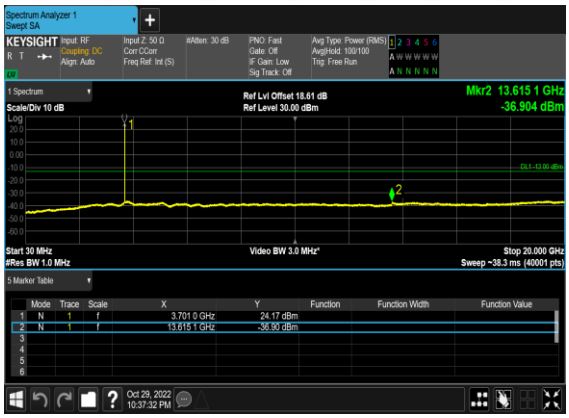
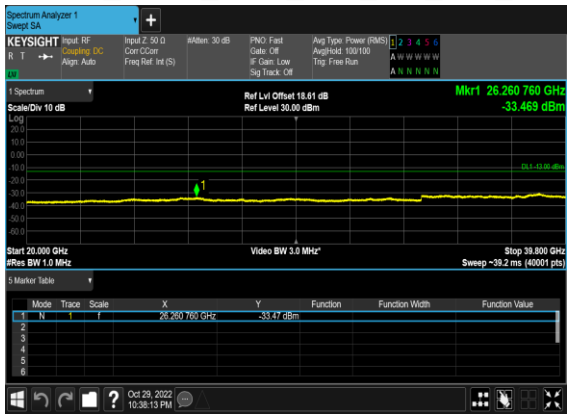
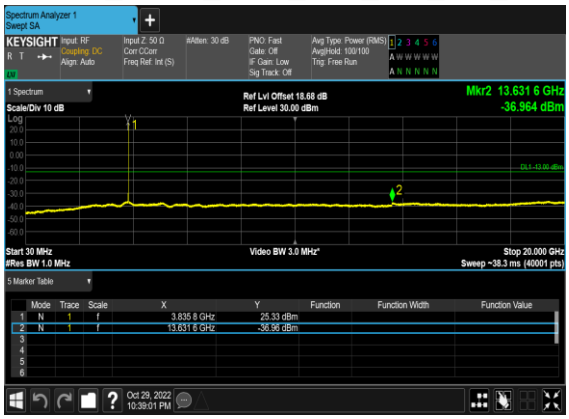
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



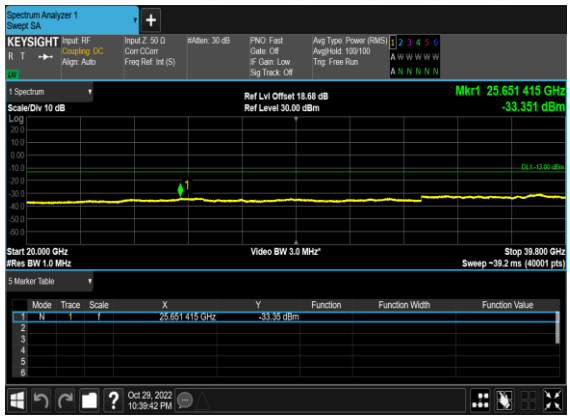
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



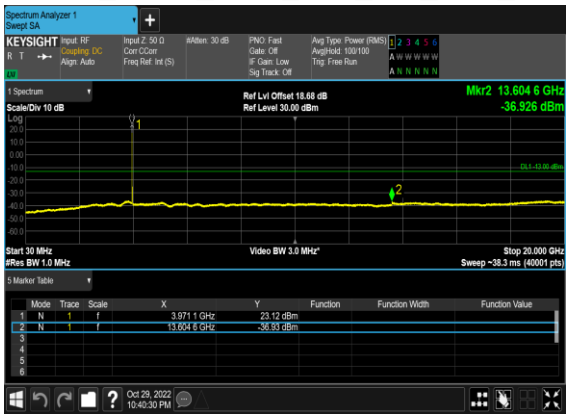
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



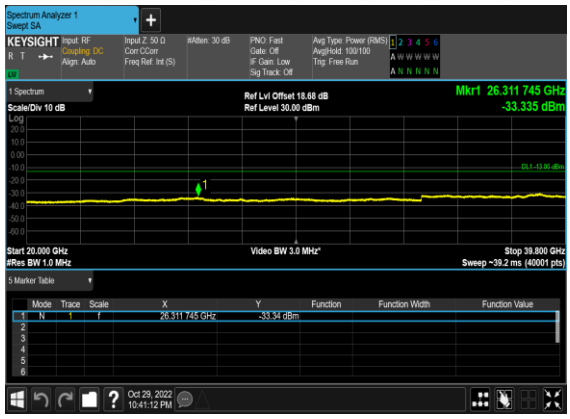
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



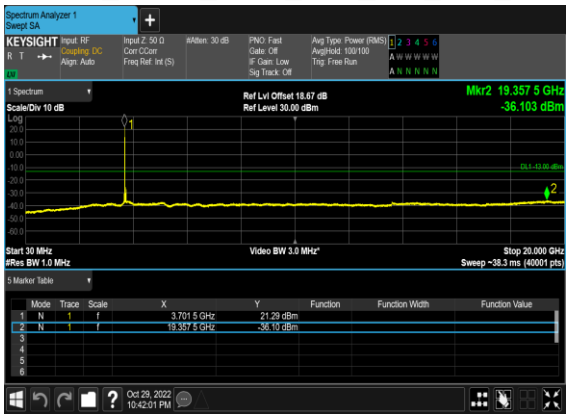
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



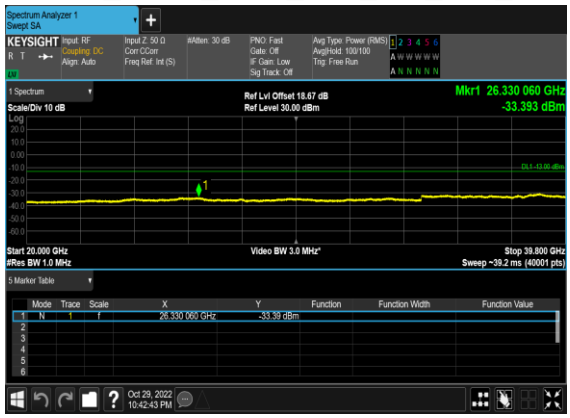
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



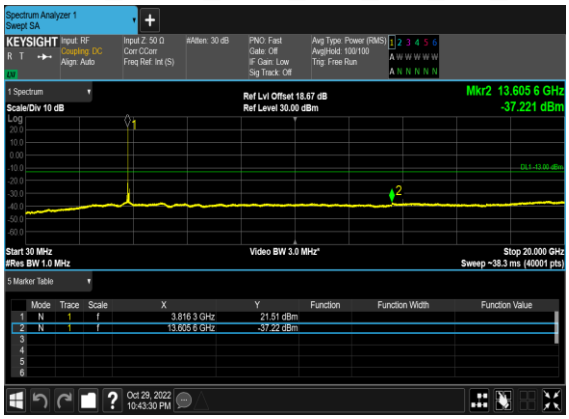
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



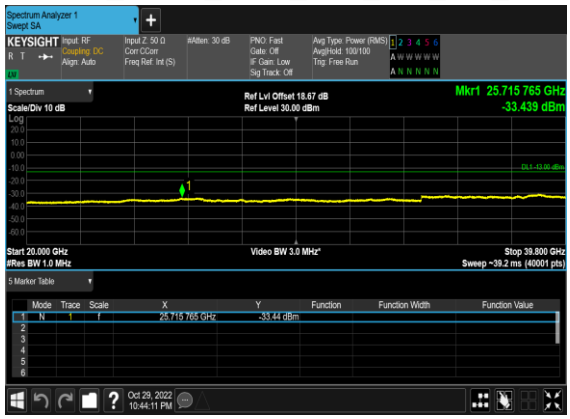
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



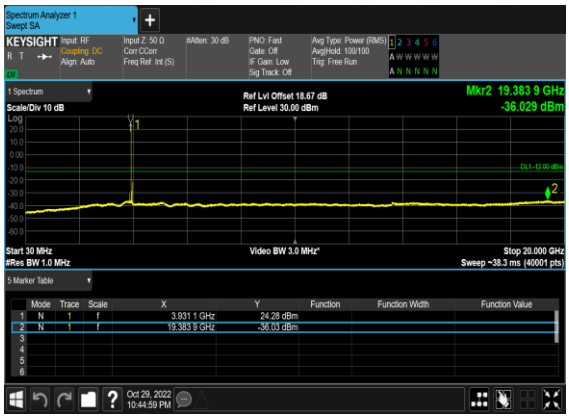
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



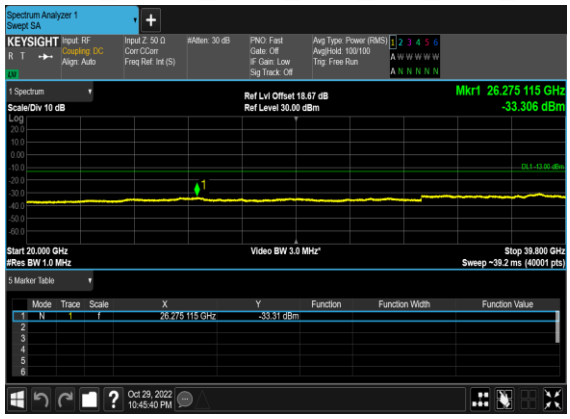
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



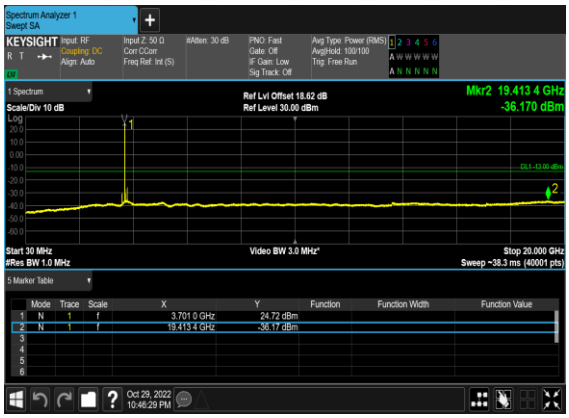
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



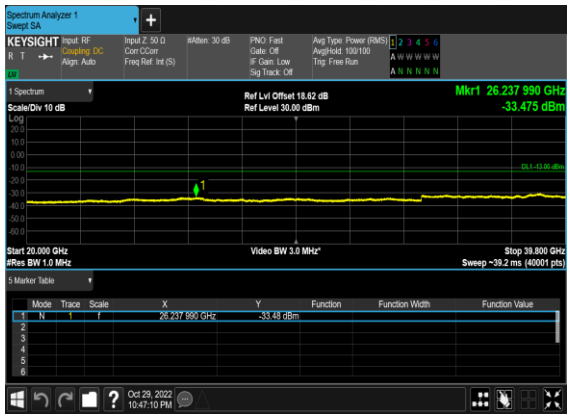
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



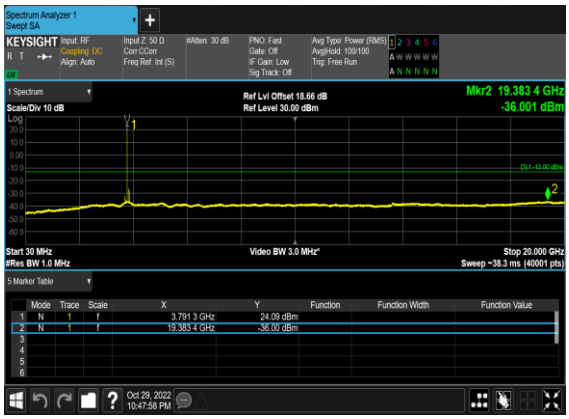
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



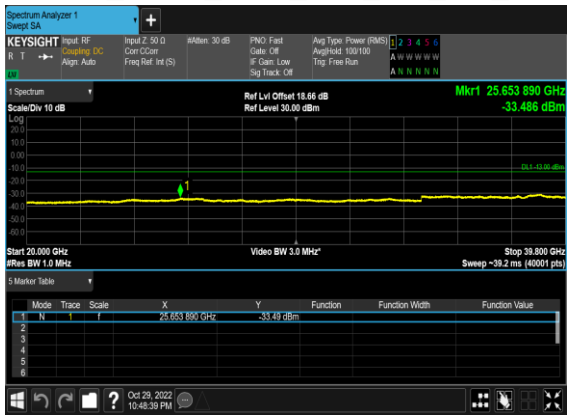
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



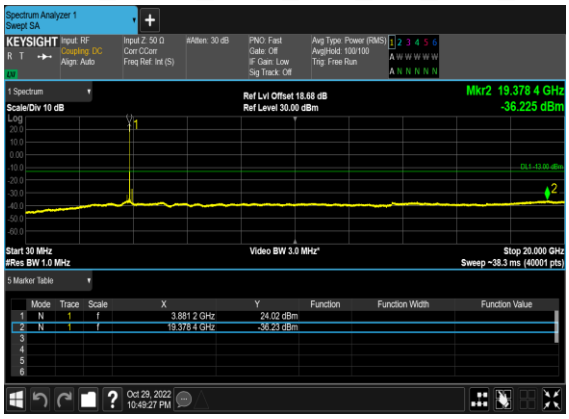
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



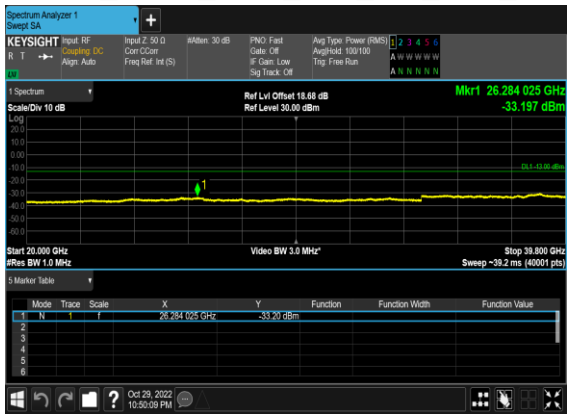
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



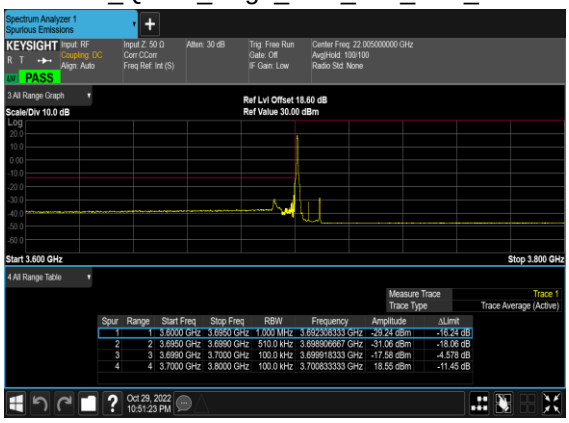
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



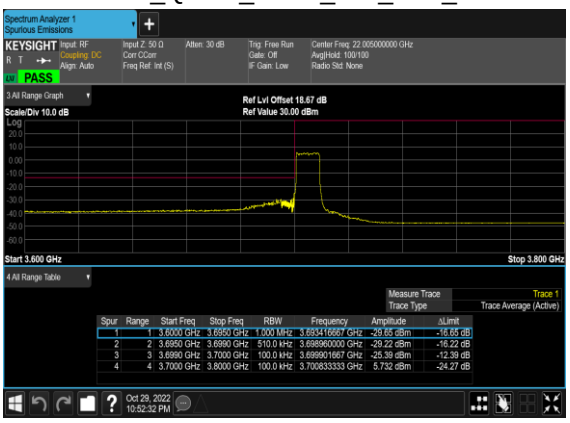
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	647000	3705.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	647000	3705.0	CP-OFDM QPSK	24@0	see graph	**PASS**
77	30	10	665000	3975.0	CP-OFDM QPSK	1@23	see graph	**PASS**
77	30	10	665000	3975.0	CP-OFDM QPSK	24@0	see graph	**PASS**
77	30	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	648334	3725.01	CP-OFDM QPSK	133@0	see graph	**PASS**
77	30	50	663666	3954.99	CP-OFDM QPSK	1@132	see graph	**PASS**
77	30	50	663666	3954.99	CP-OFDM QPSK	133@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 QPSK	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 QPSK	273@0	see graph	**PASS**

N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



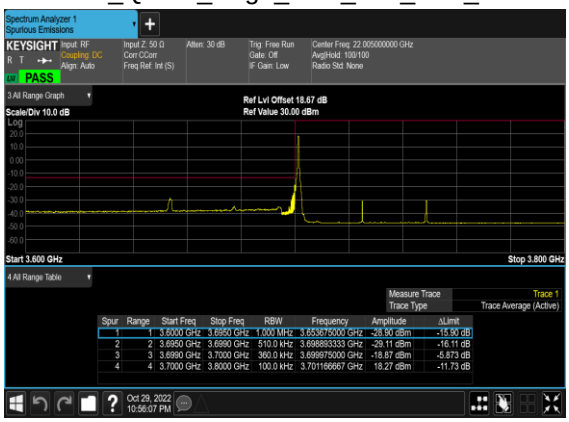
N77(10M)_CP-OFDM_QPSK_Outer_Full_Low_CH



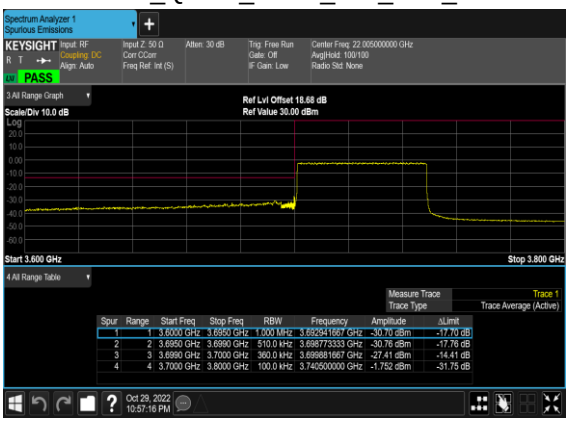
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH

N77(10M)_CP-OFDM_QPSK_Outer_Full_High_CH

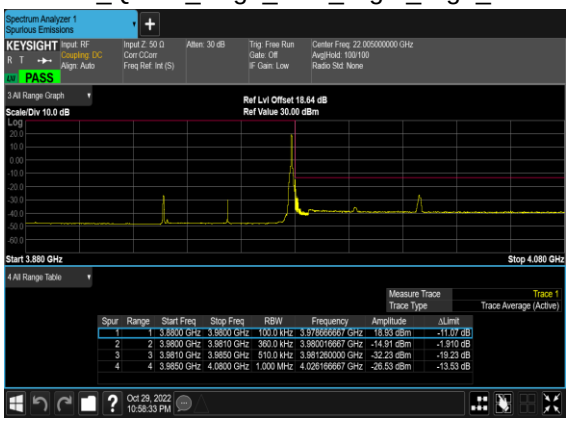
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



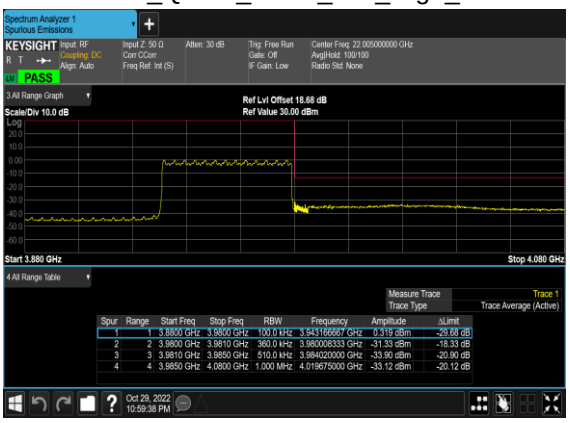
N77(50M)_CP-OFDM_QPSK_Outer_Full_Low_CH



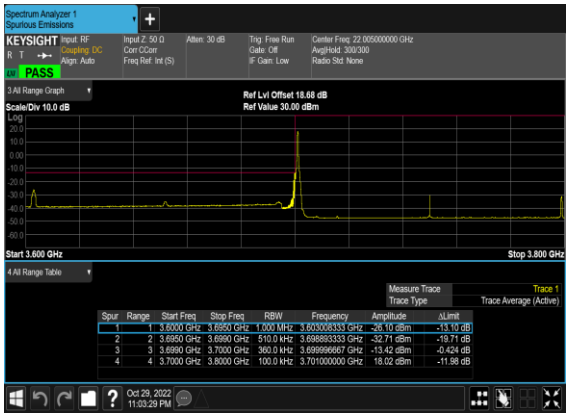
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH



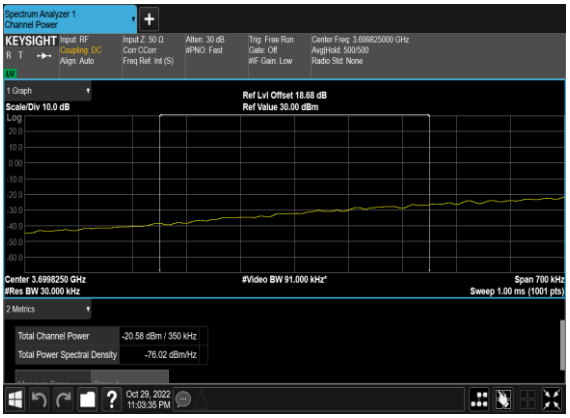
N77(50M)_CP-OFDM_QPSK_Outer_Full_High_CH



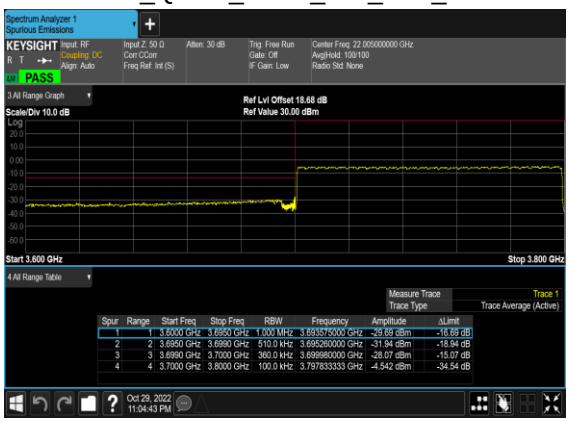
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



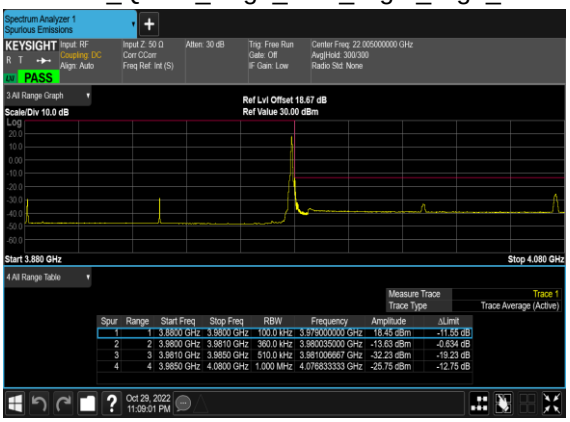
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**



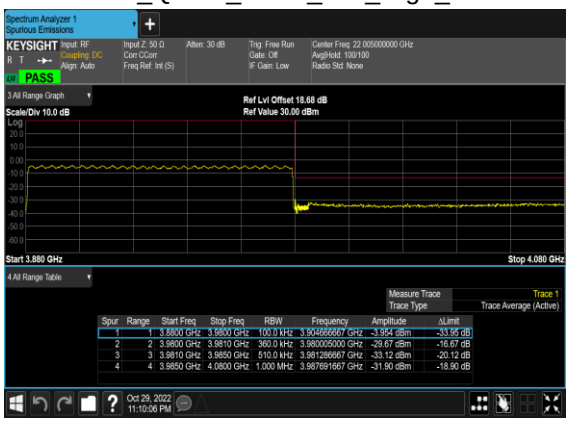
N77(100M)_CP-OFDM_QPSK_Outer_Full_Low_CH



N77(100M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(100M)_CP-OFDM_QPSK_Outer_Full_High_CH



FR1 N77 MIMO-ANT10

Frequency Stability

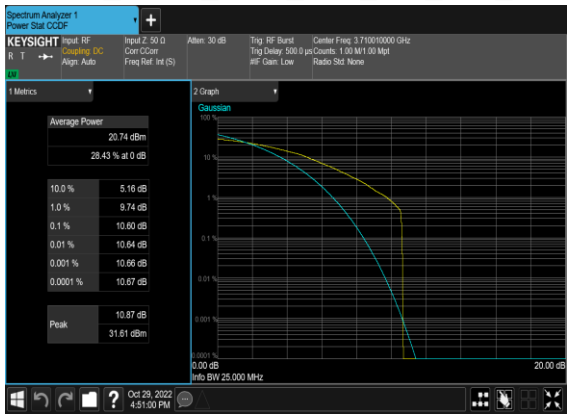
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0054	**PASS**	NV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0031	**PASS**	LV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0032	**PASS**	HV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0043	**PASS**	-30℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0069	**PASS**	-20℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0064	**PASS**	-10℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0068	**PASS**	0℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0036	**PASS**	10℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0054	**PASS**	20℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0055	**PASS**	30℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0023	**PASS**	40℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0038	**PASS**	50℃

Peak to Average Radio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	647334	3710.01	CP-OFDM QPSK	51@0	10.03	13	**PASS**
77	30	20	647334	3710.01	CP-OFDM QPSK	1@0	10.6	13	**PASS**
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	10.54	13	**PASS**
77	30	20	656000	3840.0	CP-OFDM QPSK	1@0	10.52	13	**PASS**
77	30	20	664666	3969.99	CP-OFDM QPSK	51@0	10.31	13	**PASS**
77	30	20	664666	3969.99	CP-OFDM QPSK	1@0	11.69	13	**PASS**

N77(20M)_CP-OFDM_QPSK_Outer_Full_Low_CH

N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH

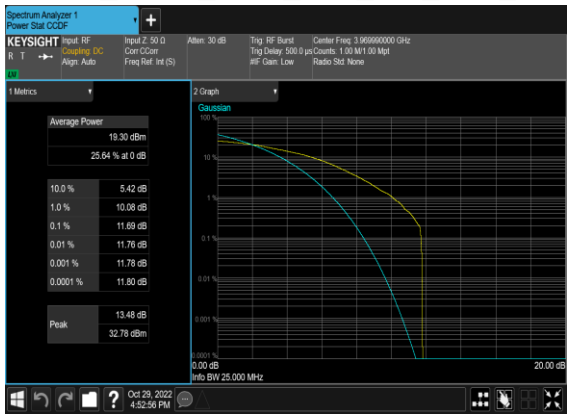


N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH

N77(20M)_CP-OFDM_QPSK_Outer_Full_High_CH

N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH

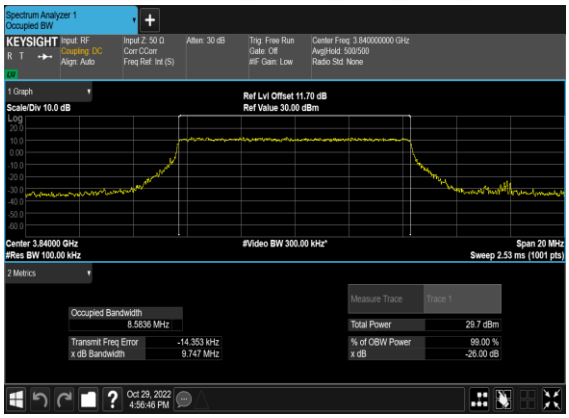


Occupied Bandwidth

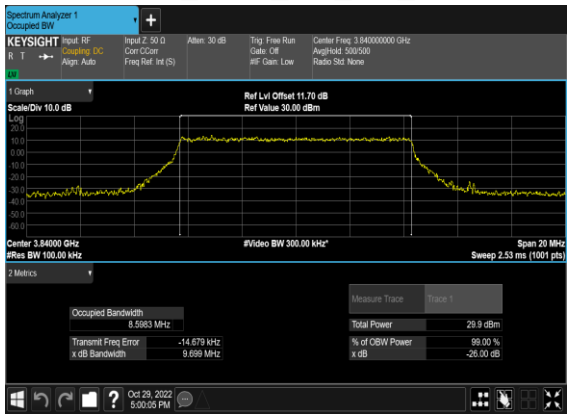
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
77	30	10	656000	3840.0	CP-OFDM QPSK	24@0	8.5836	9.747
77	30	10	656000	3840.0	CP-OFDM 16 QAM	24@0	8.5983	9.699
77	30	10	656000	3840.0	CP-OFDM 64 QAM	24@0	8.563	9.507
77	30	10	656000	3840.0	CP-OFDM 256 QAM	24@0	8.5823	9.738
77	30	15	656000	3840.0	CP-OFDM QPSK	38@0	13.569	14.87
77	30	15	656000	3840.0	CP-OFDM 16 QAM	38@0	13.542	14.63
77	30	15	656000	3840.0	CP-OFDM 64 QAM	38@0	13.585	14.86
77	30	15	656000	3840.0	CP-OFDM 256 QAM	38@0	13.573	14.77
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	18.231	19.57
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	18.227	19.29
77	30	20	656000	3840.0	CP-OFDM 64 QAM	51@0	18.18	19.55
77	30	20	656000	3840.0	CP-OFDM 256 QAM	51@0	18.205	19.55
77	30	30	656000	3840.0	CP-OFDM QPSK	78@0	27.811	29.46
77	30	30	656000	3840.0	CP-OFDM 16 QAM	78@0	27.841	29.25
77	30	30	656000	3840.0	CP-OFDM 64 QAM	78@0	27.845	29.65
77	30	30	656000	3840.0	CP-OFDM 256 QAM	78@0	27.858	29.27
77	30	40	656000	3840.0	CP-OFDM QPSK	106@0	37.88	39.72
77	30	40	656000	3840.0	CP-OFDM 16 QAM	106@0	37.886	39.39
77	30	40	656000	3840.0	CP-OFDM 64 QAM	106@0	37.877	39.7
77	30	40	656000	3840.0	CP-OFDM 256 QAM	106@0	37.831	39.67
77	30	50	656000	3840.0	CP-OFDM QPSK	133@0	47.358	49.71
77	30	50	656000	3840.0	CP-OFDM 16 QAM	133@0	47.457	49.42
77	30	50	656000	3840.0	CP-OFDM 64 QAM	133@0	47.437	49.4
77	30	50	656000	3840.0	CP-OFDM 256 QAM	133@0	47.387	49.33
77	30	60	656000	3840.0	CP-OFDM QPSK	162@0	57.735	59.84

77	30	60	656000	3840.0	CP-OFDM 16 QAM	162@0	57.816	59.89
77	30	60	656000	3840.0	CP-OFDM 64 QAM	162@0	57.769	60.04
77	30	60	656000	3840.0	CP-OFDM 256 QAM	162@0	57.805	60.37
77	30	70	656000	3840.0	CP-OFDM QPSK	189@0	67.554	69.55
77	30	70	656000	3840.0	CP-OFDM 16 QAM	189@0	67.47	69.8
77	30	70	656000	3840.0	CP-OFDM 64 QAM	189@0	67.474	69.91
77	30	70	656000	3840.0	CP-OFDM 256 QAM	189@0	67.7	69.78
77	30	80	656000	3840.0	CP-OFDM QPSK	217@0	77.616	80.27
77	30	80	656000	3840.0	CP-OFDM 16 QAM	217@0	77.414	80.2
77	30	80	656000	3840.0	CP-OFDM 64 QAM	217@0	77.566	80.31
77	30	80	656000	3840.0	CP-OFDM 256 QAM	217@0	77.444	80.09
77	30	90	656000	3840.0	CP-OFDM QPSK	245@0	87.73	90.3
77	30	90	656000	3840.0	CP-OFDM 16 QAM	245@0	87.448	90.6
77	30	90	656000	3840.0	CP-OFDM 64 QAM	245@0	87.5	90.31
77	30	90	656000	3840.0	CP-OFDM 256 QAM	245@0	87.385	90.39
77	30	100	656000	3840.0	CP-OFDM QPSK	273@0	97.613	100.7
77	30	100	656000	3840.0	CP-OFDM 16 QAM	273@0	97.362	100.7
77	30	100	656000	3840.0	CP-OFDM 64 QAM	273@0	97.626	100.6
77	30	100	656000	3840.0	CP-OFDM 256 QAM	273@0	97.444	100.7

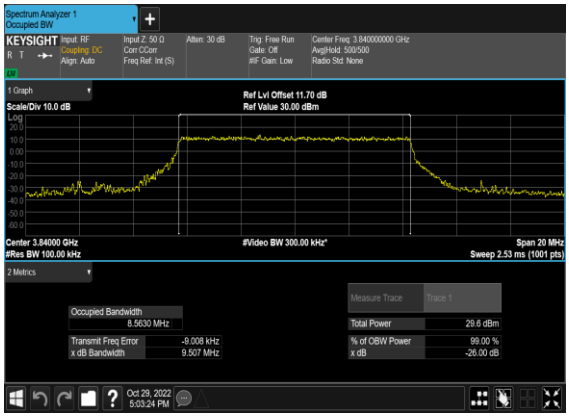
N77(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



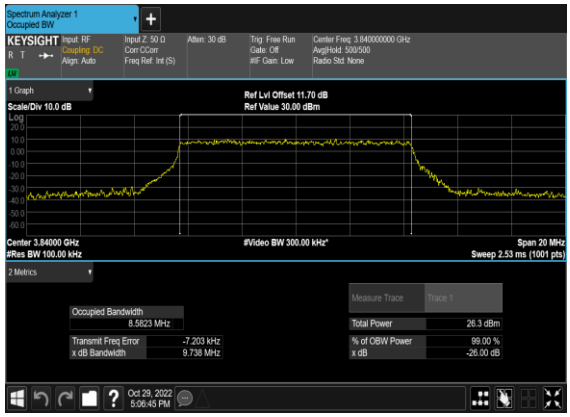
N77(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



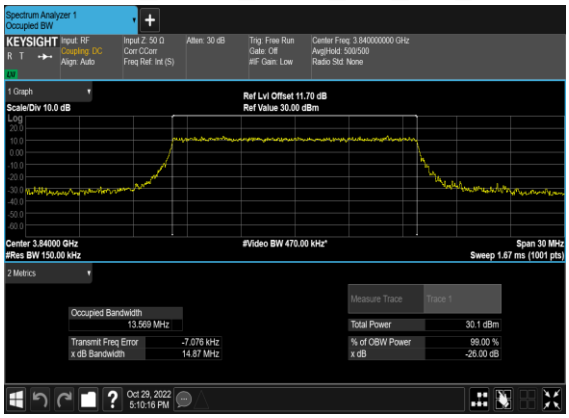
N77(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



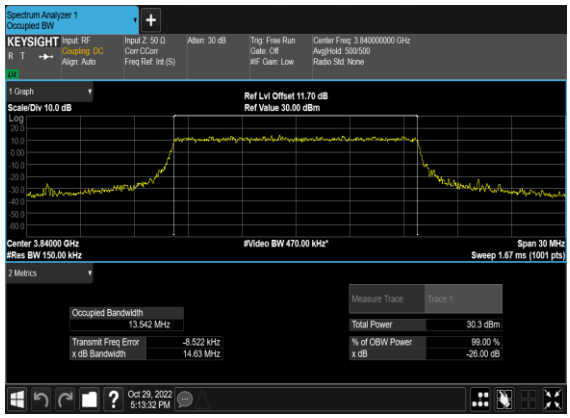
N77(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



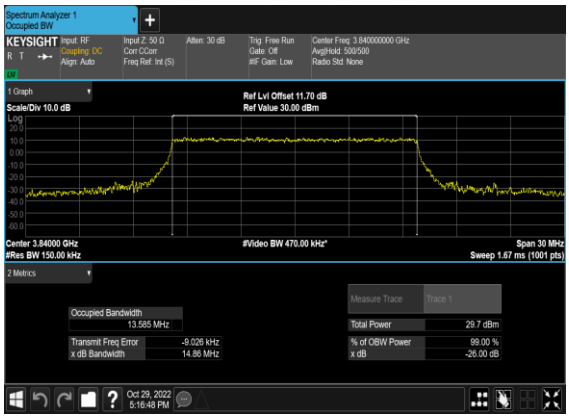
N77(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N77(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

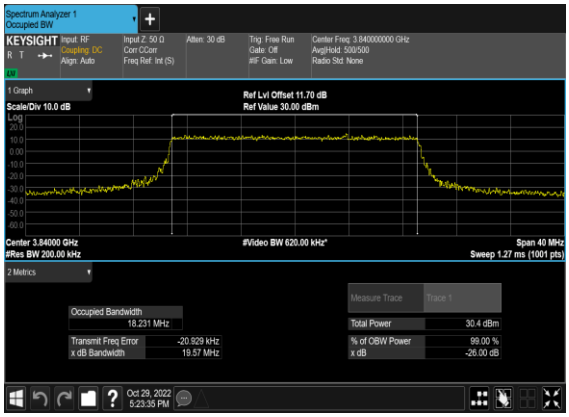


N77(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

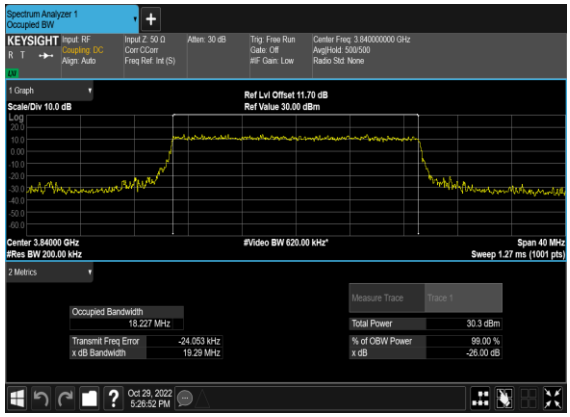


N77(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

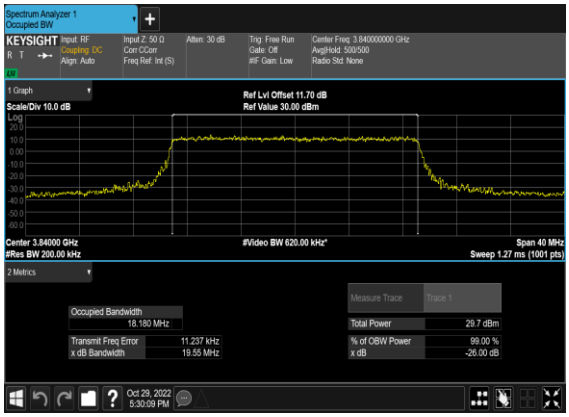
N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



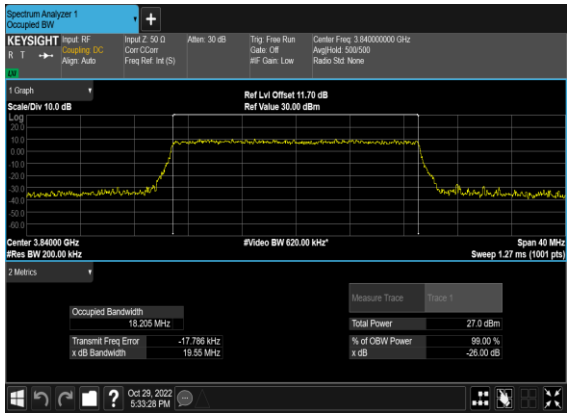
N77(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



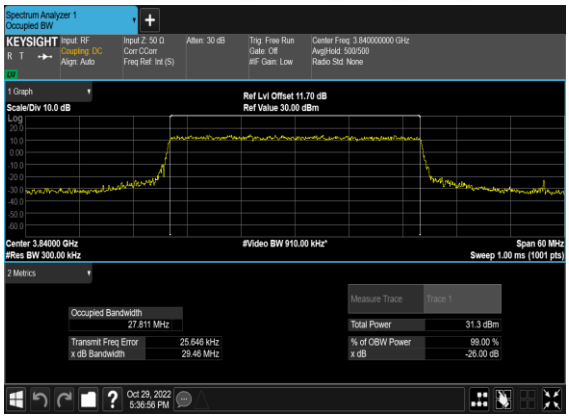
N77(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N77(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

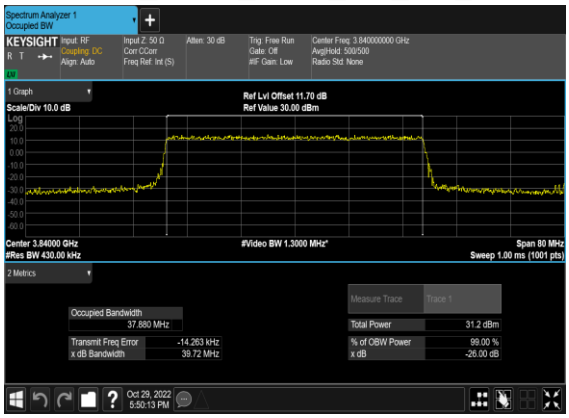


N77(30M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

N77(30M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

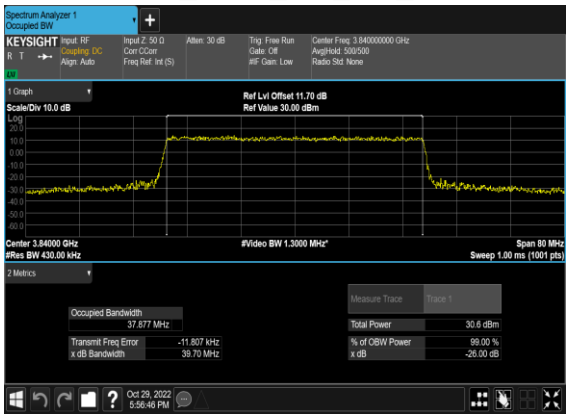
N77(30M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

N77(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

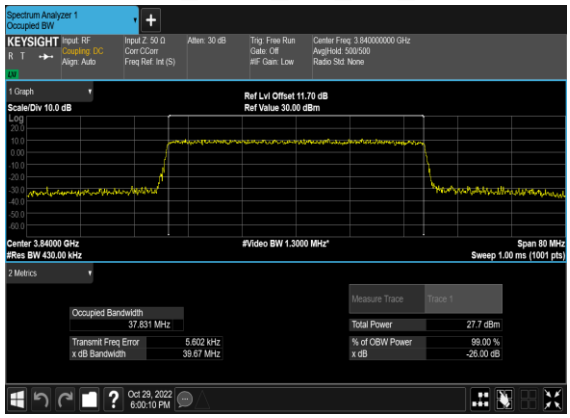


N77(40M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

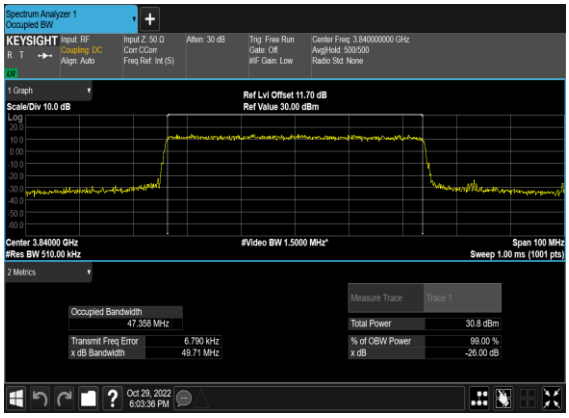
N77(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



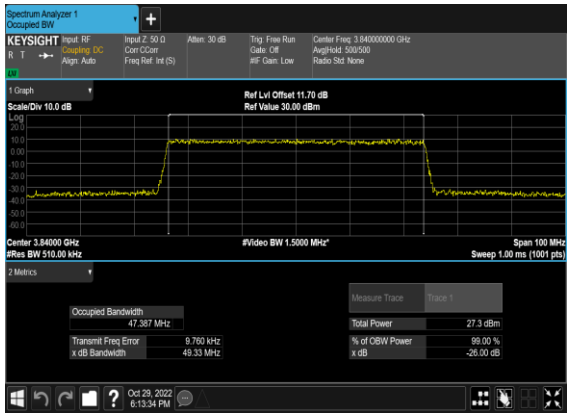
N77(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



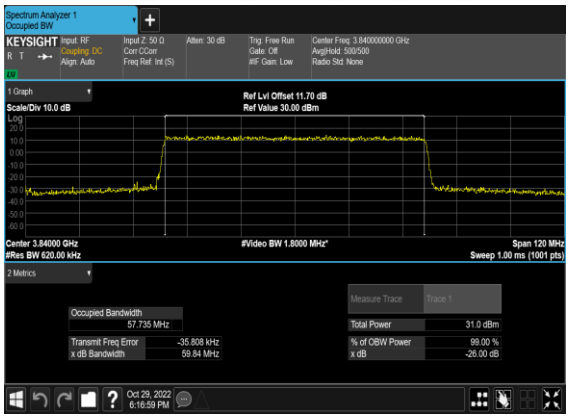
N77(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N77(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

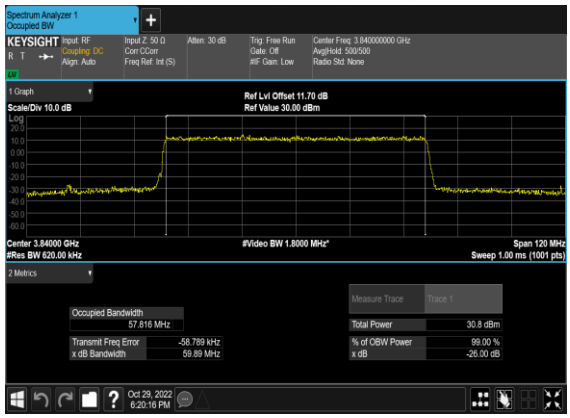
N77(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



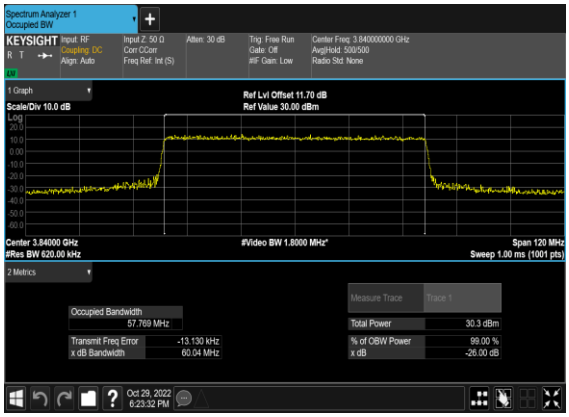
N77(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



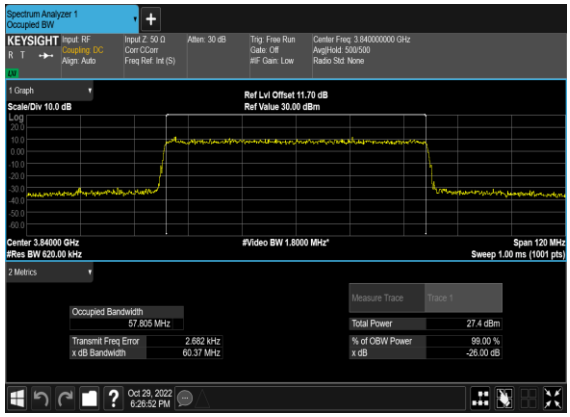
N77(60M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



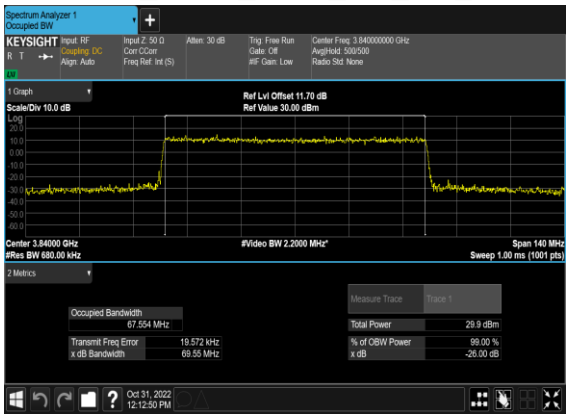
N77(60M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N77(60M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

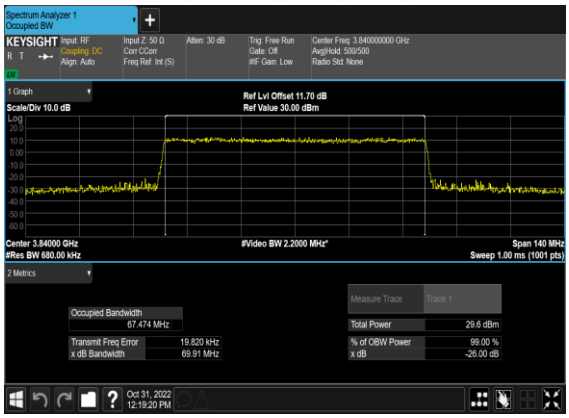


N77(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

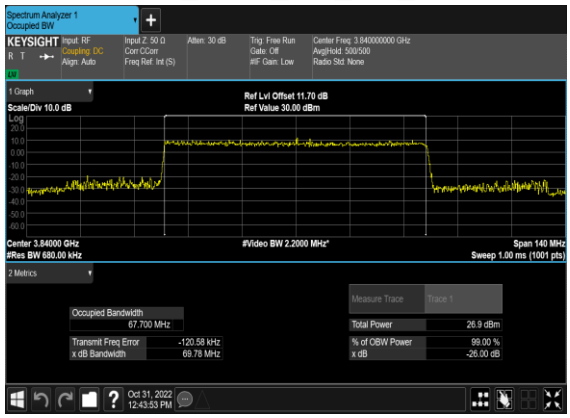


N77(70M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

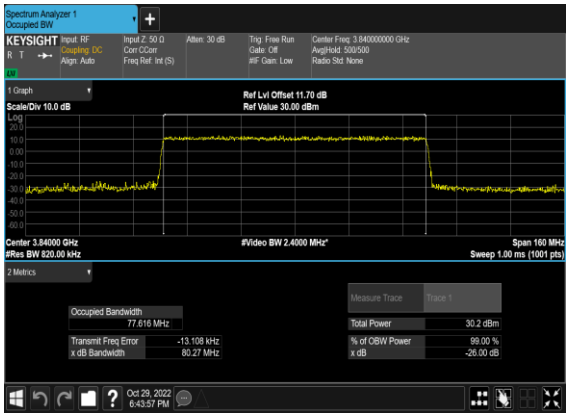
N77(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

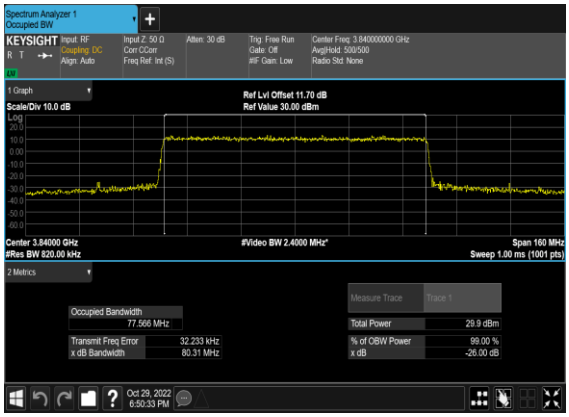


N77(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

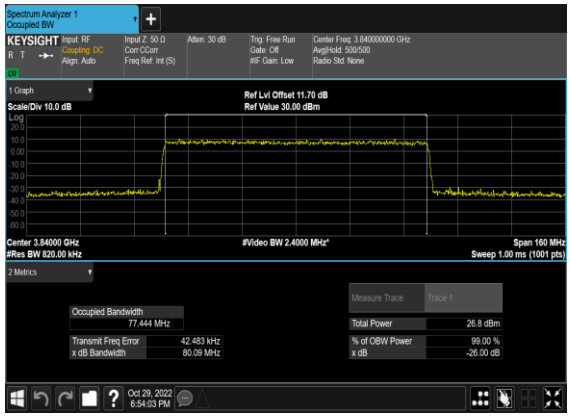


N77(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

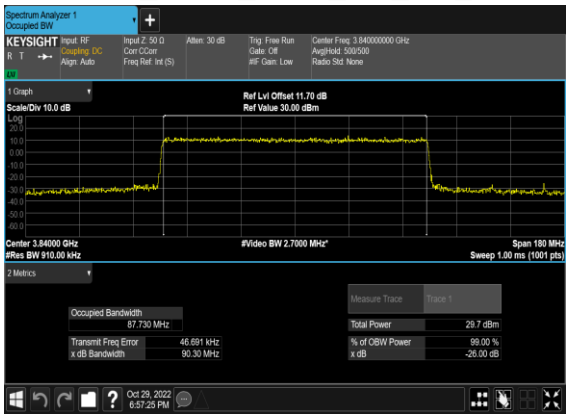
N77(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



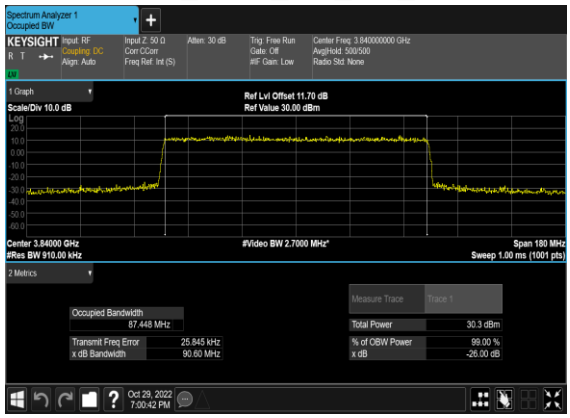
N77(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N77(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

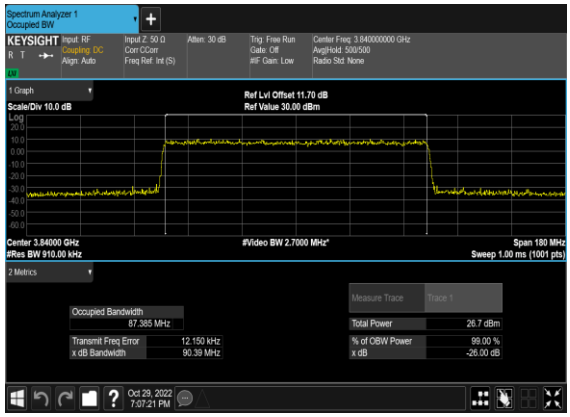


N77(90M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

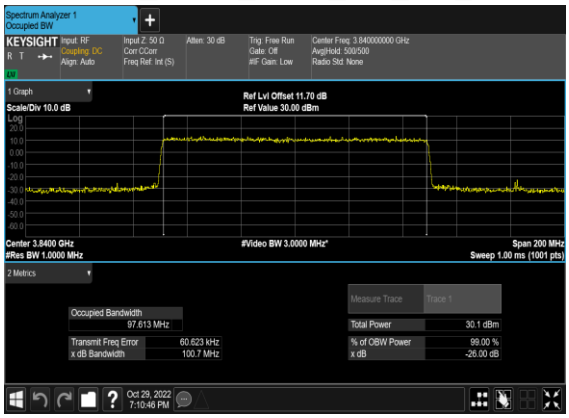


N77(90M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

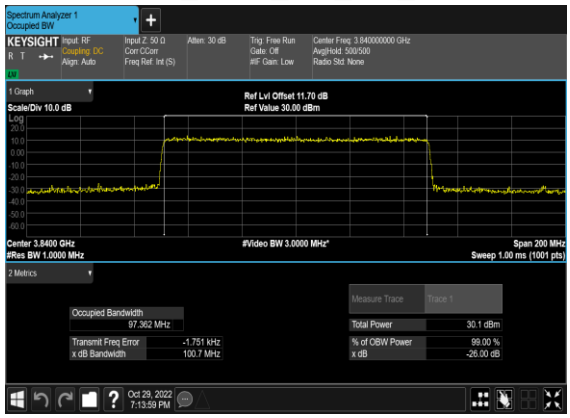
N77(90M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



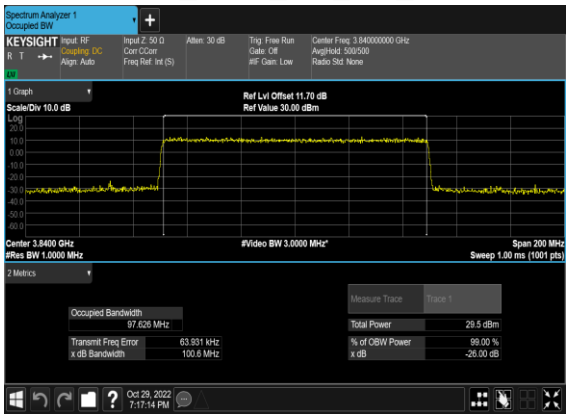
N77(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



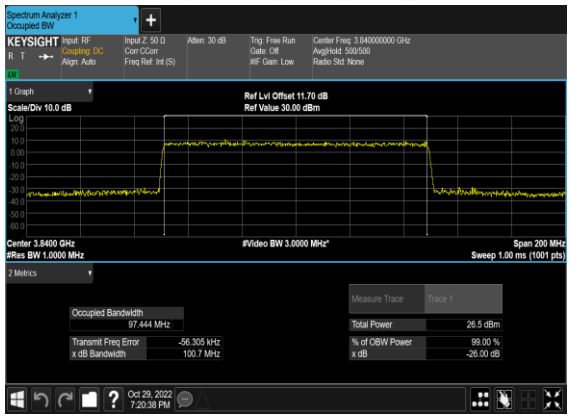
N77(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

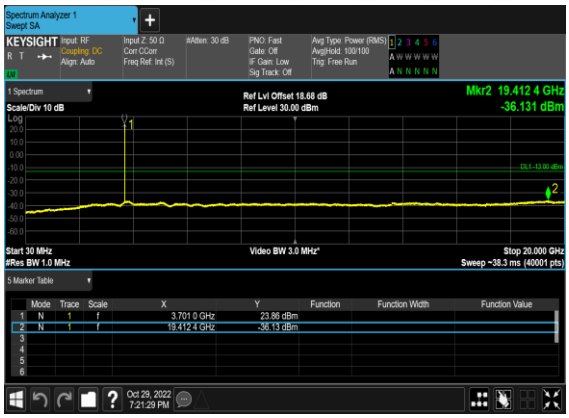


Conducted Spurious Emissions

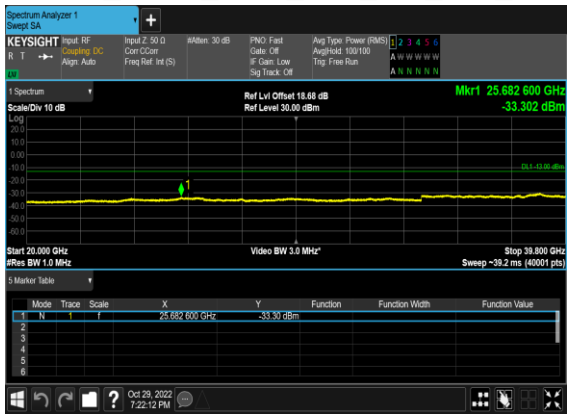
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	647000	3705.0	CP-OFDM QPSK	1@0	see graph	**---**
77	30	10	647000	3705.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	647000	3705.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	656000	3840.0	CP-OFDM QPSK	1@0	see graph	**---**
77	30	10	656000	3840.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	656000	3840.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	665000	3975.0	CP-OFDM QPSK	1@0	see graph	**---**
77	30	10	665000	3975.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	665000	3975.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	**---**
77	30	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	656000	3840.0	CP-OFDM QPSK	1@0	see graph	**---**
77	30	50	656000	3840.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	656000	3840.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	663666	3954.99	CP-OFDM QPSK	1@0	see graph	**---**
77	30	50	663666	3954.99	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	663666	3954.99	CP-OFDM QPSK	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	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	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**

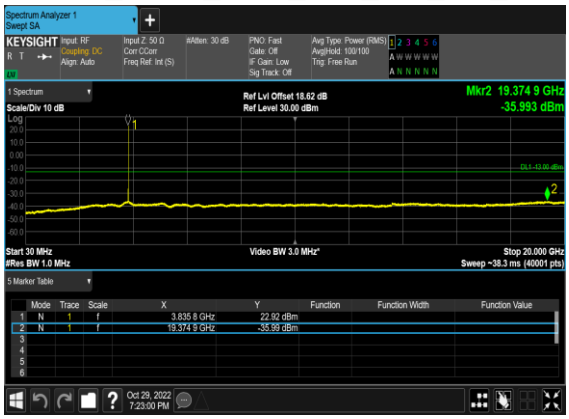
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



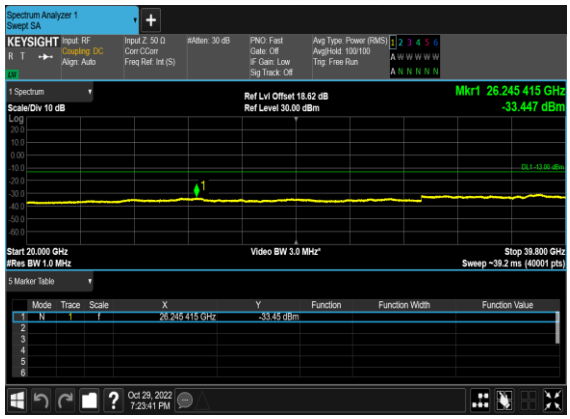
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



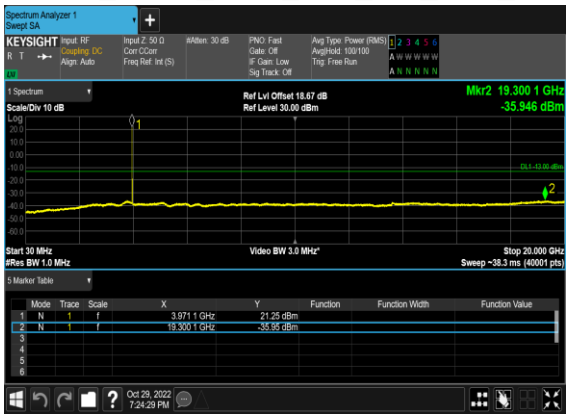
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



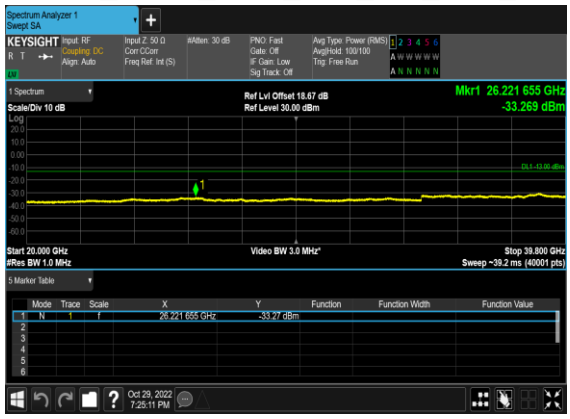
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



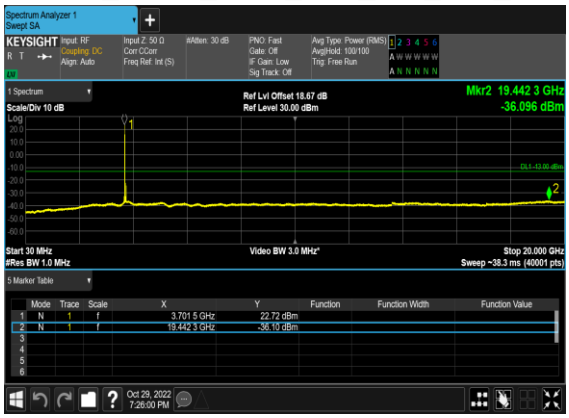
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



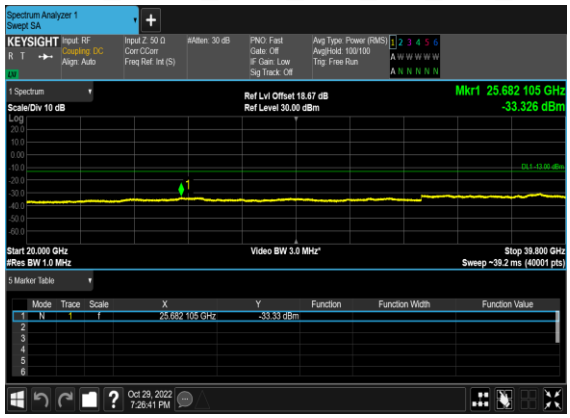
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



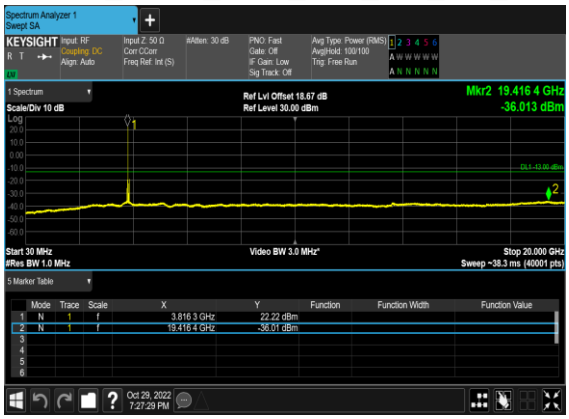
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



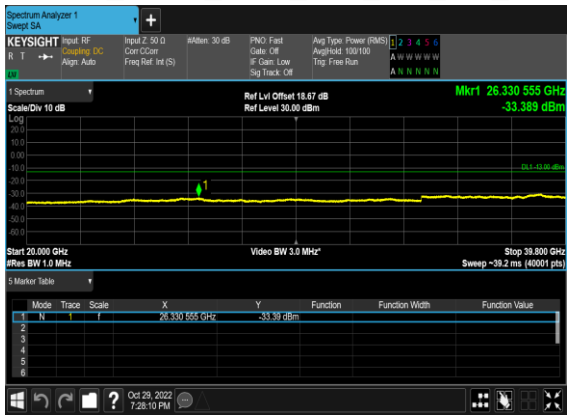
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



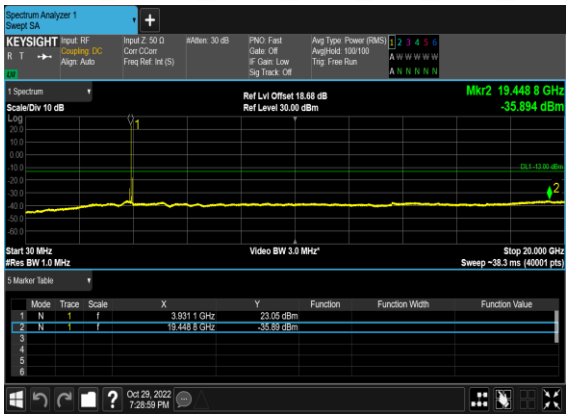
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



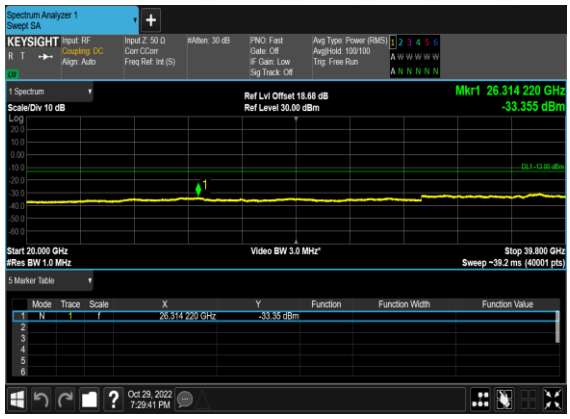
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



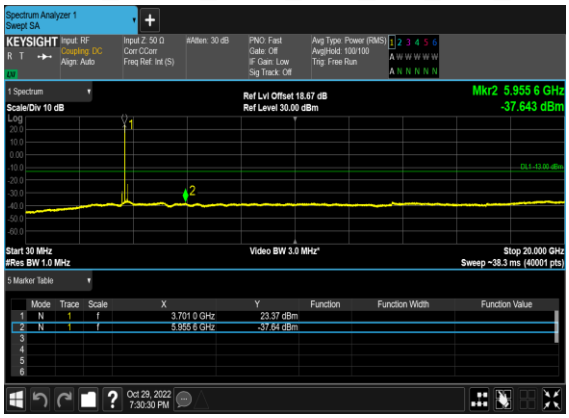
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



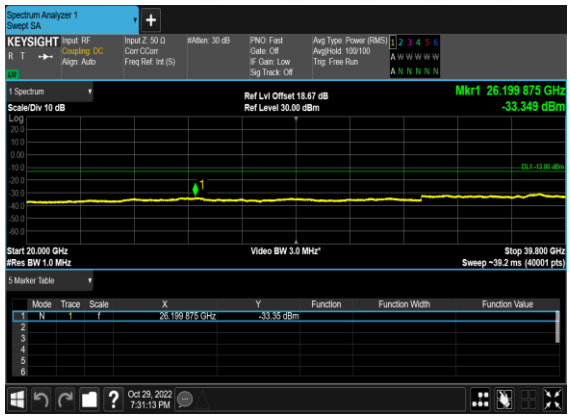
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



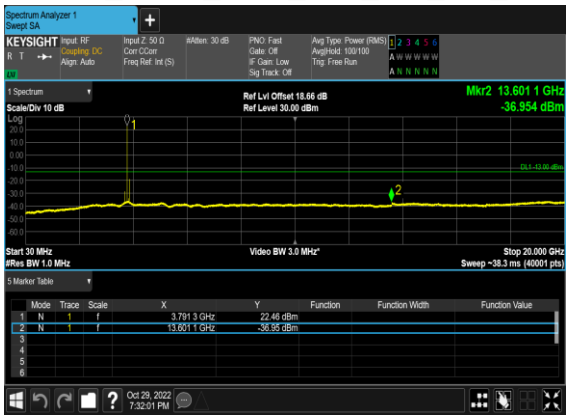
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



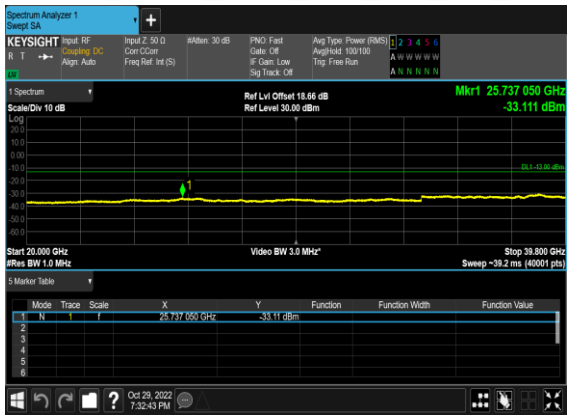
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



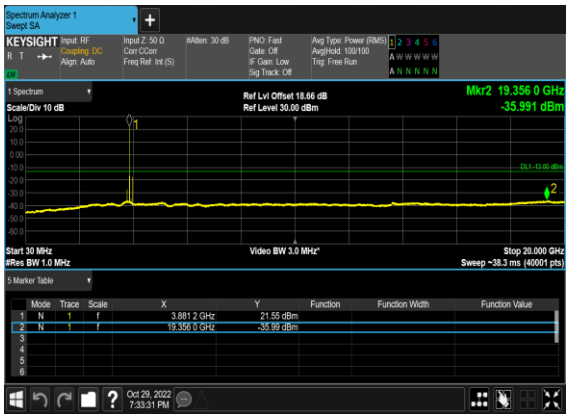
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



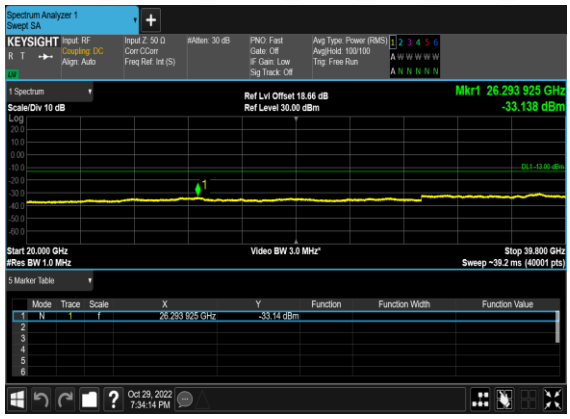
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



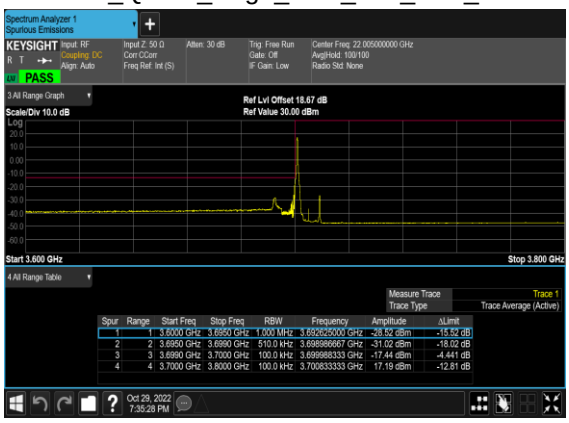
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



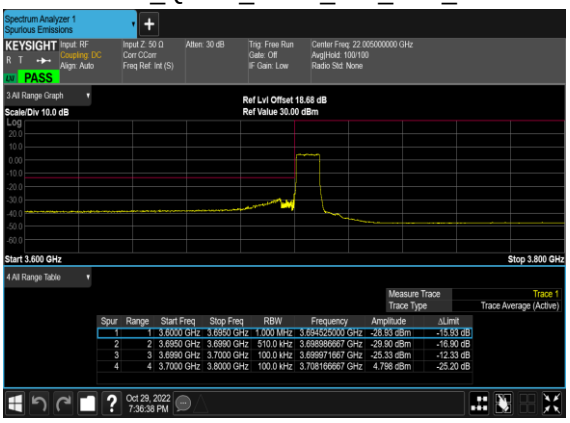
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	647000	3705.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	647000	3705.0	CP-OFDM QPSK	24@0	see graph	**PASS**
77	30	10	665000	3975.0	CP-OFDM QPSK	1@23	see graph	**PASS**
77	30	10	665000	3975.0	CP-OFDM QPSK	24@0	see graph	**PASS**
77	30	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	648334	3725.01	CP-OFDM QPSK	133@0	see graph	**PASS**
77	30	50	663666	3954.99	CP-OFDM QPSK	1@132	see graph	**PASS**
77	30	50	663666	3954.99	CP-OFDM QPSK	133@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 QPSK	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 QPSK	273@0	see graph	**PASS**

N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH

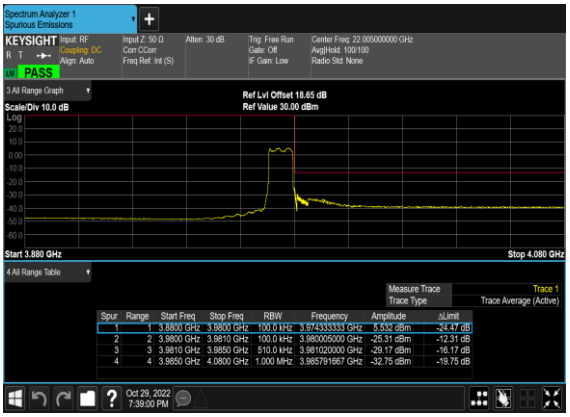


N77(10M)_CP-OFDM_QPSK_Outer_Full_Low_CH

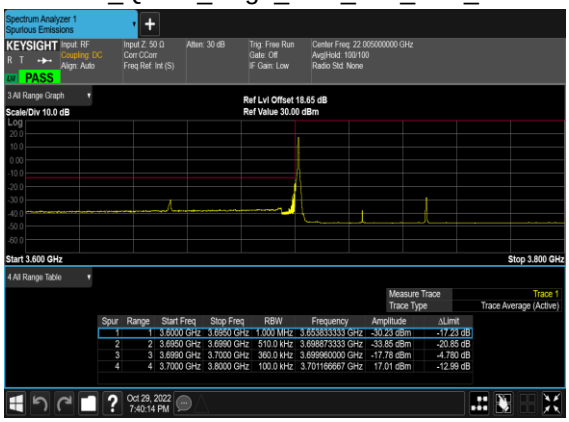
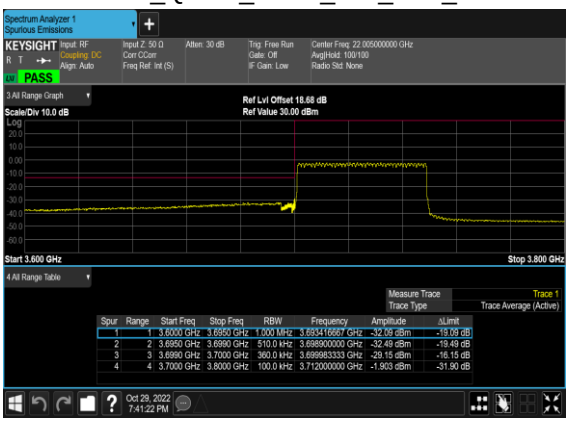


N77(10M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH

N77(10M)_CP-OFDM_QPSK_Outer_Full_High_CH



N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(50M)_CP-OFDM_QPSK_Outer_Full_Low_CH