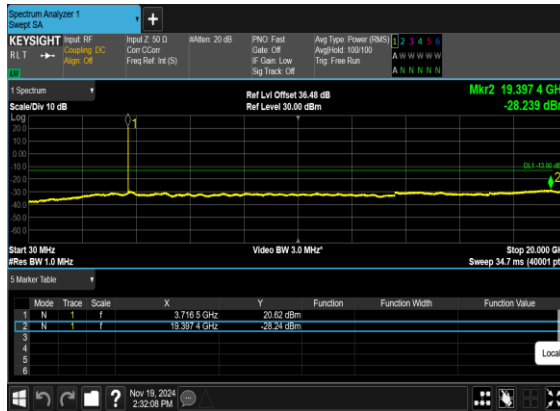


N78(70M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH

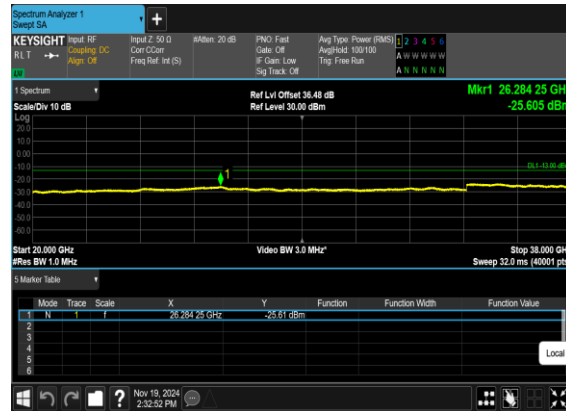




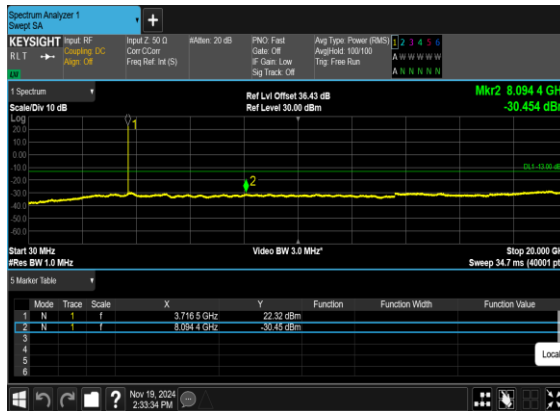
N78(70M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



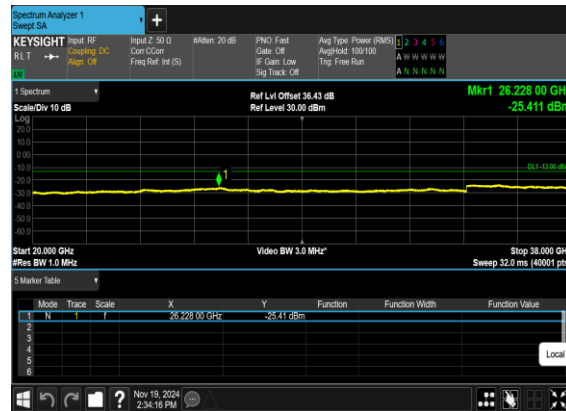
N78(70M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N78(70M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH

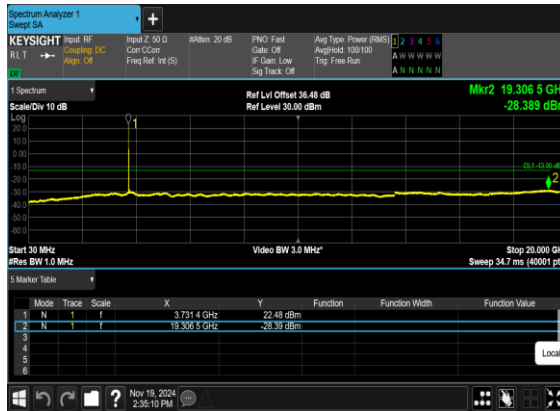


N78(70M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH

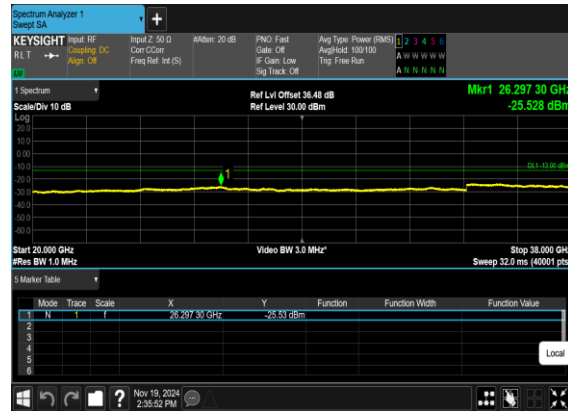




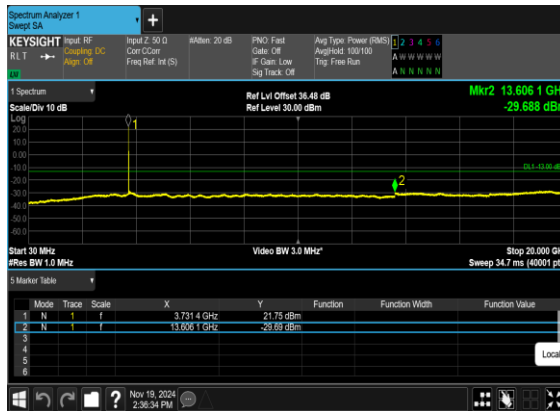
N78(70M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



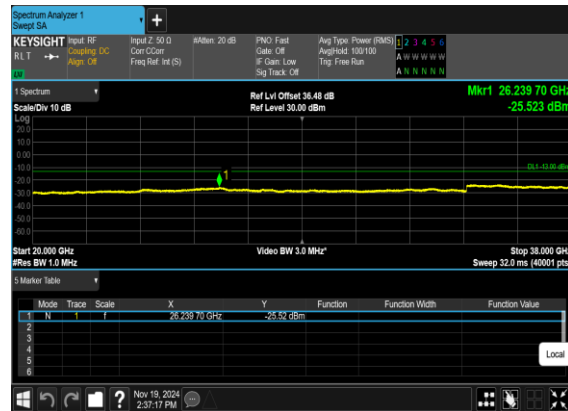
N78(70M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N78(70M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH

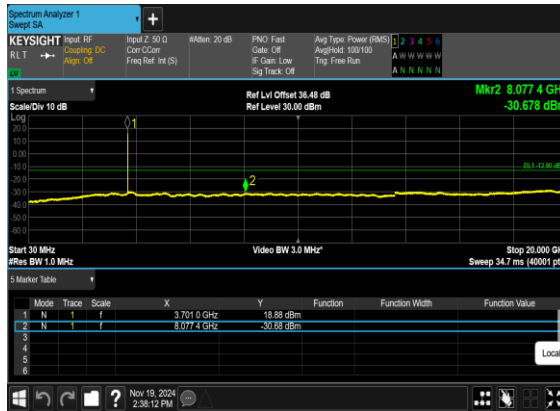


N78(70M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH

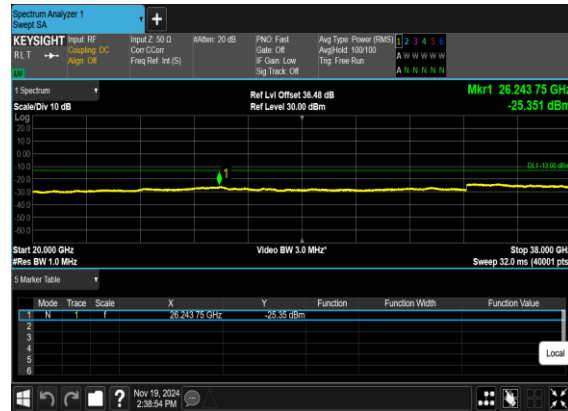




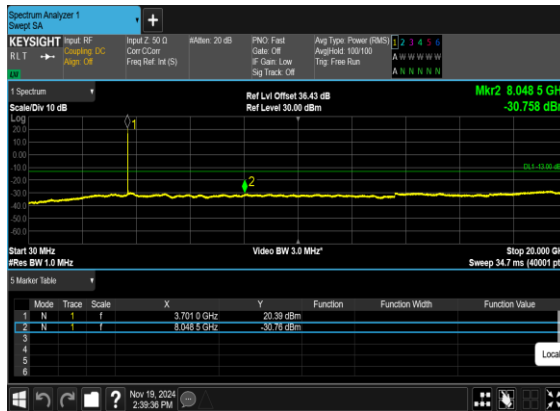
N78(90M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



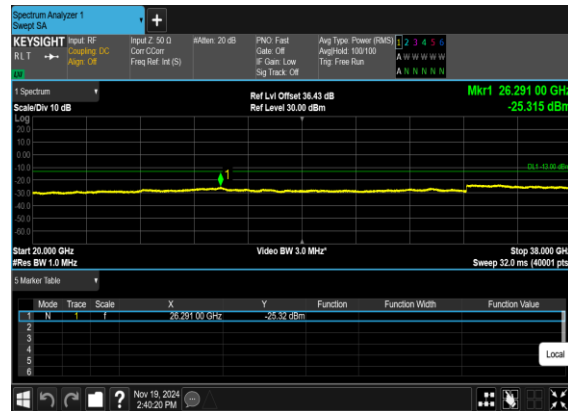
N78(90M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH

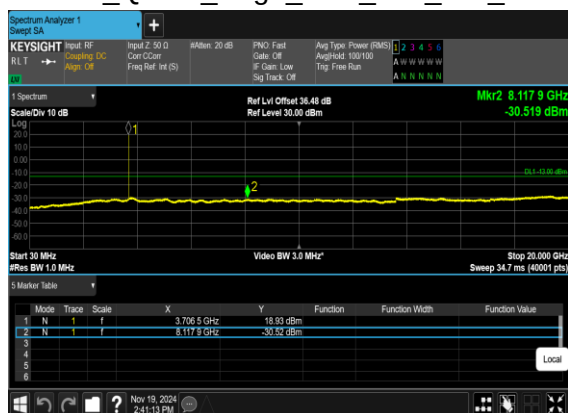
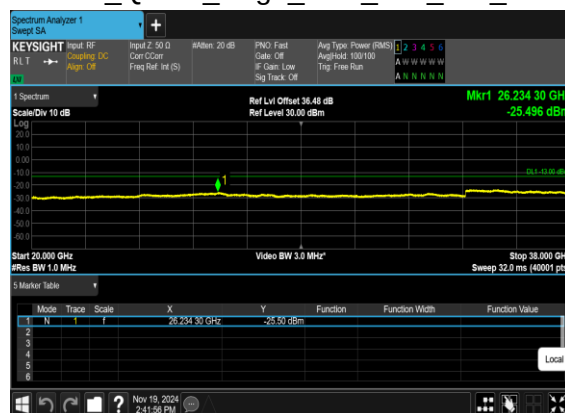
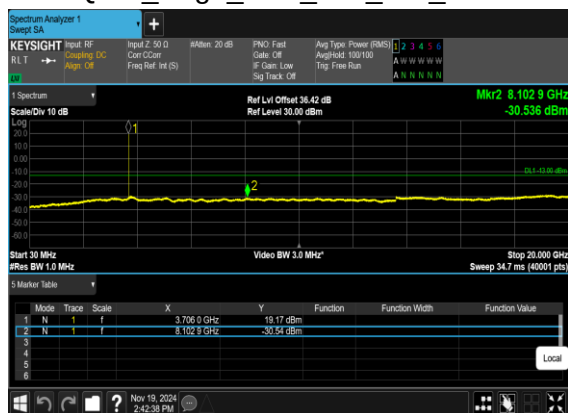
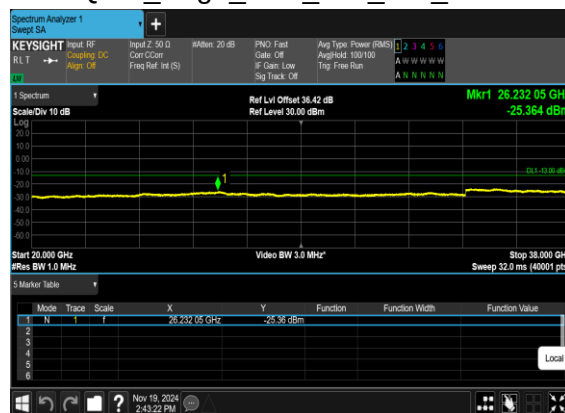


N78(90M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH



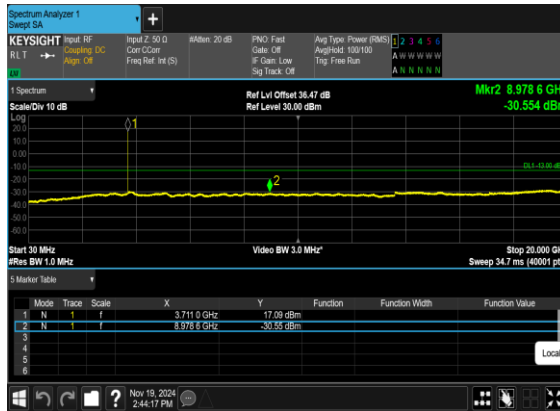
N78(90M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH



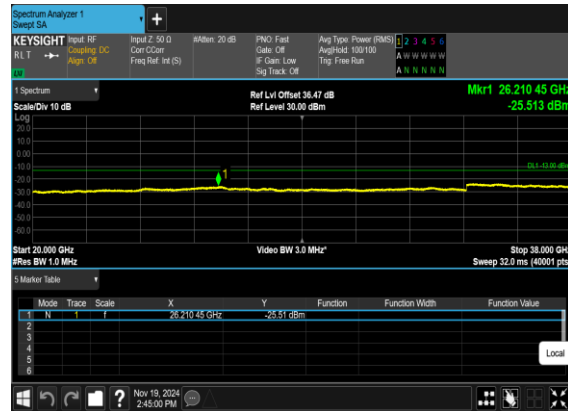
N78(90M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CHN78(90M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CHN78(90M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CHN78(90M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH



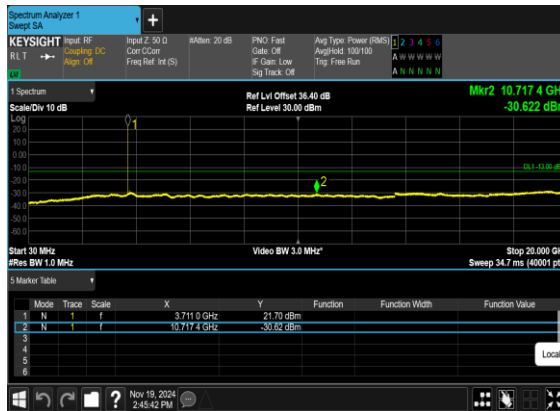
N78(90M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



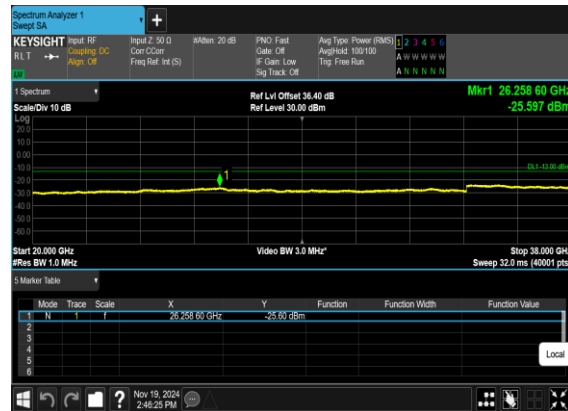
N78(90M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N78(90M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH



N78(90M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH

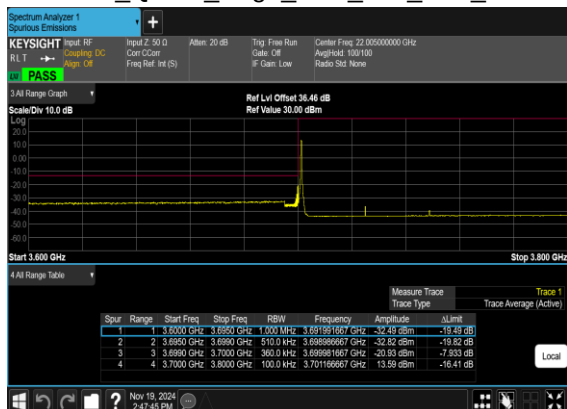


**Conducted Band Edge**

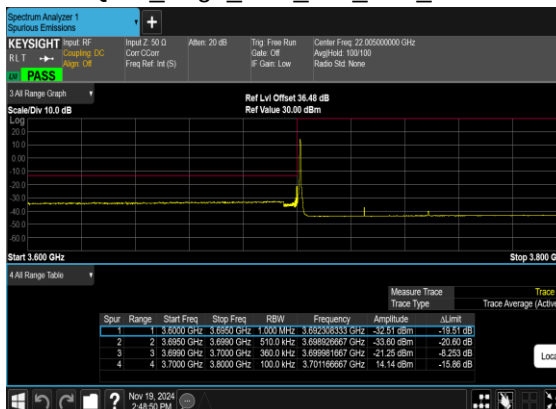
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	PASS
78	30	50	648334	3725.01	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	50	648334	3725.01	CP-OFDM QPSK	133@0	see graph	PASS
78	30	50	648334	3725.01	CP-OFDM 16 QAM	133@0	see graph	PASS
78	30	50	651666	3774.99	CP-OFDM QPSK	1@132	see graph	PASS
78	30	50	651666	3774.99	CP-OFDM 16 QAM	1@132	see graph	PASS
78	30	50	651666	3774.99	CP-OFDM QPSK	133@0	see graph	PASS
78	30	50	651666	3774.99	CP-OFDM 16 QAM	133@0	see graph	PASS
78	30	70	649000	3735.0	CP-OFDM QPSK	1@0	see graph	PASS
78	30	70	649000	3735.0	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	70	649000	3735.0	CP-OFDM QPSK	189@0	see graph	PASS
78	30	70	649000	3735.0	CP-OFDM 16 QAM	189@0	see graph	PASS
78	30	70	651000	3765.0	CP-OFDM QPSK	1@188	see graph	PASS
78	30	70	651000	3765.0	CP-OFDM 16 QAM	1@188	see graph	PASS
78	30	70	651000	3765.0	CP-OFDM QPSK	189@0	see graph	PASS
78	30	70	651000	3765.0	CP-OFDM 16 QAM	189@0	see graph	PASS
78	30	90	649668	3745.02	CP-OFDM QPSK	1@0	see graph	PASS
78	30	90	649668	3745.02	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	90	649668	3745.02	CP-OFDM QPSK	245@0	see graph	PASS
78	30	90	649668	3745.02	CP-OFDM 16 QAM	245@0	see graph	PASS
78	30	90	650332	3754.98	CP-OFDM QPSK	1@244	see graph	PASS
78	30	90	650332	3754.98	CP-OFDM 16 QAM	1@244	see graph	PASS
78	30	90	650332	3754.98	CP-OFDM QPSK	245@0	see graph	PASS
78	30	90	650332	3754.98	CP-OFDM 16 QAM	245@0	see graph	PASS



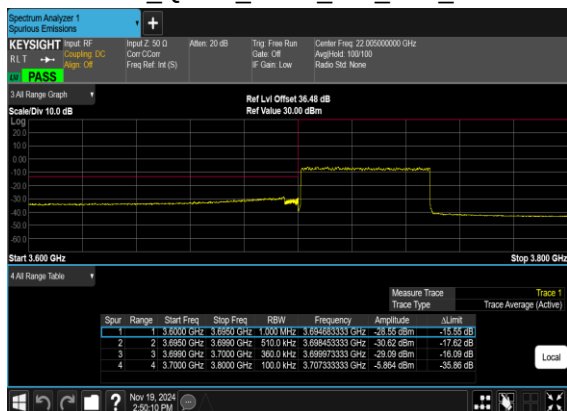
N78(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



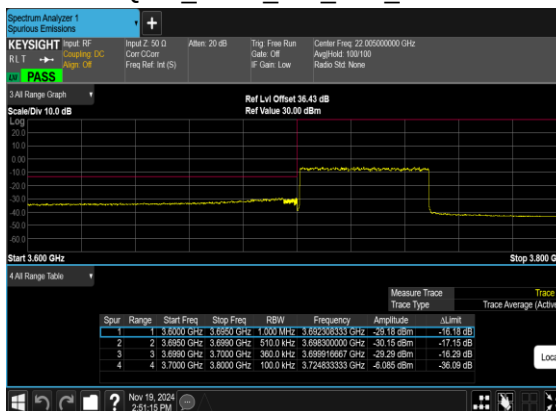
N78(50M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH



N78(50M)_CP-
OFDM_QPSK_Outer_Full_Low_CH

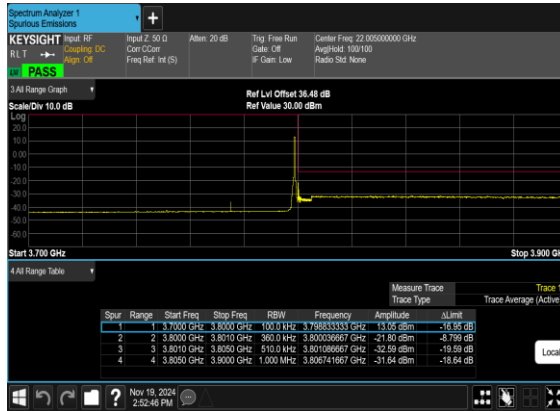


N78(50M)_CP-OFDM_16
QAM_Outer_Full_Low_CH

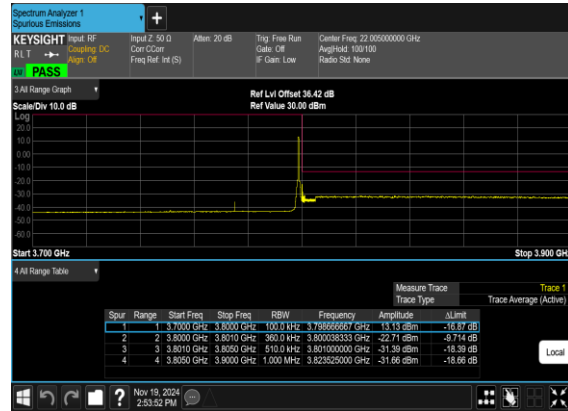




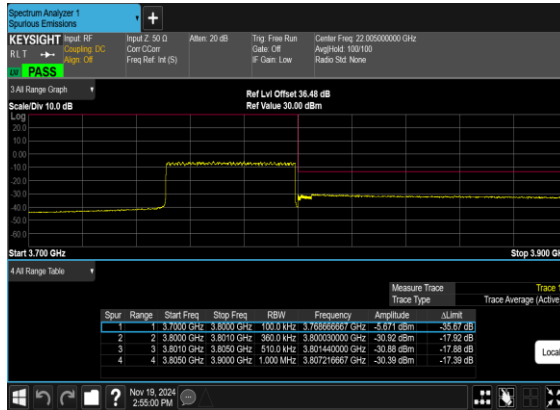
N78(50M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



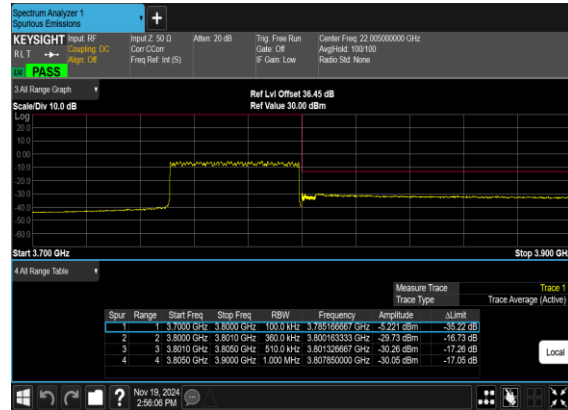
N78(50M)_CP-OFDM_16
QAM_Edge_1RB_Right_High_CH



N78(50M)_CP-
OFDM_QPSK_Outer_Full_High_CH

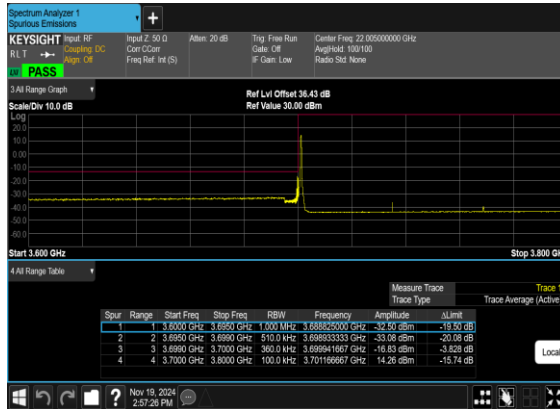


N78(50M)_CP-OFDM_16
QAM_Outer_Full_High_CH

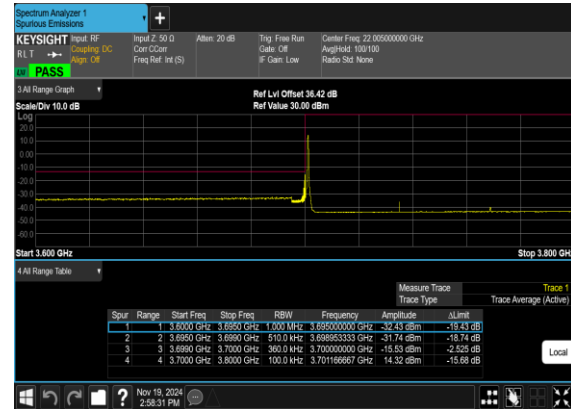




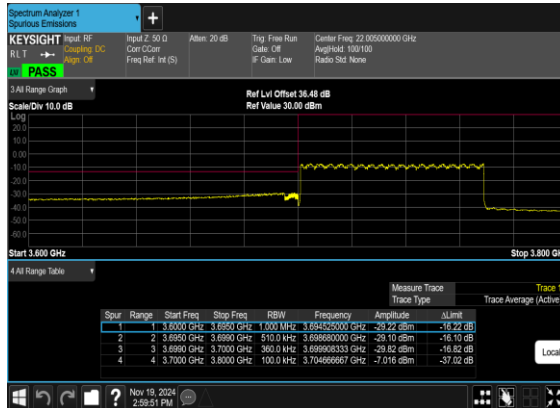
N78(70M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



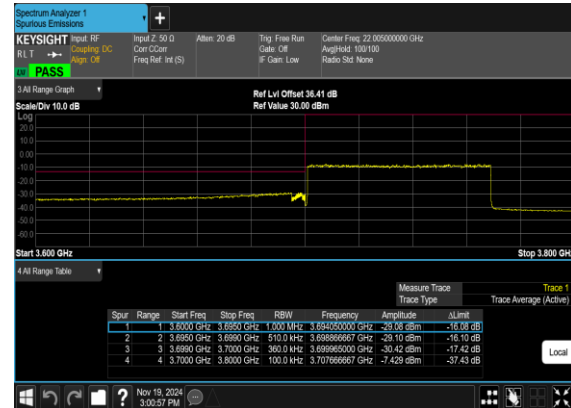
N78(70M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH



N78(70M)_CP-
OFDM_QPSK_Outer_Full_Low_CH

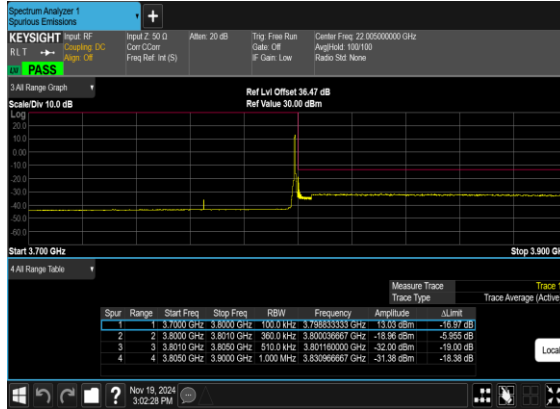


N78(70M)_CP-OFDM_16
QAM_Outer_Full_Low_CH

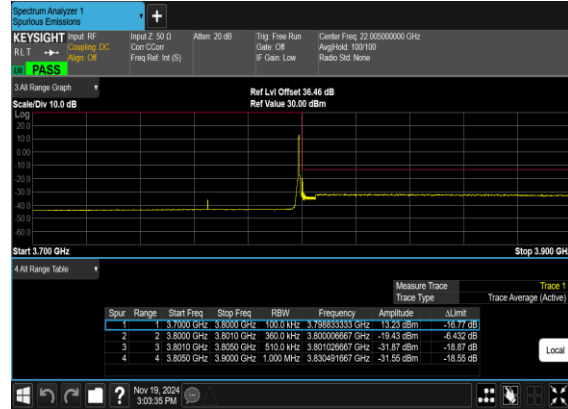




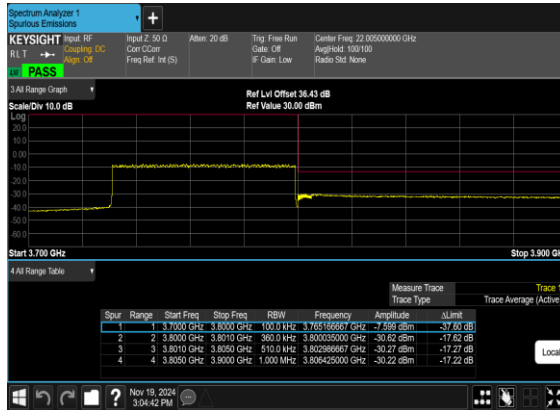
N78(70M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



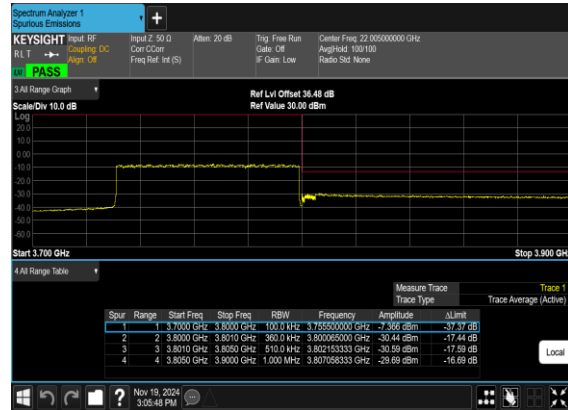
N78(70M)_CP-OFDM_16
QAM_Edge_1RB_Right_High_CH



N78(70M)_CP-
OFDM_QPSK_Outer_Full_High_CH

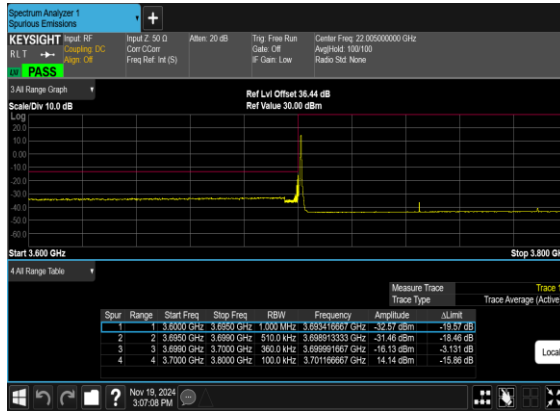


N78(70M)_CP-OFDM_16
QAM_Outer_Full_High_CH

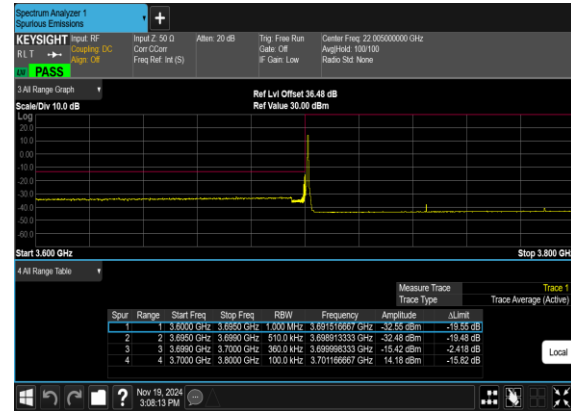




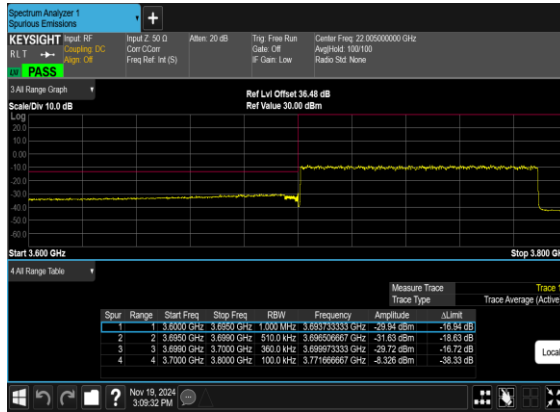
N78(90M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



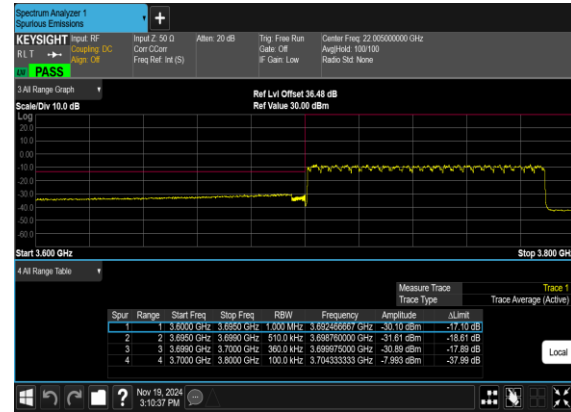
N78(90M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH



N78(90M)_CP-
OFDM_QPSK_Outer_Full_Low_CH

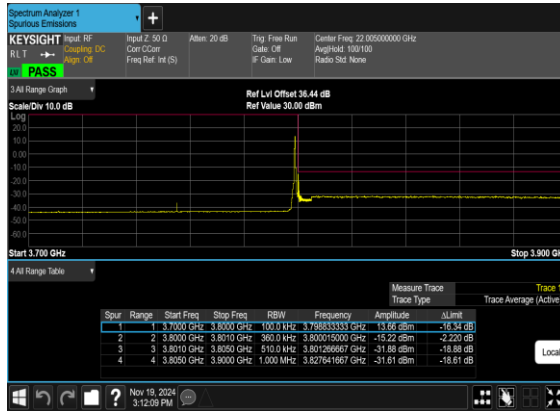


N78(90M)_CP-OFDM_16
QAM_Outer_Full_Low_CH

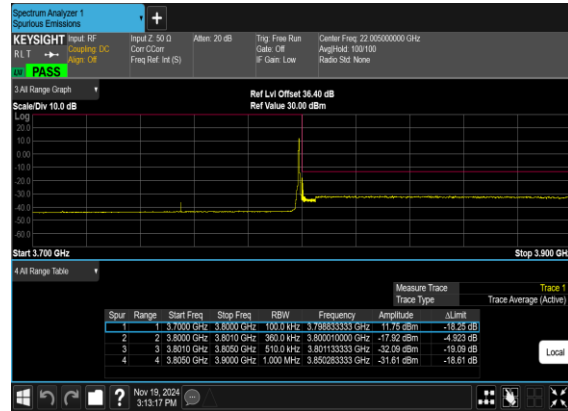




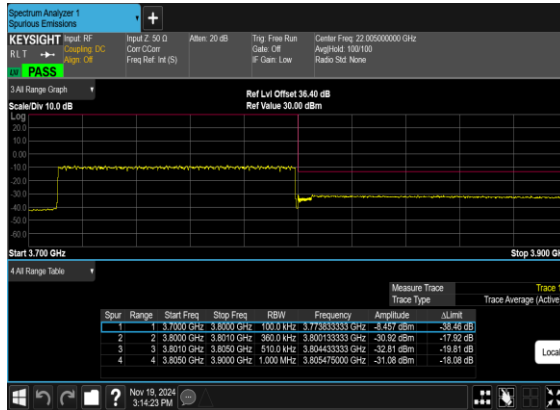
N78(90M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



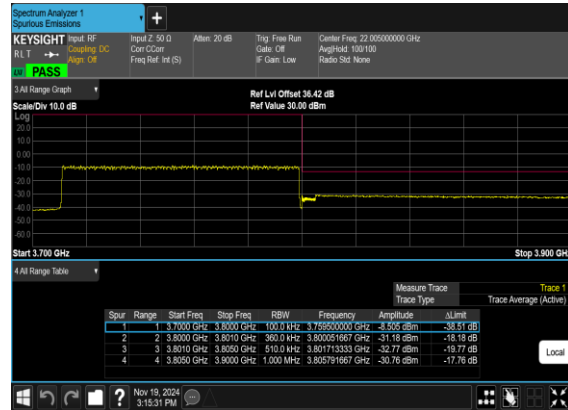
N78(90M)_CP-OFDM_16
QAM_Edge_1RB_Right_High_CH



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 :	Zhaohui Liang	Temperature :	22~25°C
		Relative Humidity :	48~52%

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

n77 SA / NR 100MHz / QPSK(ANT3)									
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)
Lowest	7402.40	-46.23	-13	-33.23	-54.07	-49.56	8.25	11.58	H
	11103.60	-47.06	-13	-34.06	-61.44	-48.61	10.45	12.00	H
	14804.80	-53.04	-13	-40.04	-69.04	-54.75	11.74	13.45	H
	7402.40	-47.08	-13	-34.08	-54.89	-50.41	8.25	11.58	V
	11103.60	-45.66	-13	-32.66	-61.97	-47.21	10.45	12.00	V
	14804.80	-54.08	-13	-41.08	-70.36	-55.79	11.74	13.45	V
Middle	7582.36	-49.96	-13	-36.96	-57.25	-53.26	8.30	11.60	H
	11373.54	-50.83	-13	-37.83	-65.45	-52.35	10.48	12.00	H
	15164.72	-46.72	-13	-33.72	-63.83	-48.42	11.80	13.50	H
	7582.36	-48.92	-13	-35.92	-56.21	-52.22	8.30	11.60	V
	11373.54	-50.70	-13	-37.70	-69.4	-52.22	10.48	12.00	V
	15164.72	-52.46	-13	-39.46	-69.56	-54.16	11.80	13.50	V
Highest	7762.40	-48.84	-13	-35.84	-55.84	-52.14	8.32	11.62	H
	11643.60	-39.69	-13	-26.69	-55.09	-41.37	10.52	12.20	H
	15524.80	-41.84	-13	-28.84	-60.42	-43.54	11.85	13.55	H
	7762.40	-47.32	-13	-34.32	-57.75	-50.62	8.32	11.62	V
	11643.60	-40.27	-13	-27.27	-58.52	-41.95	10.52	12.20	V
	15524.80	-47.73	-13	-34.73	-64.67	-49.43	11.85	13.55	V

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



EN-DC_2A_n77A / LTE 10MHz + NR 100MHz / QPSK (ANT2+3)									
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)
NR n77 Lowest	7402.40	-51.11	-13	-38.11	-58.95	-54.44	8.25	11.58	H
	11103.60	-46.13	-13	-33.13	-60.51	-47.68	10.45	12.00	H
	14804.80	-51.83	-13	-38.83	-67.83	-53.54	11.74	13.45	H
	7402.40	-48.28	-13	-35.28	-56.09	-51.61	8.25	11.58	V
	11103.60	-51.23	-13	-38.23	-67.54	-52.78	10.45	12.00	V
	14804.80	-53.44	-13	-40.44	-69.72	-55.15	11.74	13.45	V
LTE Band2 Lowest	3742.18	-44.49	-13	-31.49	-67.33	-51.24	5.85	12.60	H
	5613.27	-56.09	-13	-43.09	-80.22	-61.89	7.30	13.10	H
	7484.5	-59.24	-13	-46.24	-66.81	-62.39	8.35	11.50	H
	3742.18	-43.01	-13	-30.01	-67.86	-49.76	5.85	12.60	V
	5613.27	-56.36	-13	-43.36	-81.34	-62.16	7.30	13.10	V
	7484.5	-59.20	-13	-46.20	-66.75	-62.35	8.35	11.50	V
NR n77 Middle	7582.36	-49.50	-13	-36.50	-56.79	-52.80	8.30	11.60	H
	11373.54	-53.53	-13	-40.53	-68.15	-55.05	10.48	12.00	H
	15164.72	-45.59	-13	-32.59	-62.70	-47.29	11.80	13.50	H
	7582.36	-50.76	-13	-37.76	-58.05	-54.06	8.30	11.60	V
	11373.54	-50.12	-13	-37.12	-68.82	-51.64	10.48	12.00	V
	15164.72	-48.81	-13	-35.81	-65.91	-50.51	11.80	13.50	V
LTE Band2 Middle	3742.18	-55.58	-13	-42.58	-78.42	-62.33	5.85	12.60	H
	5613.27	-56.14	-13	-43.14	-80.27	-61.94	7.30	13.10	H
	7484.5	-59.24	-13	-46.24	-66.81	-62.39	8.35	11.50	H
	3742.18	-51.01	-13	-38.01	-75.86	-57.76	5.85	12.60	V
	5613.27	-53.61	-13	-40.61	-78.59	-59.41	7.30	13.10	V
	7484.5	-59.39	-13	-46.39	-66.94	-62.54	8.35	11.50	V
NR n77 Highest	7762.40	-48.33	-13	-35.33	-55.33	-51.63	8.32	11.62	H
	11643.60	-43.48	-13	-30.48	-58.88	-45.16	10.52	12.20	H
	15524.80	-46.02	-13	-33.02	-64.60	-47.72	11.85	13.55	H
	7762.40	-47.85	-13	-34.85	-58.28	-51.15	8.32	11.62	V
	11643.60	-44.81	-13	-31.81	-63.06	-46.49	10.52	12.20	V
	15524.80	-48.99	-13	-35.99	-65.93	-50.69	11.85	13.55	V
LTE Band2 Highest	3742.18	-56.78	-13	-43.78	-79.62	-63.53	5.85	12.60	H
	5613.27	-56.04	-13	-43.04	-80.17	-61.84	7.30	13.10	H
	7484.5	-59.13	-13	-46.13	-66.70	-62.28	8.35	11.50	H
	3742.18	-54.39	-13	-41.39	-79.24	-61.14	5.85	12.60	V
	5613.27	-54.05	-13	-41.05	-79.03	-59.85	7.30	13.10	V
	7484.5	-59.27	-13	-46.27	-66.82	-62.42	8.35	11.50	V

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



EN-DC_13A_n77A / LTE 10MHz + NR 100MHz / QPSK(ANT1+7) Other PA									
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)
NR n77 Lowest	7402.40	-56.39	-13	-43.39	-64.23	-59.72	8.25	11.58	H
	11103.60	-51.89	-13	-38.89	-66.27	-53.44	10.45	12.00	H
	14804.80	-53.96	-13	-40.96	-69.96	-55.67	11.74	13.45	H
	7402.40	-52.14	-13	-39.14	-59.95	-55.47	8.25	11.58	V
	11103.60	-42.40	-13	-29.40	-58.71	-43.95	10.45	12.00	V
	14804.80	-51.62	-13	-38.62	-67.90	-53.33	11.74	13.45	V
LTE Band13 Lowest	1555	-65.44	-13	-52.44	-76.69	-68.69	4.00	9.40	H
	2332.5	-53.37	-13	-40.37	-71.38	-56.94	4.88	10.60	H
	3110	-60.64	-13	-47.64	-80.60	-65.57	5.52	12.60	H
	1555	-64.03	-13	-51.03	-75.90	-67.28	4.00	9.40	V
	2332.5	-53.94	-13	-40.94	-72.23	-57.51	4.88	10.60	V
	3110	-58.99	-13	-45.99	-80.68	-63.92	5.52	12.60	V
NR n77 Middle	7582.36	-58.66	-13	-45.66	-65.95	-61.96	8.30	11.60	H
	11373.54	-54.19	-13	-41.19	-68.81	-55.71	10.48	12.00	H
	15164.72	-52.39	-13	-39.39	-69.50	-54.09	11.80	13.50	H
	7582.36	-58.65	-13	-45.65	-65.94	-61.95	8.30	11.60	V
	11373.54	-50.00	-13	-37.00	-68.7	-51.52	10.48	12.00	V
	15164.72	-51.97	-13	-38.97	-69.07	-53.67	11.80	13.50	V
LTE Band13 Middle	1555	-65.65	-13	-52.65	-76.90	-68.90	4.00	9.40	H
	2332.5	-51.83	-13	-38.83	-69.84	-55.40	4.88	10.60	H
	3110	-60.49	-13	-47.49	-80.45	-65.42	5.52	12.60	H
	1555	-65.17	-13	-52.17	-77.04	-68.42	4.00	9.40	V
	2332.5	-54.77	-13	-41.77	-73.06	-58.34	4.88	10.60	V
	3110	-58.75	-13	-45.75	-80.44	-63.68	5.52	12.60	V
NR n77 Highest	7762.40	-55.09	-13	-42.09	-62.09	-58.39	8.32	11.62	H
	11643.60	-53.27	-13	-40.27	-68.67	-54.95	10.52	12.20	H
	15524.80	-50.16	-13	-37.16	-68.74	-51.86	11.85	13.55	H
	7762.40	-54.28	-13	-41.28	-64.71	-57.58	8.32	11.62	V
	11643.60	-50.54	-13	-37.54	-68.79	-52.22	10.52	12.20	V
	15524.80	-52.18	-13	-39.18	-69.12	-53.88	11.85	13.55	V
LTE Band13 Highest	1555	-65.85	-13	-52.85	-77.10	-69.10	4.00	9.40	H
	2332.5	-50.80	-13	-37.80	-68.81	-54.37	4.88	10.60	H
	3110	-60.05	-13	-47.05	-80.01	-64.98	5.52	12.60	H
	1555	-64.44	-13	-51.44	-76.31	-67.69	4.00	9.40	V
	2332.5	-52.50	-13	-39.50	-70.79	-56.07	4.88	10.60	V
	3110	-58.72	-13	-45.72	-80.41	-63.65	5.52	12.60	V

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



n77 UL MIMO / NR 100+100MHz / QPSK(ANT3+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)
Lowest	7402.40	-49.75	-13	-36.75	-57.59	-53.08	8.25	11.58	H
	11103.60	-50.37	-13	-37.37	-64.75	-51.92	10.45	12.00	H
	14804.80	-53.44	-13	-40.44	-69.44	-55.15	11.74	13.45	H
	7402.40	-49.01	-13	-36.01	-56.82	-52.34	8.25	11.58	V
	11103.60	-50.51	-13	-37.51	-66.82	-52.06	10.45	12.00	V
	14804.80	-53.49	-13	-40.49	-69.77	-55.20	11.74	13.45	V
Middle	7582.36	-49.36	-13	-36.36	-56.65	-52.66	8.30	11.60	H
	11373.54	-50.21	-13	-37.21	-64.83	-51.73	10.48	12.00	H
	15164.72	-47.19	-13	-34.19	-64.30	-48.89	11.80	13.50	H
	7582.36	-49.53	-13	-36.53	-56.82	-52.83	8.30	11.60	V
	11373.54	-48.71	-13	-35.71	-67.41	-50.23	10.48	12.00	V
	15164.72	-50.30	-13	-37.30	-67.40	-52.00	11.80	13.50	V
Highest	7762.40	-50.22	-13	-37.22	-57.22	-53.52	8.32	11.62	H
	11643.60	-50.78	-13	-37.78	-66.18	-52.46	10.52	12.20	H
	15524.80	-45.27	-13	-32.27	-63.85	-46.97	11.85	13.55	H
	7762.40	-49.34	-13	-36.34	-59.77	-52.64	8.32	11.62	V
	11643.60	-50.56	-13	-37.56	-68.81	-52.24	10.52	12.20	V
	15524.80	-50.13	-13	-37.13	-67.07	-51.83	11.85	13.55	V

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