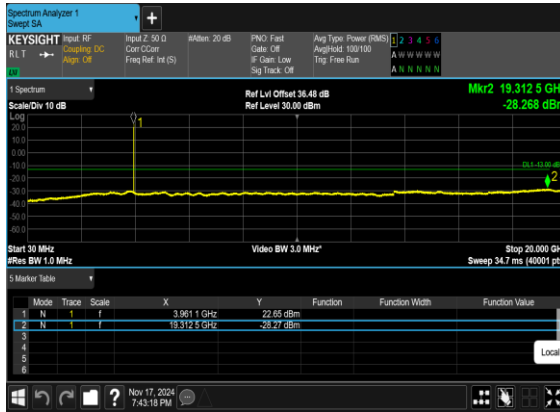
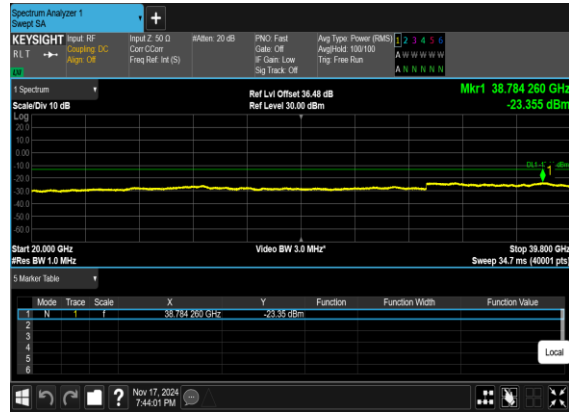




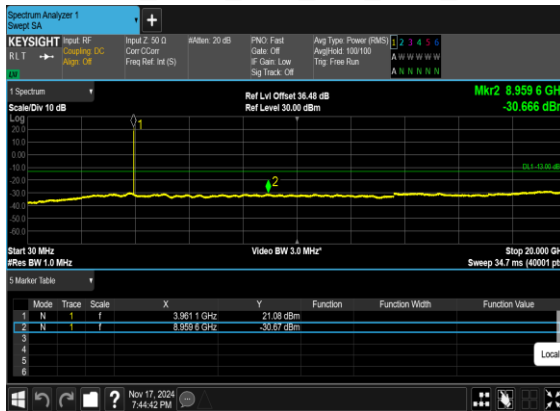
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



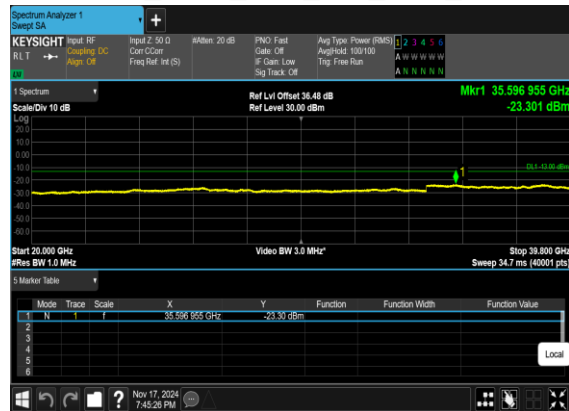
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N77(20M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH

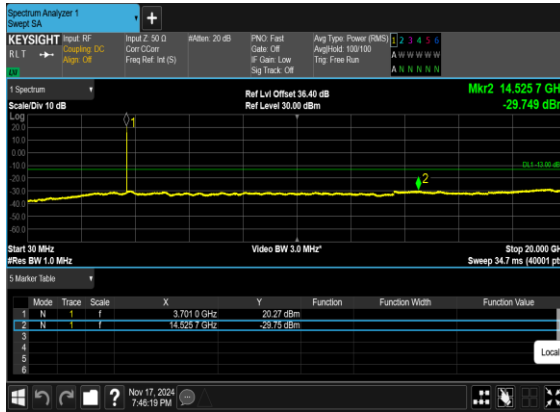


N77(20M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH

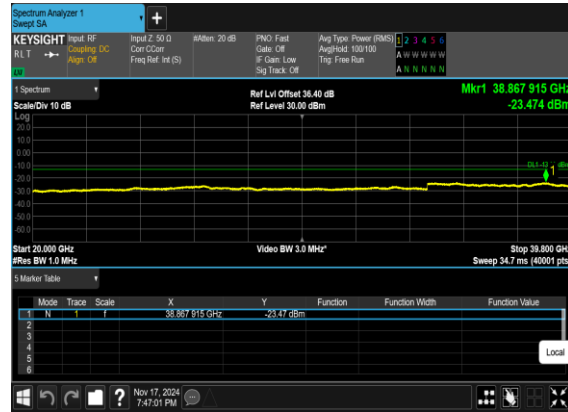




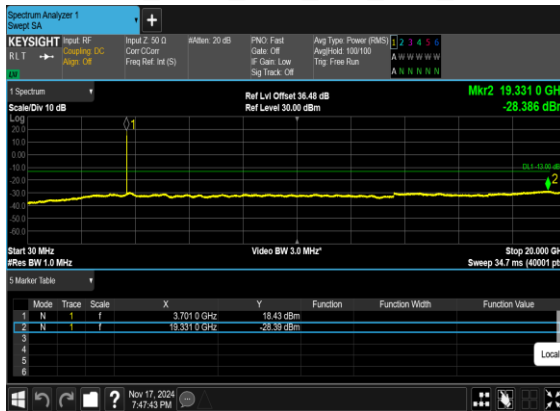
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



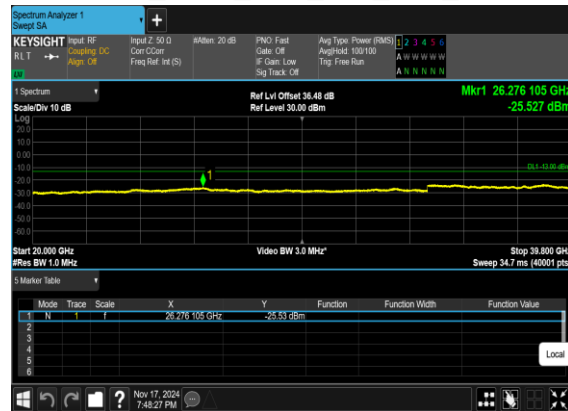
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(60M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH

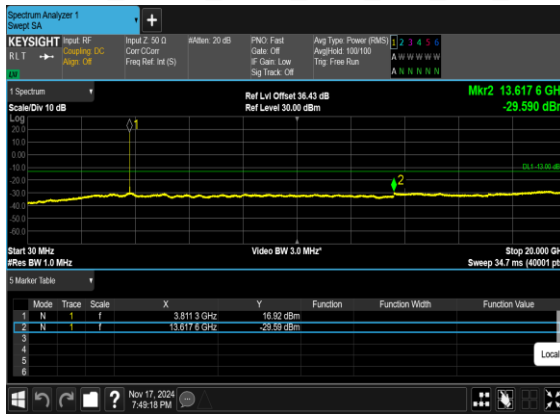


N77(60M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH

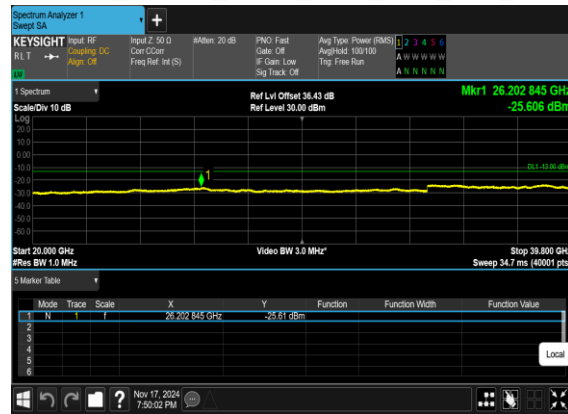




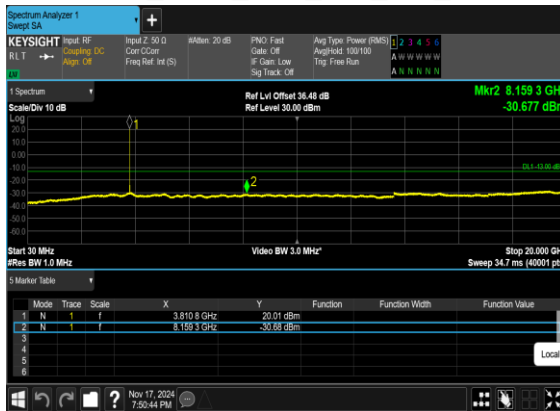
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



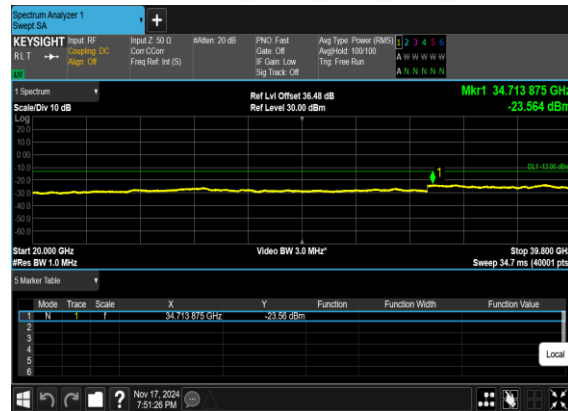
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(60M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH

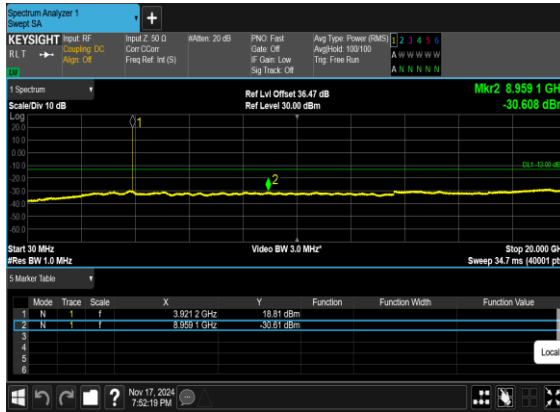


N77(60M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH

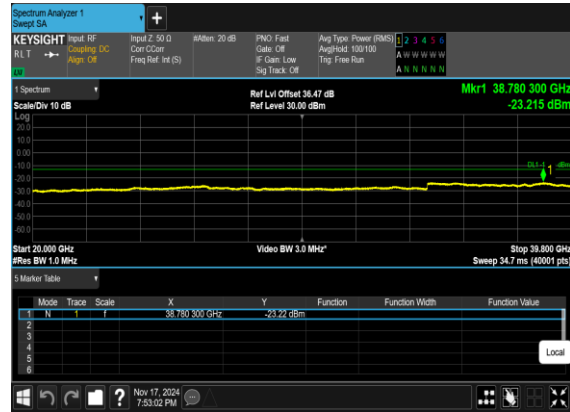




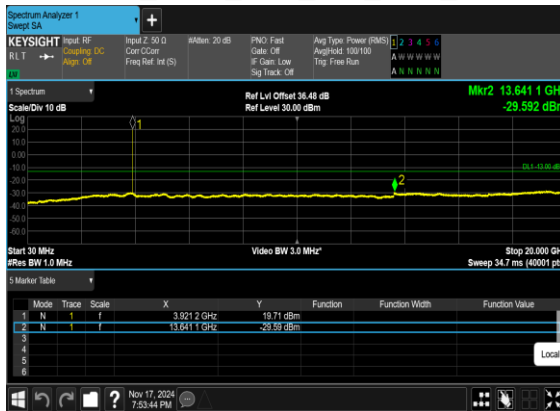
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



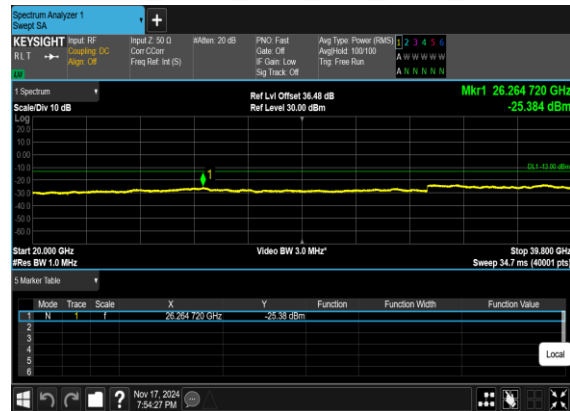
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N77(60M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH

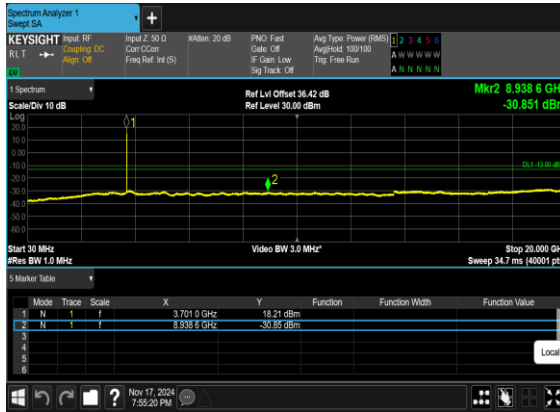


N77(60M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH

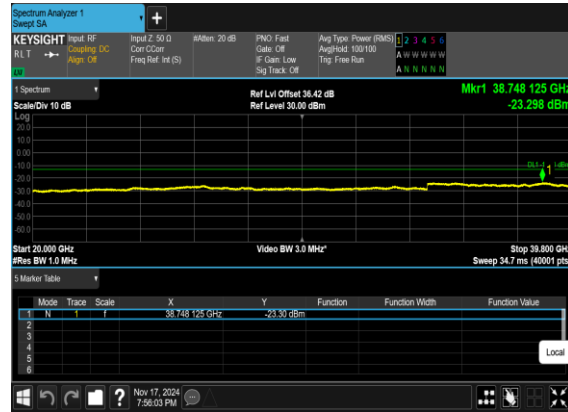




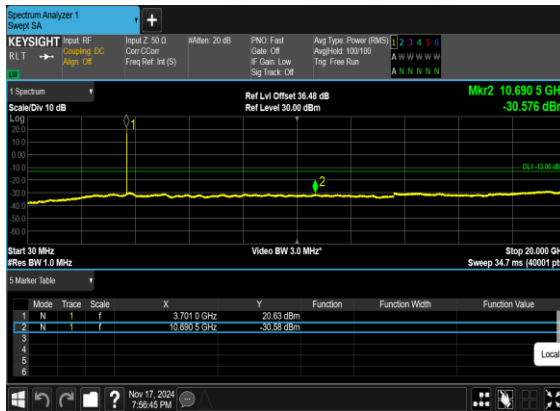
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



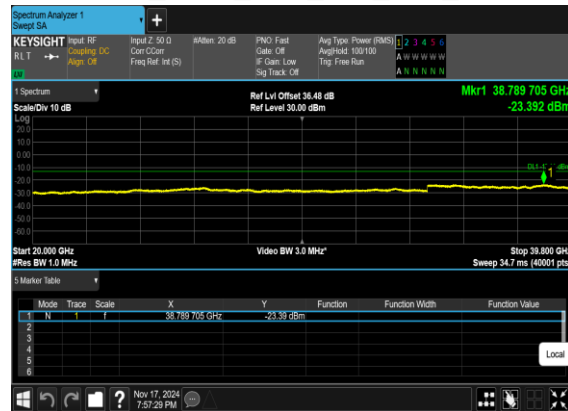
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(100M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH

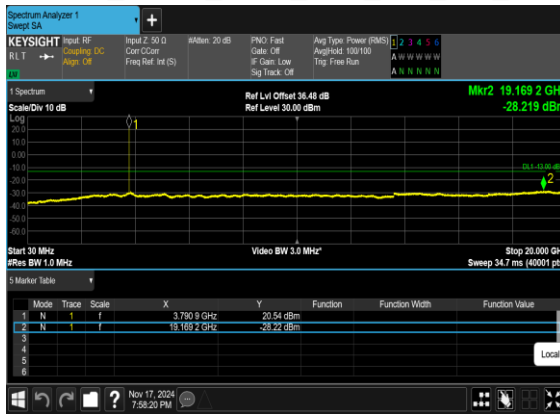


N77(100M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH

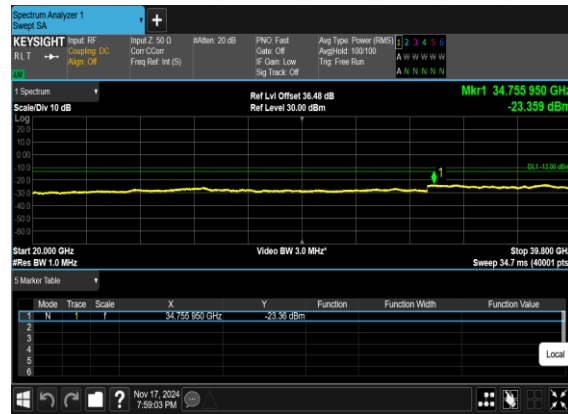




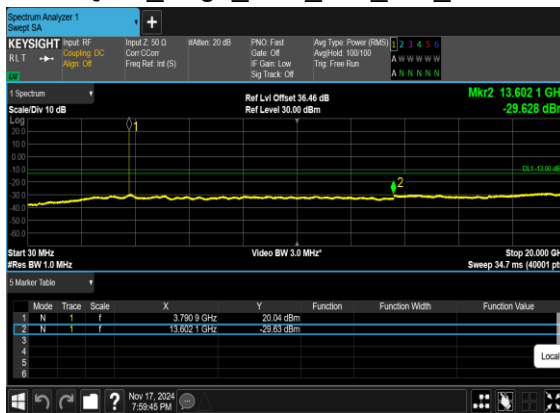
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



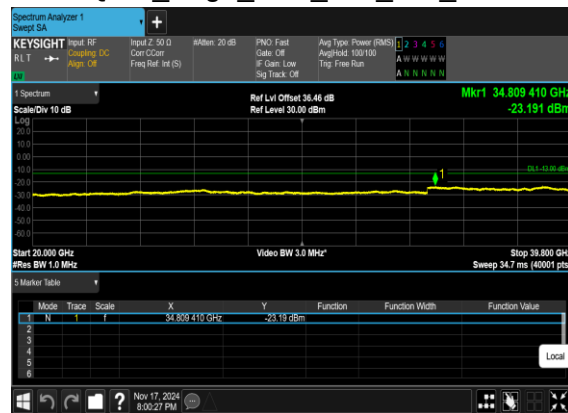
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(100M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH

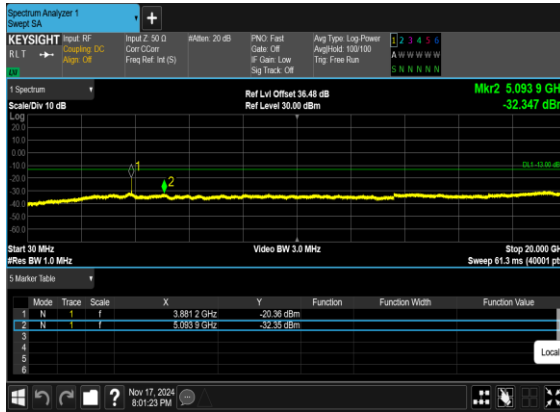


N77(100M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH

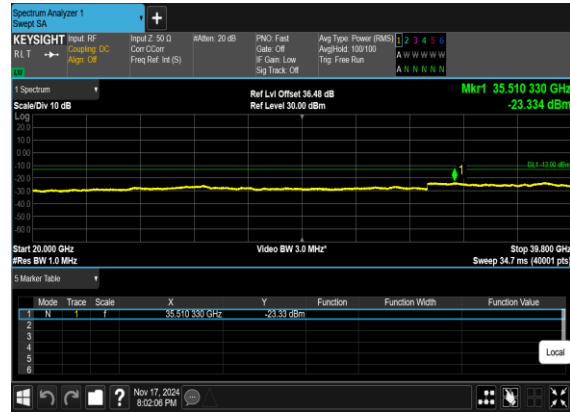




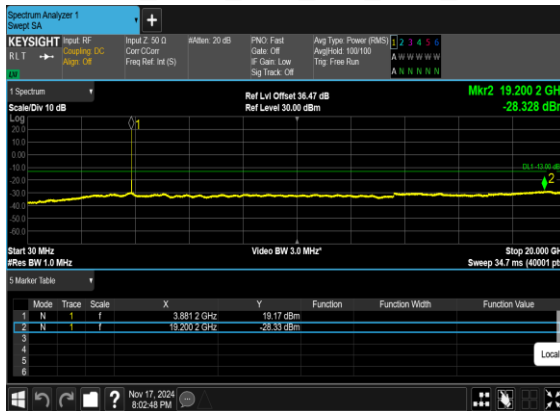
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



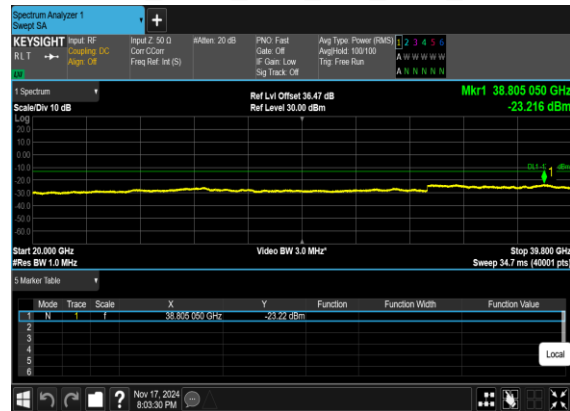
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N77(100M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH



N77(100M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH



**Conducted Band Edge**

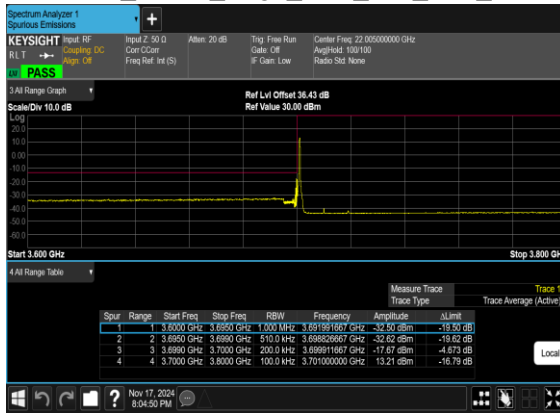
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	647334	3710.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	647334	3710.01	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	20	647334	3710.01	CP-OFDM QPSK	51@0	see graph	PASS
77	30	20	647334	3710.01	CP-OFDM 16 QAM	51@0	see graph	PASS
77	30	20	664666	3969.99	CP-OFDM QPSK	1@50	see graph	PASS
77	30	20	664666	3969.99	CP-OFDM 16 QAM	1@50	see graph	PASS
77	30	20	664666	3969.99	CP-OFDM QPSK	51@0	see graph	PASS
77	30	20	664666	3969.99	CP-OFDM 16 QAM	51@0	see graph	PASS
77	30	60	648668	3730.02	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	648668	3730.02	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	60	648668	3730.02	CP-OFDM QPSK	162@0	see graph	PASS
77	30	60	648668	3730.02	CP-OFDM 16 QAM	162@0	see graph	PASS
77	30	60	663332	3949.98	CP-OFDM QPSK	1@161	see graph	PASS
77	30	60	663332	3949.98	CP-OFDM 16 QAM	1@161	see graph	PASS
77	30	60	663332	3949.98	CP-OFDM QPSK	162@0	see graph	PASS
77	30	60	663332	3949.98	CP-OFDM 16 QAM	162@0	see graph	PASS
77	30	100	650000	3750.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	100	650000	3750.0	CP-OFDM QPSK	273@0	see graph	PASS
77	30	100	650000	3750.0	CP-OFDM 16 QAM	273@0	see graph	PASS
77	30	100	662000	3930.0	CP-OFDM QPSK	1@272	see graph	PASS
77	30	100	662000	3930.0	CP-OFDM 16 QAM	1@272	see graph	PASS
77	30	100	662000	3930.0	CP-OFDM QPSK	273@0	see graph	PASS



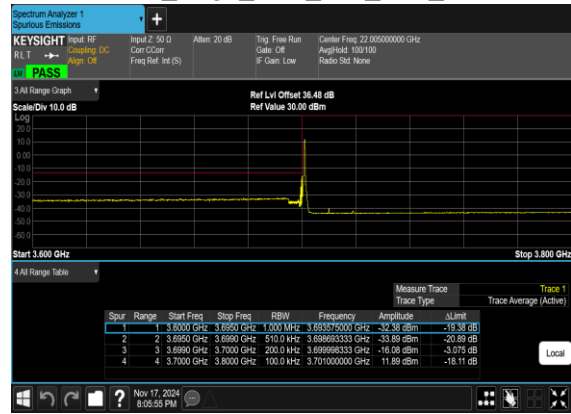
77	30	100	662000	3930.0	CP-OFDM 16 QAM	273@0	see graph	PASS
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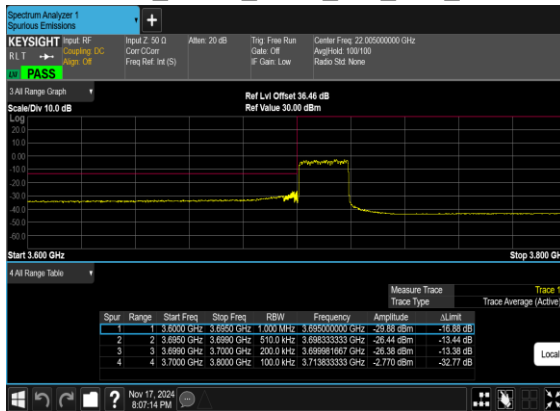
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



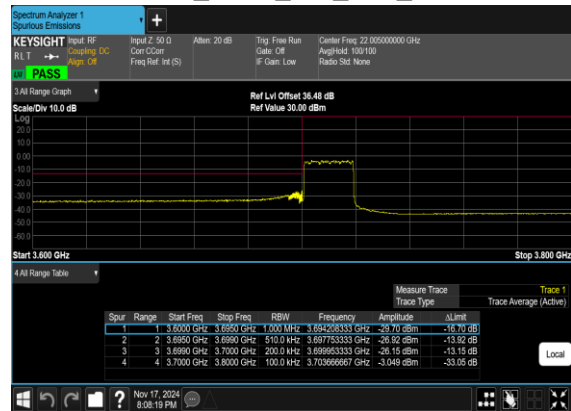
N77(20M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH



N77(20M)_CP-
OFDM_QPSK_Outer_Full_Low_CH

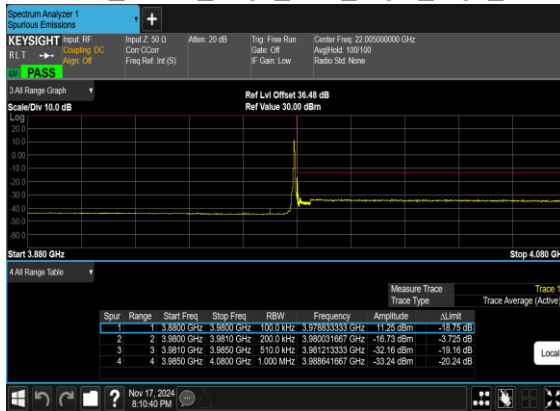


N77(20M)_CP-OFDM_16
QAM_Outer_Full_Low_CH

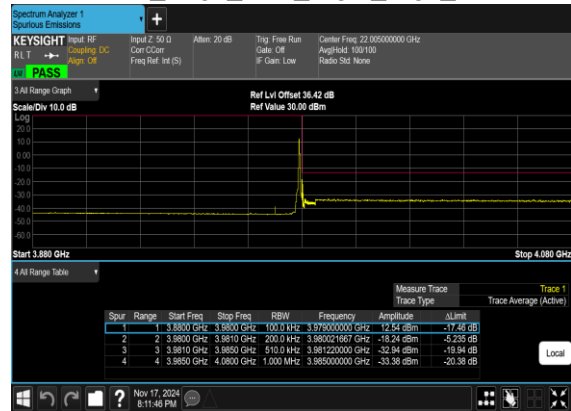




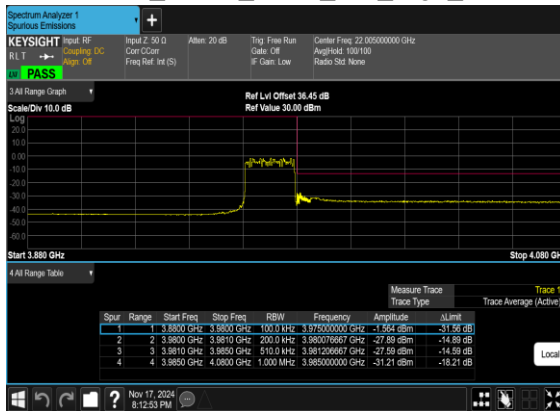
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



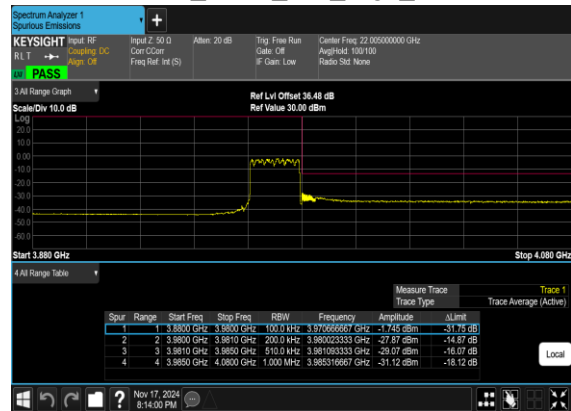
N77(20M)_CP-OFDM_16
QAM_Edge_1RB_Right_High_CH



N77(20M)_CP-
OFDM_QPSK_Outer_Full_High_CH

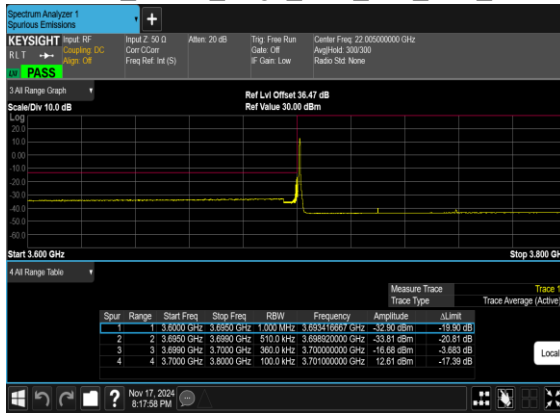


N77(20M)_CP-OFDM_16
QAM_Outer_Full_High_CH

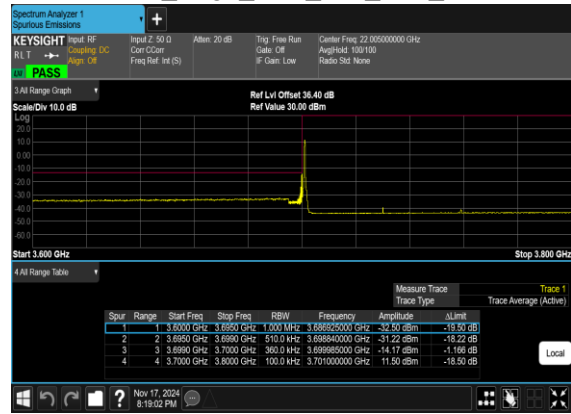




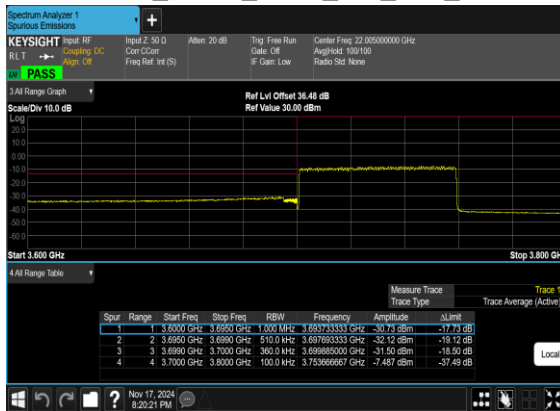
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



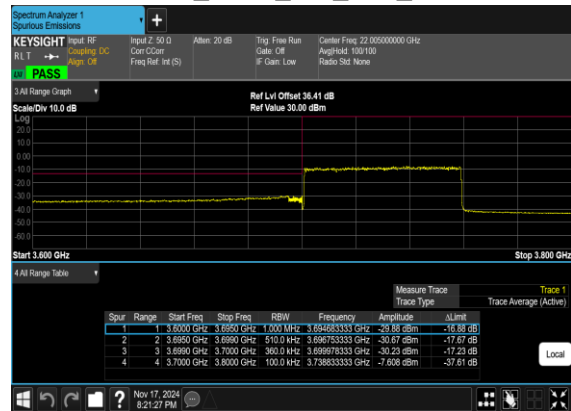
N77(60M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH



N77(60M)_CP-
OFDM_QPSK_Outer_Full_Low_CH

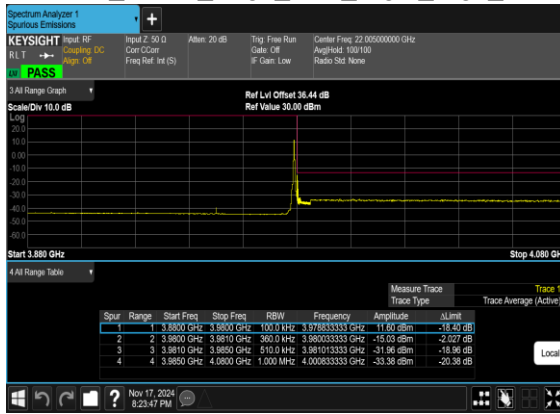


N77(60M)_CP-OFDM_16
QAM_Outer_Full_Low_CH

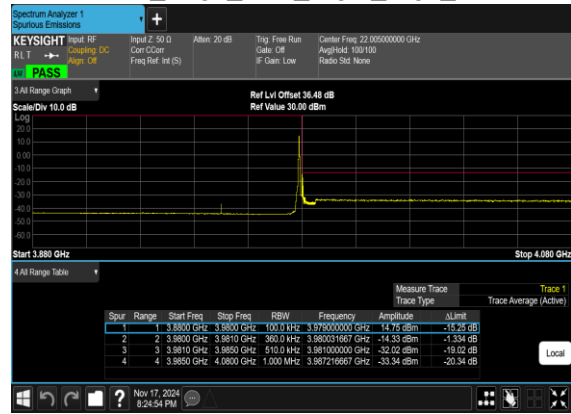




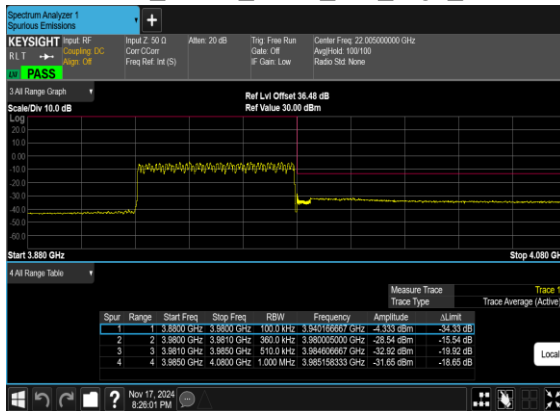
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



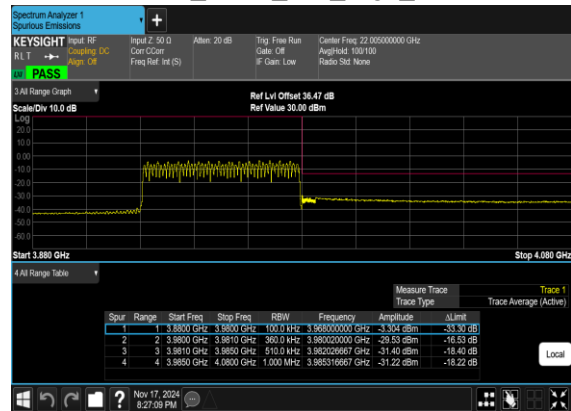
N77(60M)_CP-OFDM_16
QAM_Edge_1RB_Right_High_CH



N77(60M)_CP-
OFDM_QPSK_Outer_Full_High_CH

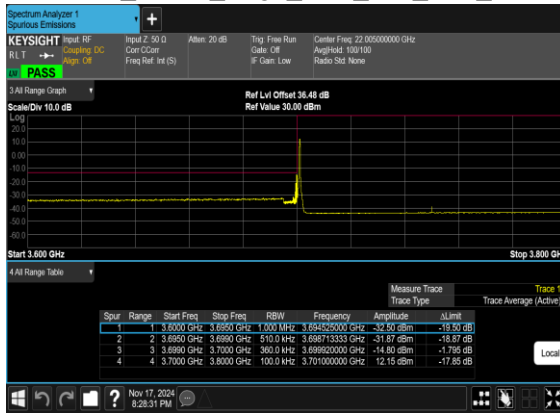


N77(60M)_CP-OFDM_16
QAM_Outer_Full_High_CH

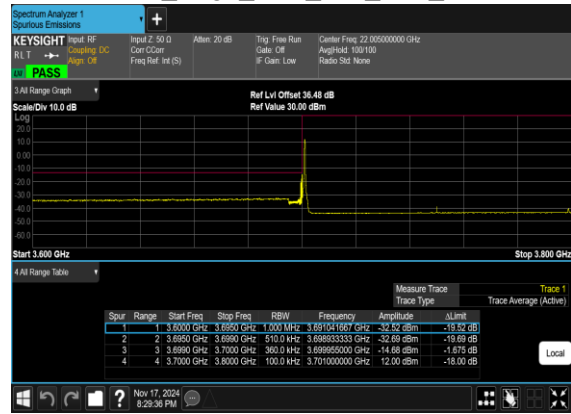




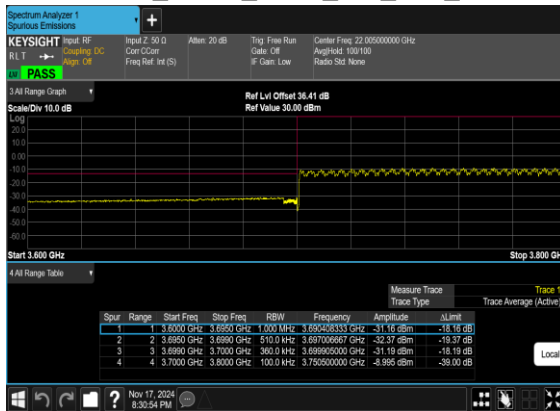
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



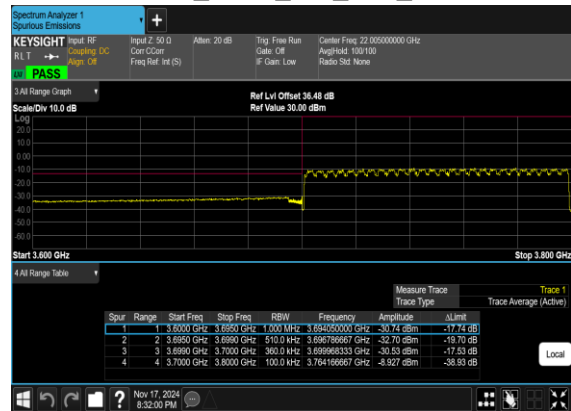
N77(100M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH



N77(100M)_CP-
OFDM_QPSK_Outer_Full_Low_CH

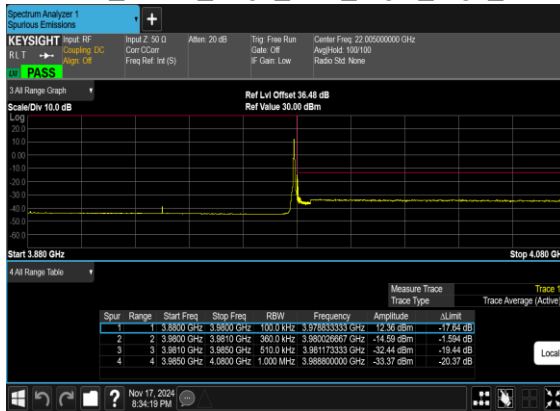


N77(100M)_CP-OFDM_16
QAM_Outer_Full_Low_CH

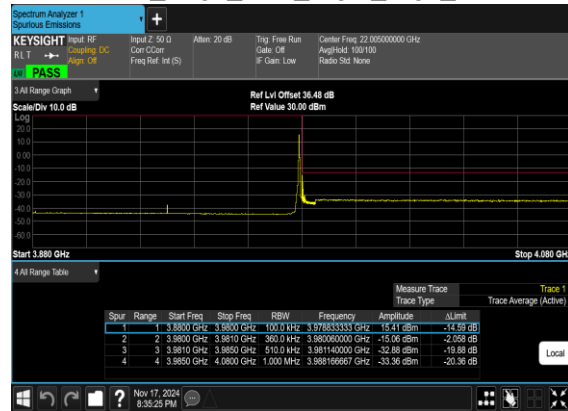




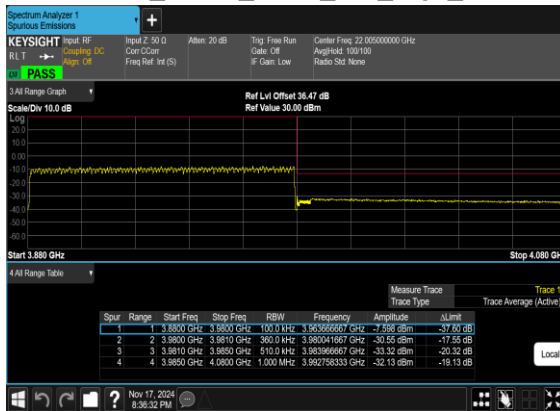
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



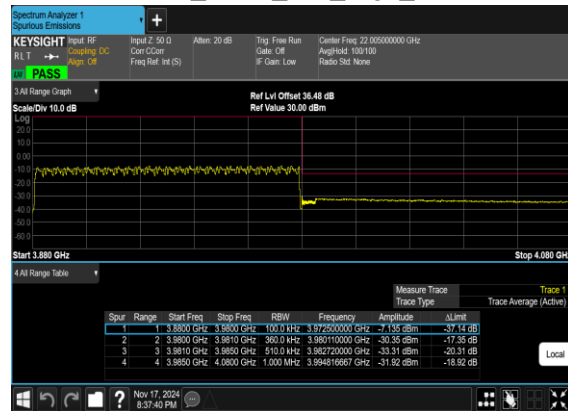
N77(100M)_CP-OFDM_16
QAM_Edge_1RB_Right_High_CH



N77(100M)_CP-
OFDM_QPSK_Outer_Full_High_CH



N77(100M)_CP-OFDM_16
QAM_Outer_Full_High_CH





Software Version: 23.06.1602

FR1 N77 MIMO-Ant7

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0052	PASS	NV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	-0.0039	PASS	LV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0027	PASS	HV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	-0.0017	PASS	-30℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0028	PASS	-20℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	-0.0041	PASS	-10℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0062	PASS	0℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0042	PASS	10℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0024	PASS	20℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	-0.0072	PASS	30℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0033	PASS	40℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0027	PASS	50℃

**Peak to Average Ratio**

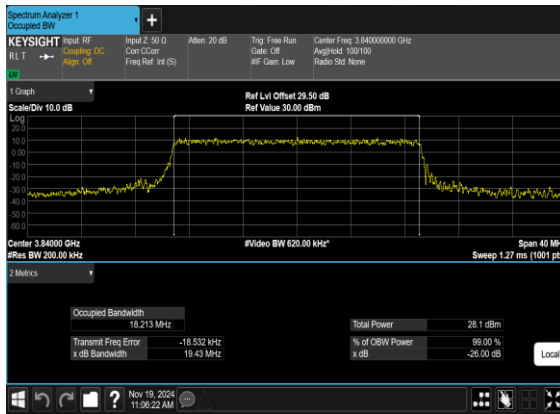
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	7.7	13	PASS
77	30	20	656000	3840.0	CP-OFDM QPSK	1@0	7.98	13	PASS
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	7.78	13	PASS
77	30	20	656000	3840.0	CP-OFDM 16 QAM	1@0	8.18	13	PASS

**Occupied Bandwidth**

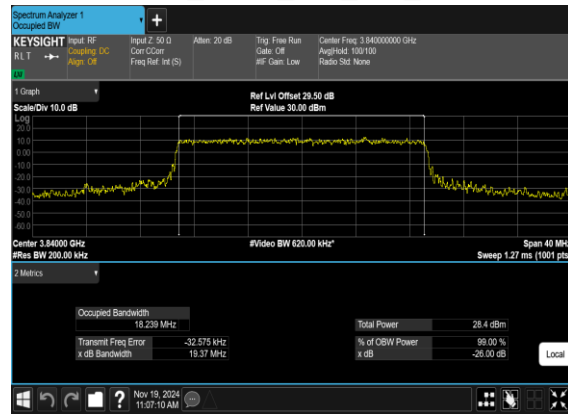
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	18.213	19.43
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	18.239	19.37
77	30	20	656000	3840.0	CP-OFDM 64 QAM	51@0	18.152	18.92
77	30	20	656000	3840.0	CP-OFDM 256 QAM	51@0	18.233	19.5
77	30	30	656000	3840.0	CP-OFDM QPSK	78@0	27.734	29.22
77	30	30	656000	3840.0	CP-OFDM 16 QAM	78@0	27.832	28.86
77	30	30	656000	3840.0	CP-OFDM 64 QAM	78@0	27.788	29.15
77	30	30	656000	3840.0	CP-OFDM 256 QAM	78@0	27.751	28.84
77	30	40	656000	3840.0	CP-OFDM QPSK	106@0	37.75	39.25
77	30	40	656000	3840.0	CP-OFDM 16 QAM	106@0	37.874	39.55
77	30	40	656000	3840.0	CP-OFDM 64 QAM	106@0	37.814	39.18
77	30	40	656000	3840.0	CP-OFDM 256 QAM	106@0	37.855	39.66
77	30	60	656000	3840.0	CP-OFDM QPSK	162@0	57.784	59.79
77	30	60	656000	3840.0	CP-OFDM 16 QAM	162@0	57.903	59.89
77	30	60	656000	3840.0	CP-OFDM 64 QAM	162@0	57.831	59.73
77	30	60	656000	3840.0	CP-OFDM 256 QAM	162@0	57.786	60.1
77	30	80	656000	3840.0	CP-OFDM QPSK	217@0	77.51	80.01
77	30	80	656000	3840.0	CP-OFDM 16 QAM	217@0	77.602	80.12
77	30	80	656000	3840.0	CP-OFDM 64 QAM	217@0	77.301	80.05
77	30	80	656000	3840.0	CP-OFDM 256 QAM	217@0	77.389	79.95
77	30	100	656000	3840.0	CP-OFDM QPSK	273@0	97.467	100.7
77	30	100	656000	3840.0	CP-OFDM 16 QAM	273@0	97.481	100.5
77	30	100	656000	3840.0	CP-OFDM 64 QAM	273@0	97.411	100.5
77	30	100	656000	3840.0	CP-OFDM 256 QAM	273@0	97.525	100.5



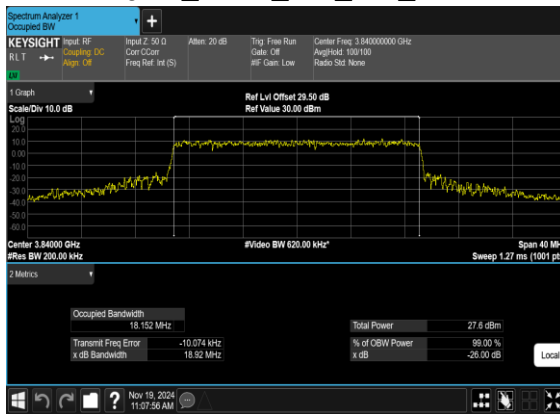
N77(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

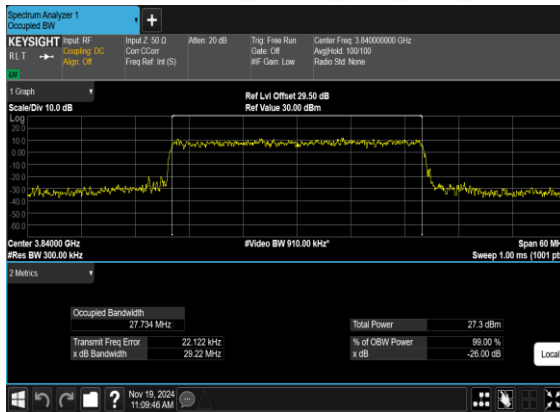


N77(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

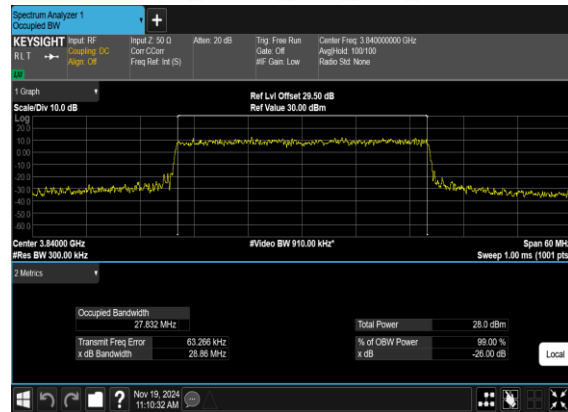




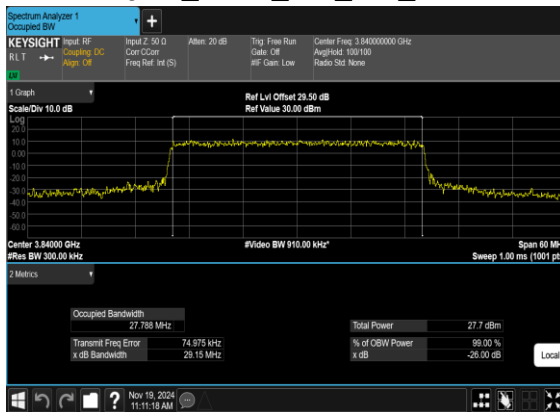
N77(30M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



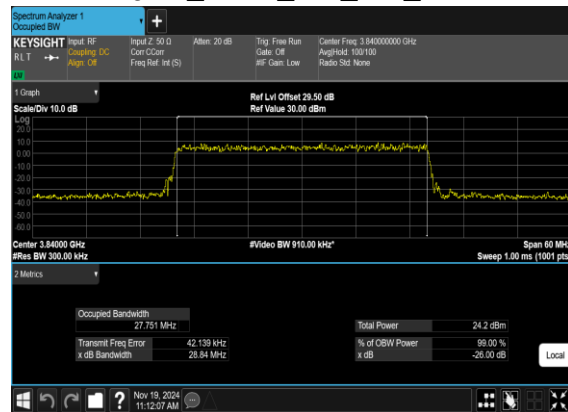
N77(30M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(30M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

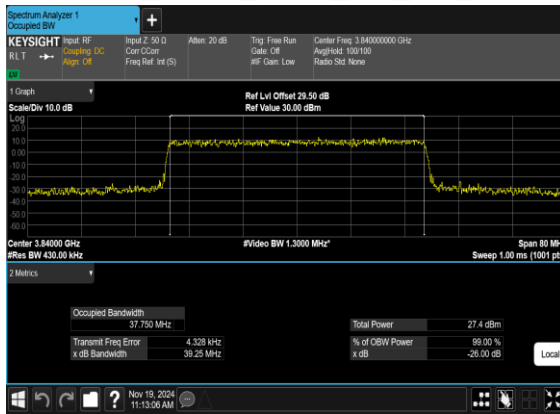


N77(30M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

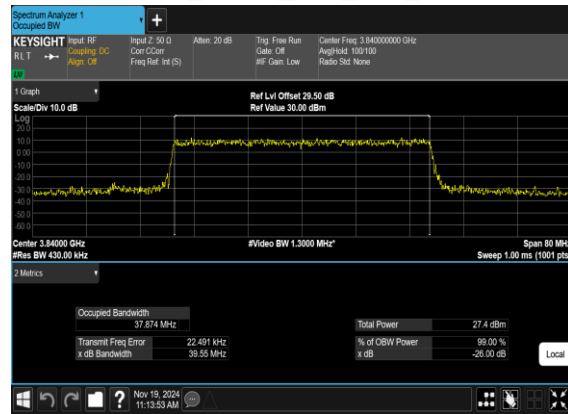




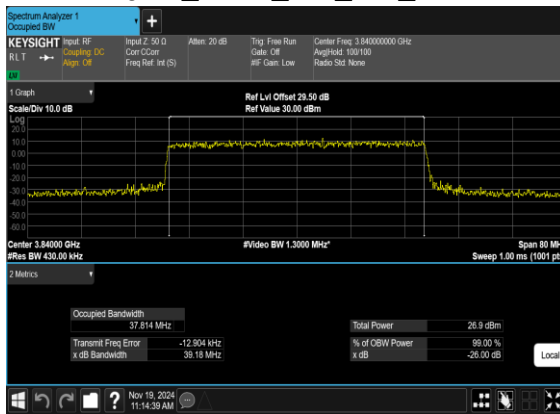
N77(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



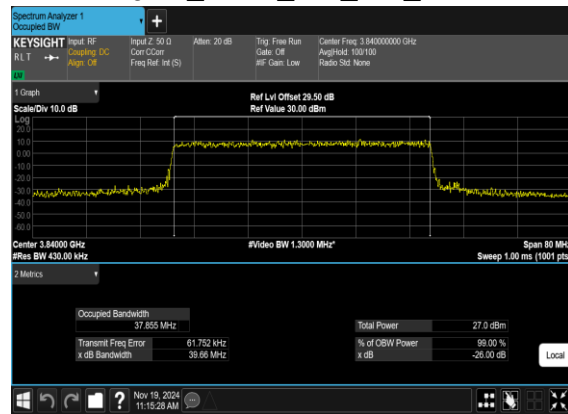
N77(40M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

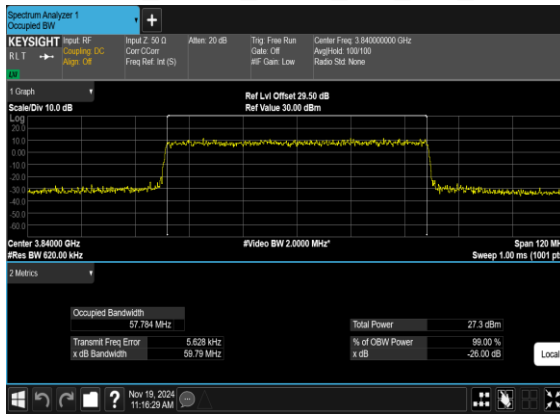


N77(40M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

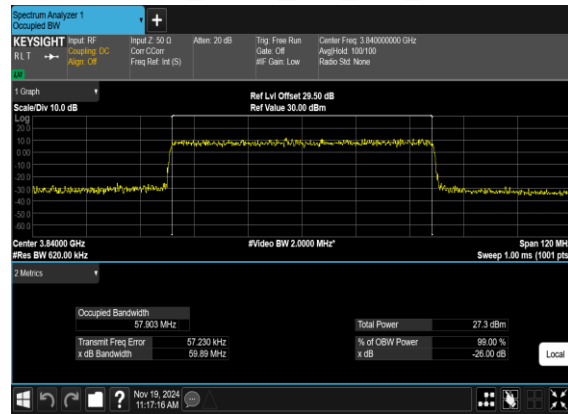




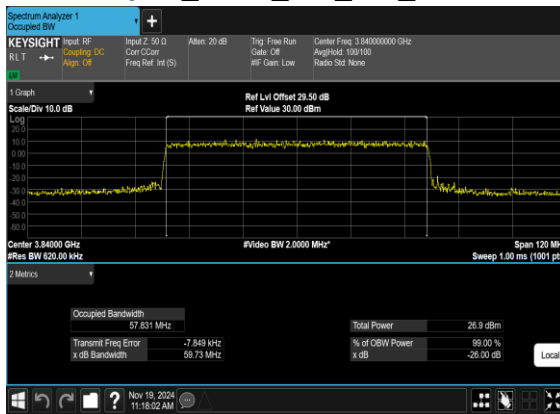
N77(60M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



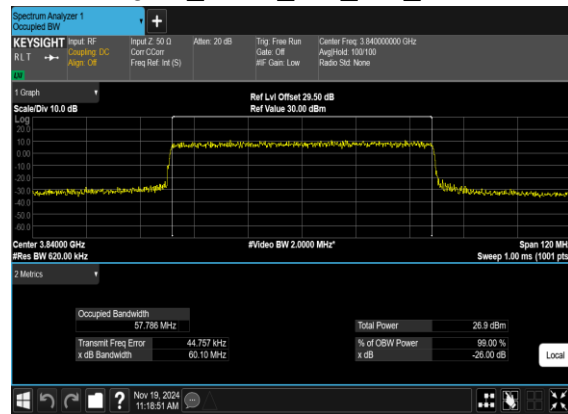
N77(60M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(60M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

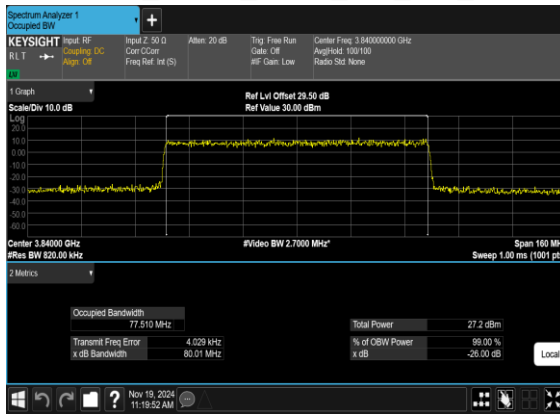


N77(60M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

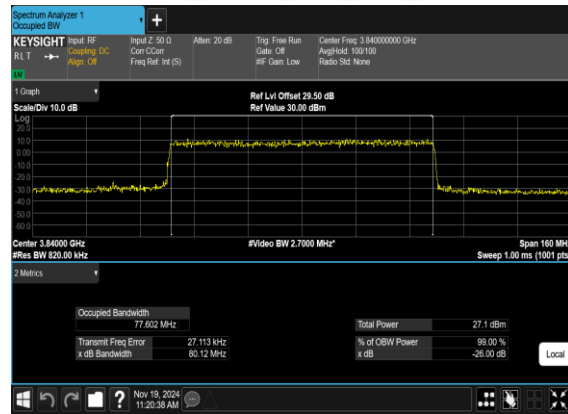




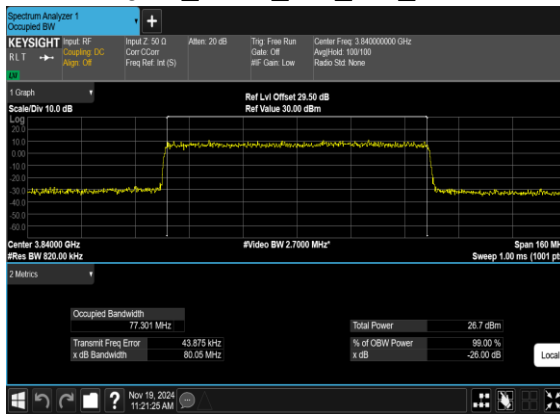
N77(80M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



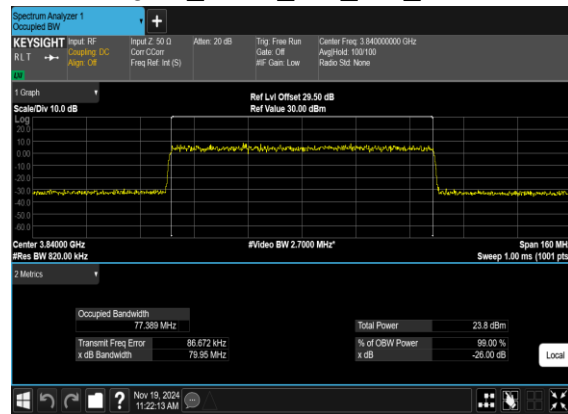
N77(80M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(80M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

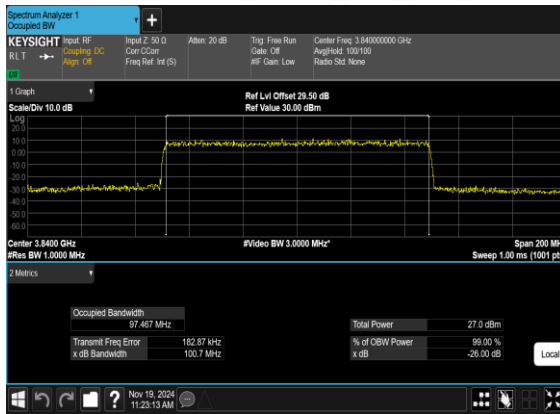


N77(80M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

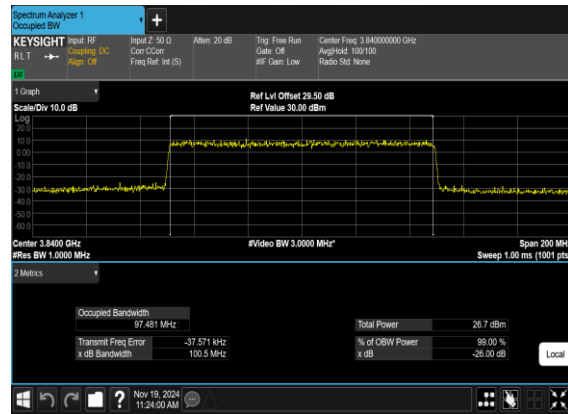




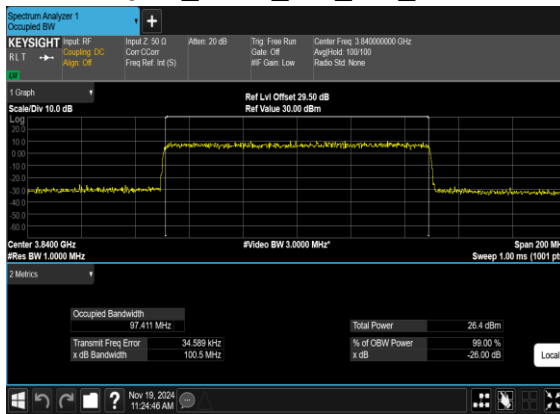
N77(100M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



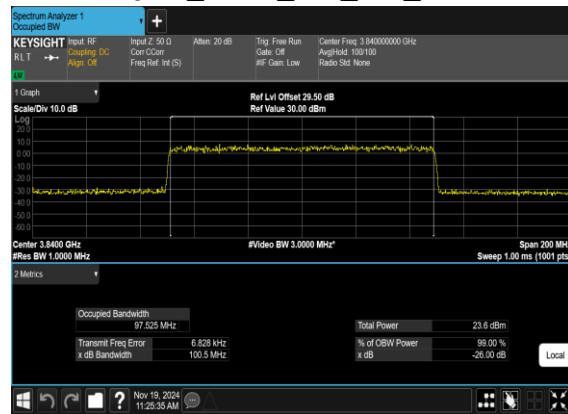
N77(100M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	647334	3710.01	CP-OFDM QPSK	1@0	see graph	---
77	30	20	647334	3710.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	647334	3710.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	647334	3710.01	CP-OFDM 16 QAM	1@0	see graph	---
77	30	20	647334	3710.01	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	20	647334	3710.01	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	20	656000	3840.0	CP-OFDM QPSK	1@0	see graph	---
77	30	20	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	656000	3840.0	CP-OFDM 16 QAM	1@0	see graph	---
77	30	20	656000	3840.0	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	20	656000	3840.0	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	20	664666	3969.99	CP-OFDM QPSK	1@0	see graph	---
77	30	20	664666	3969.99	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	664666	3969.99	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	664666	3969.99	CP-OFDM 16 QAM	1@0	see graph	---
77	30	20	664666	3969.99	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	20	664666	3969.99	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	60	648668	3730.02	CP-OFDM QPSK	1@0	see graph	---
77	30	60	648668	3730.02	CP-OFDM QPSK	1@0	see graph	PASS



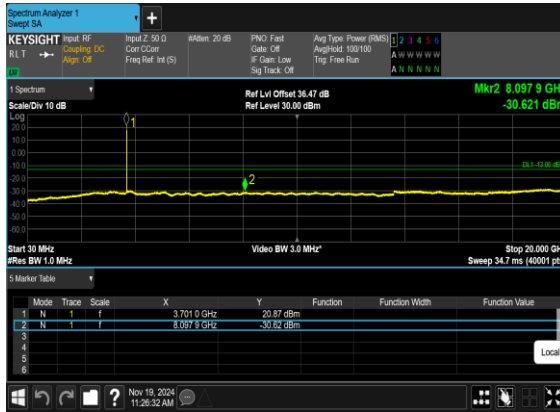
77	30	60	648668	3730.02	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	648668	3730.02	CP-OFDM 16 QAM	1@0	see graph	---
77	30	60	648668	3730.02	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	60	648668	3730.02	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	60	656000	3840.0	CP-OFDM QPSK	1@0	see graph	---
77	30	60	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	656000	3840.0	CP-OFDM 16 QAM	1@0	see graph	---
77	30	60	656000	3840.0	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	60	656000	3840.0	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	60	663332	3949.98	CP-OFDM QPSK	1@0	see graph	---
77	30	60	663332	3949.98	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	663332	3949.98	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	663332	3949.98	CP-OFDM 16 QAM	1@0	see graph	---
77	30	60	663332	3949.98	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	60	663332	3949.98	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	100	650000	3750.0	CP-OFDM QPSK	1@0	see graph	---
77	30	100	650000	3750.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	CP-OFDM 16 QAM	1@0	see graph	---
77	30	100	650000	3750.0	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	100	650000	3750.0	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	100	656000	3840.0	CP-OFDM QPSK	1@0	see graph	---



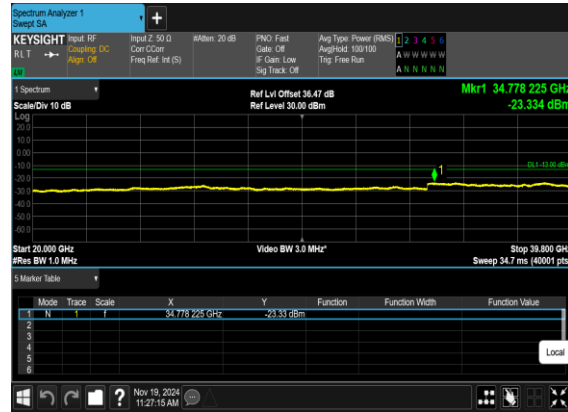
77	30	100	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	100	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	100	656000	3840.0	CP-OFDM 16 QAM	1@0	see graph	---
77	30	100	656000	3840.0	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	100	656000	3840.0	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	100	662000	3930.0	CP-OFDM QPSK	1@0	see graph	---
77	30	100	662000	3930.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	100	662000	3930.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	100	662000	3930.0	CP-OFDM 16 QAM	1@0	see graph	---
77	30	100	662000	3930.0	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	100	662000	3930.0	CP-OFDM 16 QAM	1@0	see graph	PASS



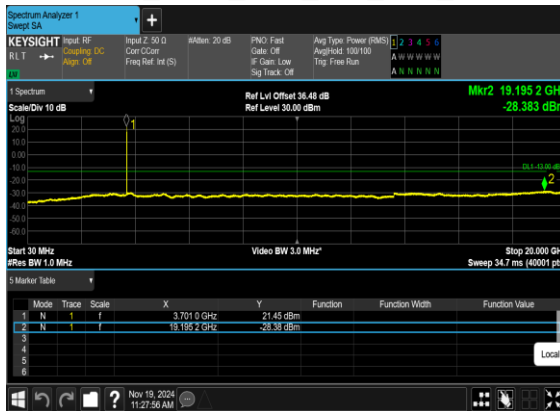
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



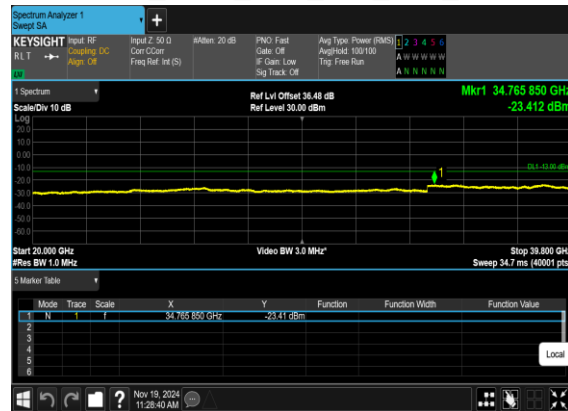
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(20M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH



N77(20M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH

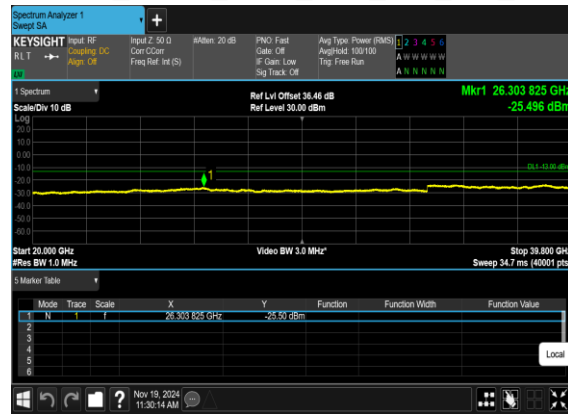




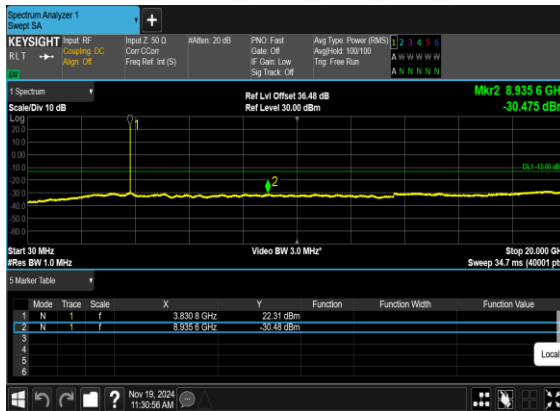
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



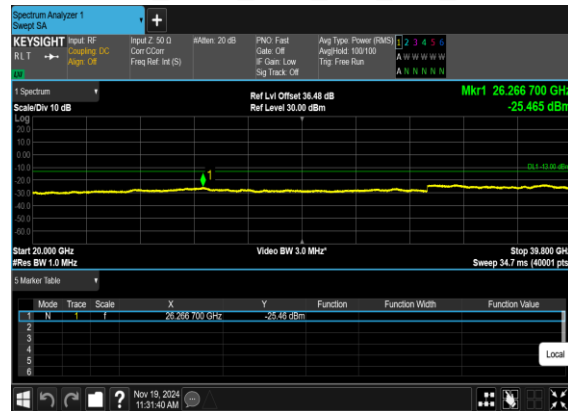
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(20M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH

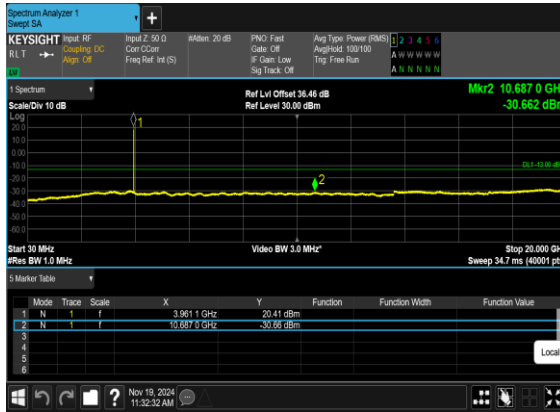


N77(20M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH

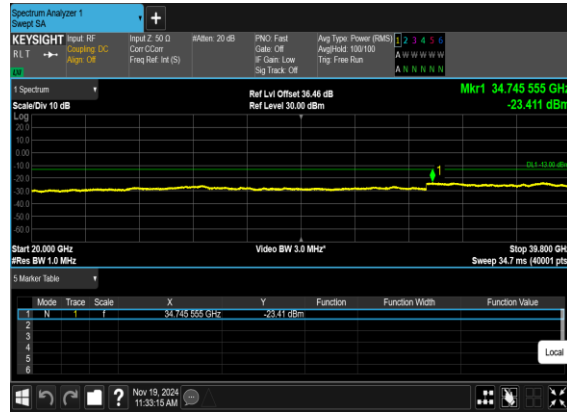




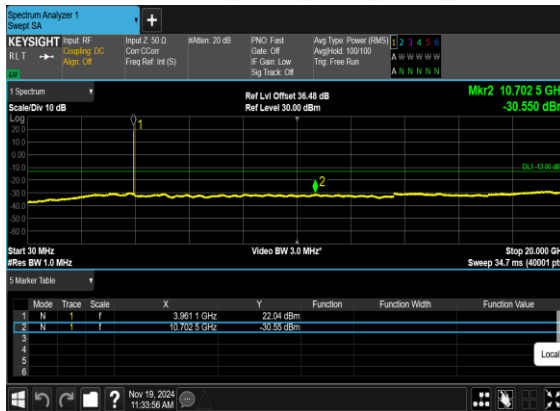
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



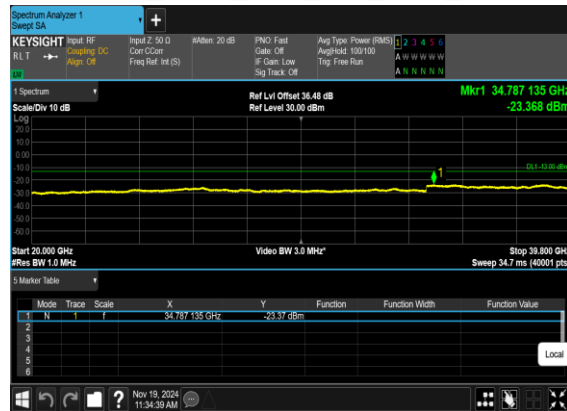
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N77(20M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH

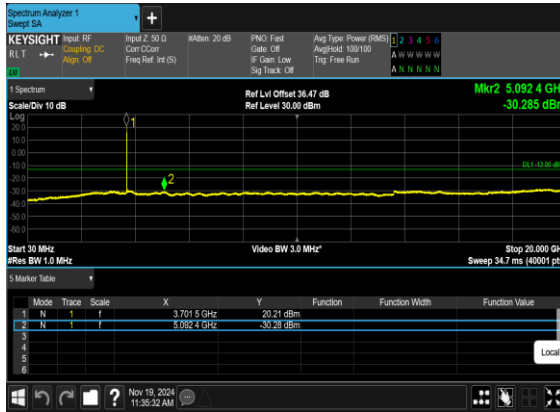


N77(20M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH

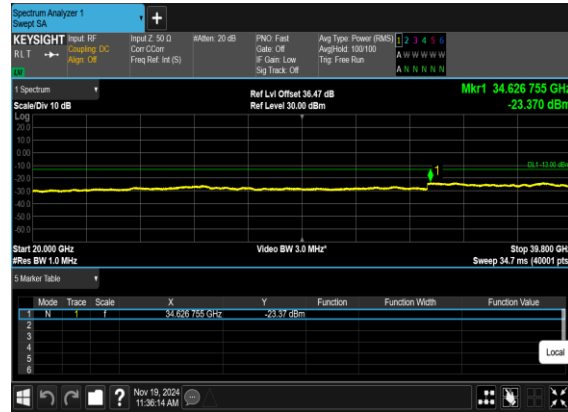




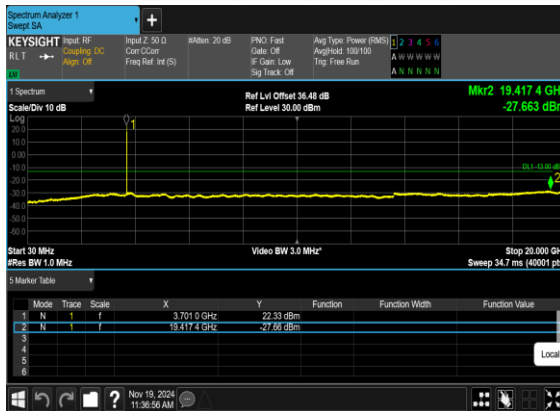
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



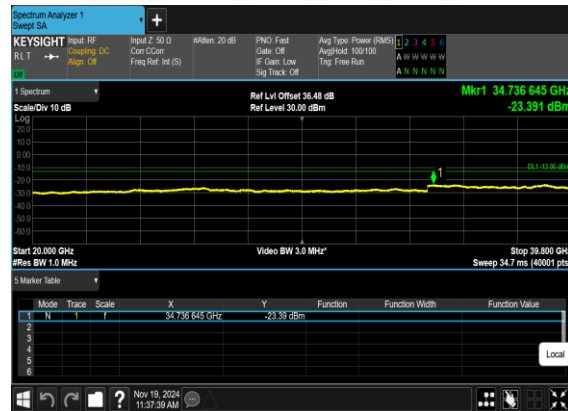
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(60M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH

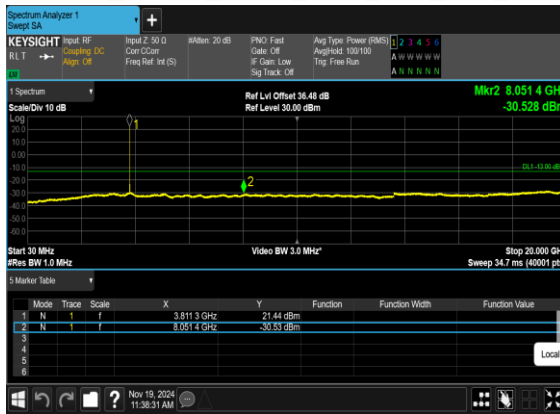


N77(60M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH

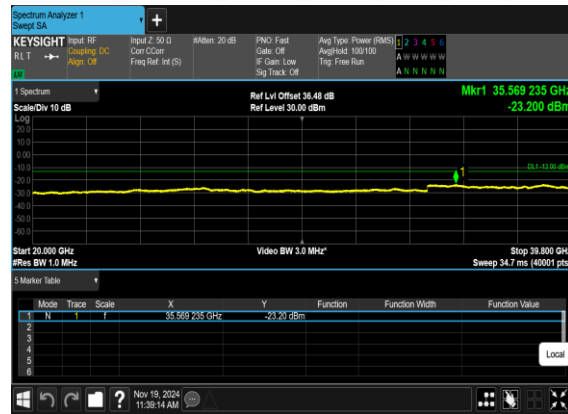




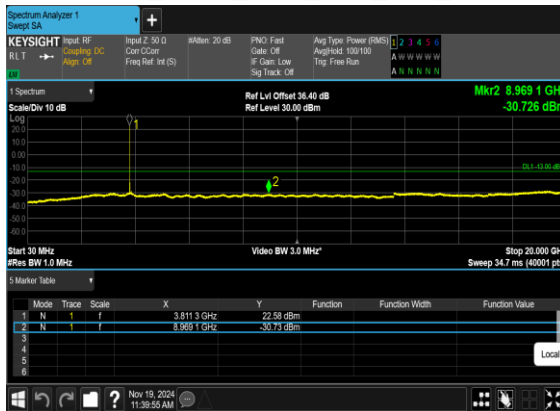
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(60M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH



N77(60M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH

