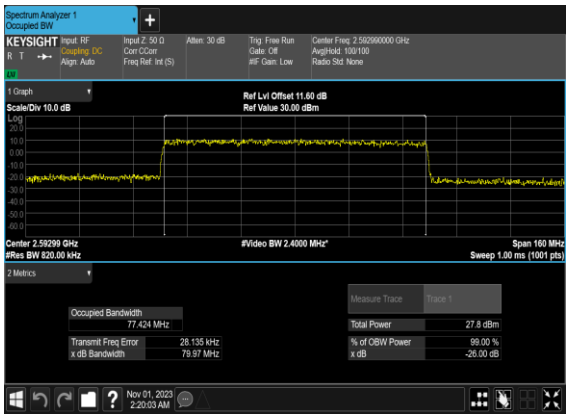
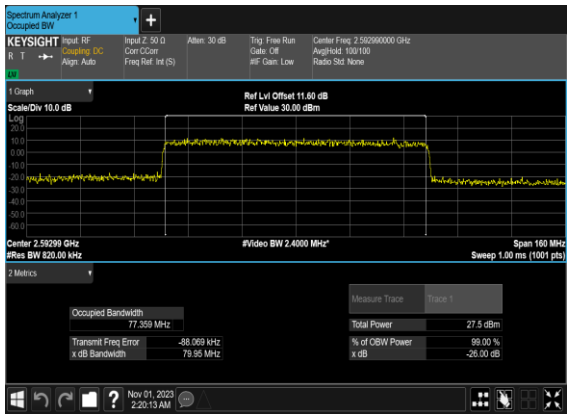
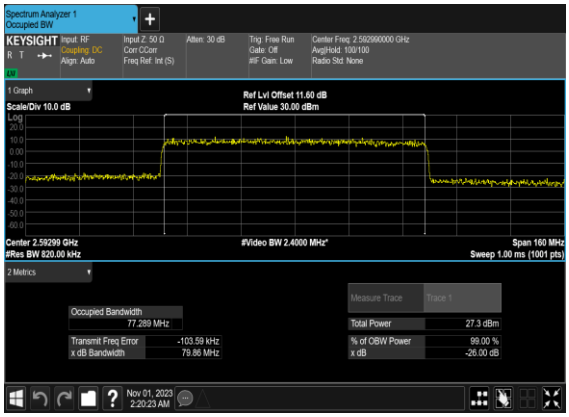
N41(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



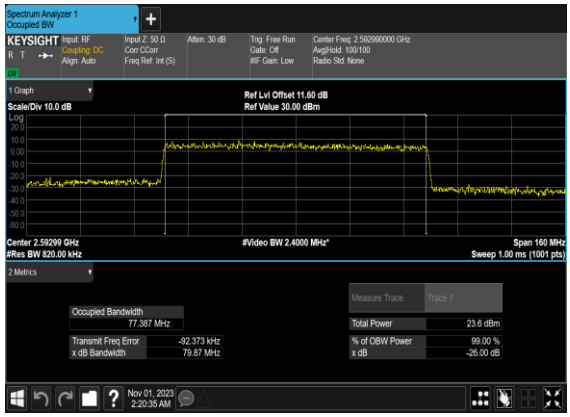
N41(80M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



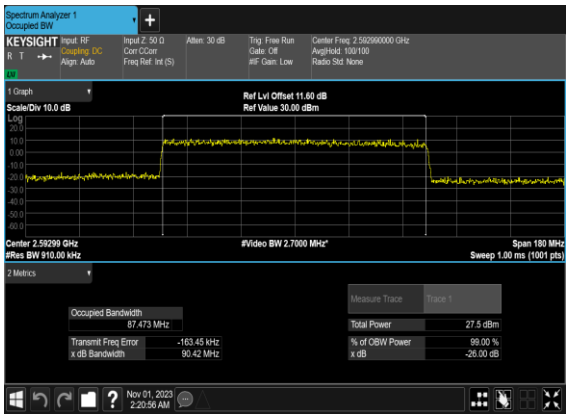
N41(80M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



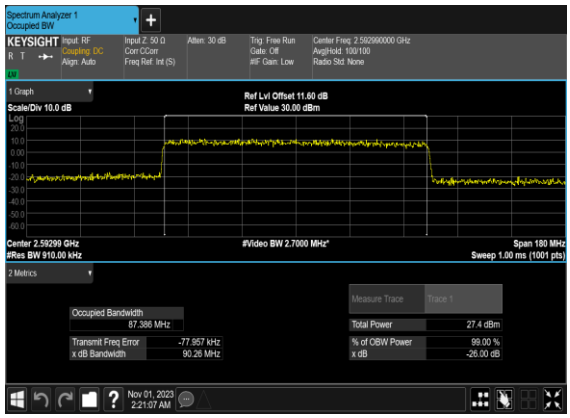
N41(80M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



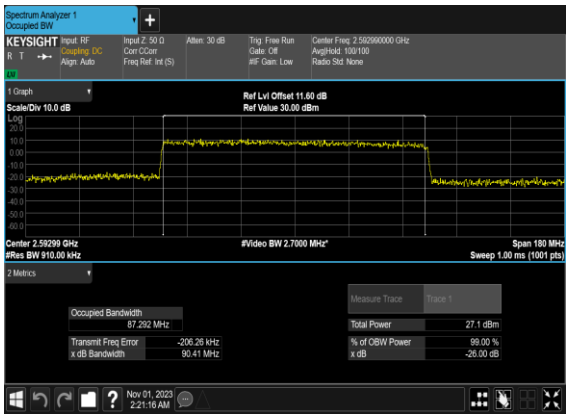
N41(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



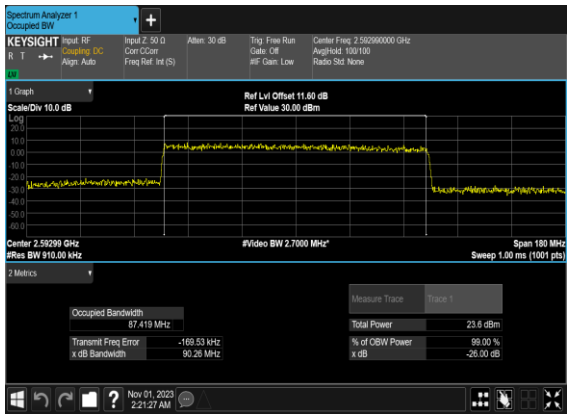
N41(90M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N41(90M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

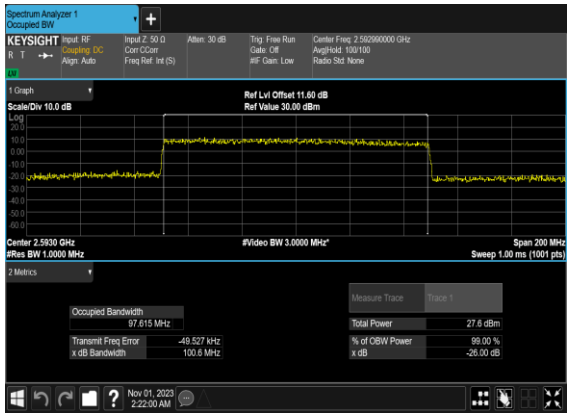


N41(90M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

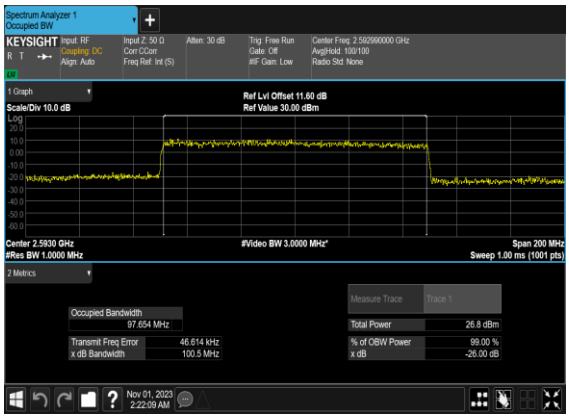


N41(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

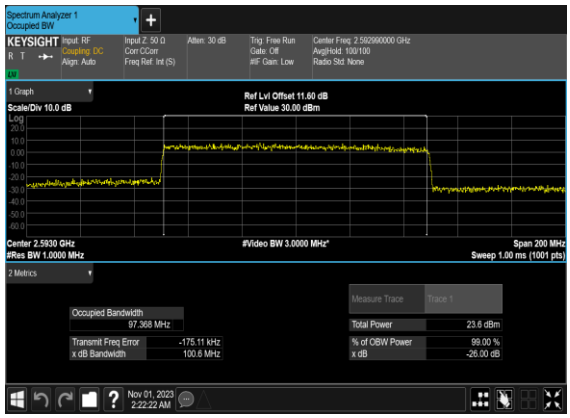
N41(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N41(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



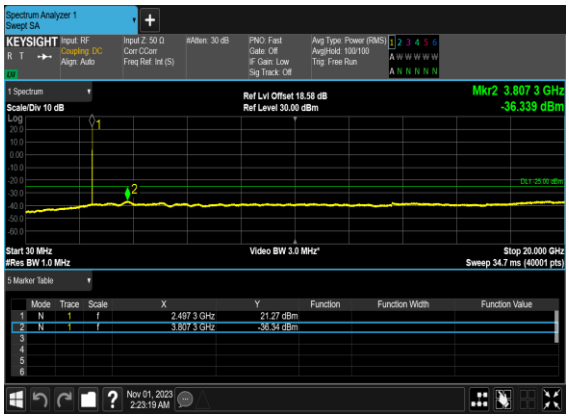
N41(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



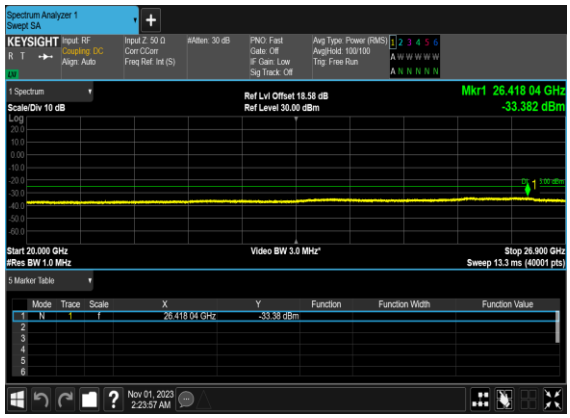
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	10	500202	2501.01	CP-OFDM QPSK	1@0	see graph	**---**
41	30	10	500202	2501.01	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	10	500202	2501.01	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	10	518598	2592.99	CP-OFDM QPSK	1@0	see graph	**---**
41	30	10	518598	2592.99	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	10	518598	2592.99	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	10	537000	2685.0	CP-OFDM QPSK	1@0	see graph	**---**
41	30	10	537000	2685.0	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	10	537000	2685.0	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	50	504204	2521.02	CP-OFDM QPSK	1@0	see graph	**---**
41	30	50	504204	2521.02	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	50	504204	2521.02	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	50	518598	2592.99	CP-OFDM QPSK	1@0	see graph	**---**
41	30	50	518598	2592.99	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	50	518598	2592.99	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	50	532998	2664.99	CP-OFDM QPSK	1@0	see graph	**---**
41	30	50	532998	2664.99	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	50	532998	2664.99	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	100	509202	2546.01	CP-OFDM QPSK	1@0	see graph	**---**
41	30	100	509202	2546.01	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	100	509202	2546.01	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	100	518598	2592.99	CP-OFDM QPSK	1@0	see graph	**---**
41	30	100	518598	2592.99	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	100	518598	2592.99	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	100	528000	2640.0	CP-OFDM QPSK	1@0	see graph	**---**
41	30	100	528000	2640.0	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	100	528000	2640.0	CP-OFDM QPSK	1@0	see graph	**PASS**

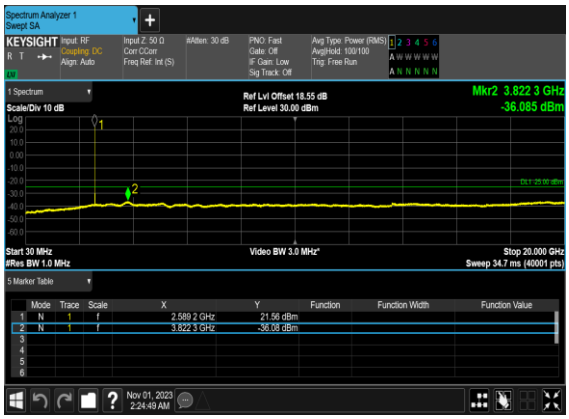
N41(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



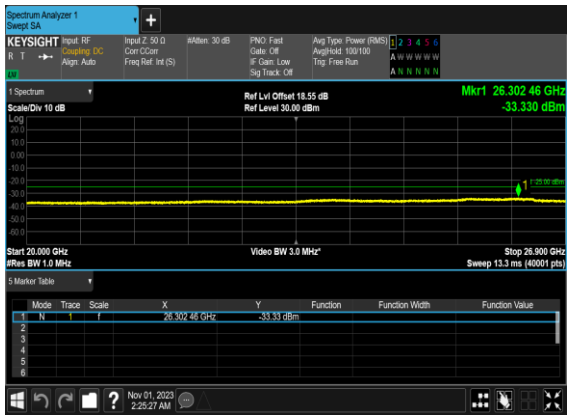
N41(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



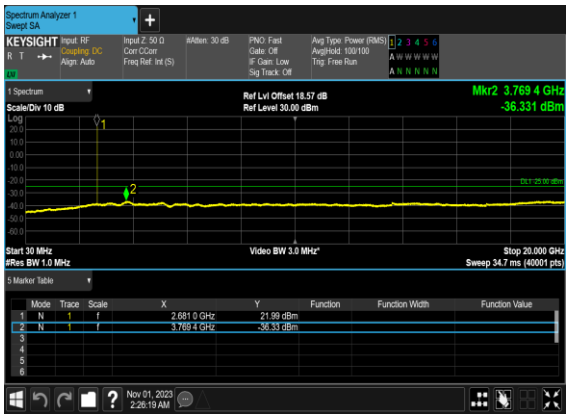
N41(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



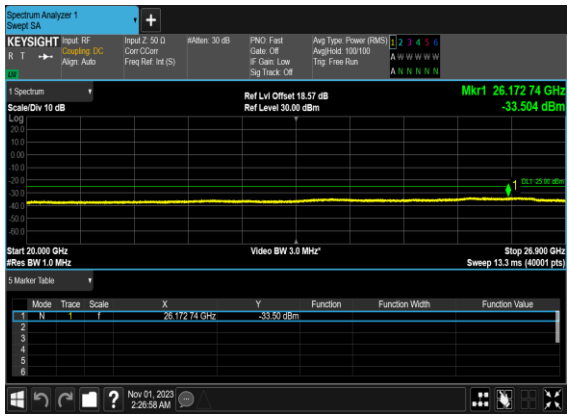
N41(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



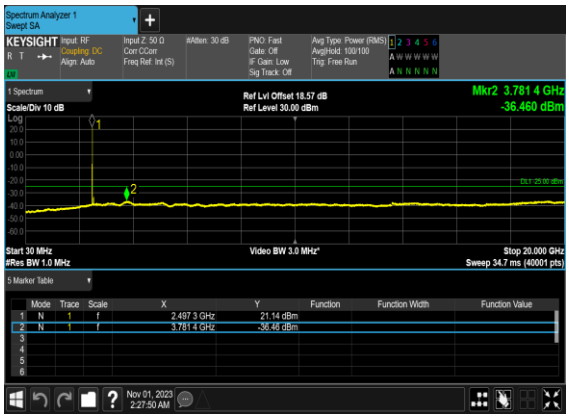
N41(10M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



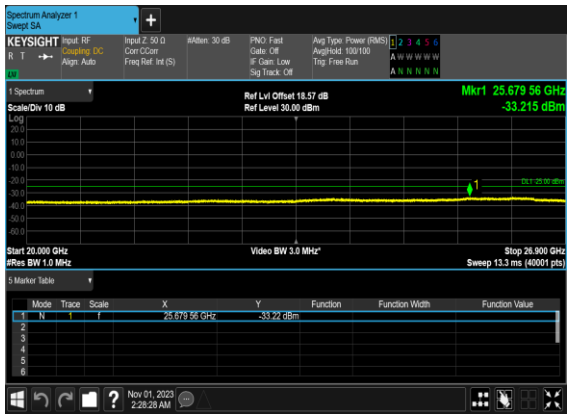
N41(10M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



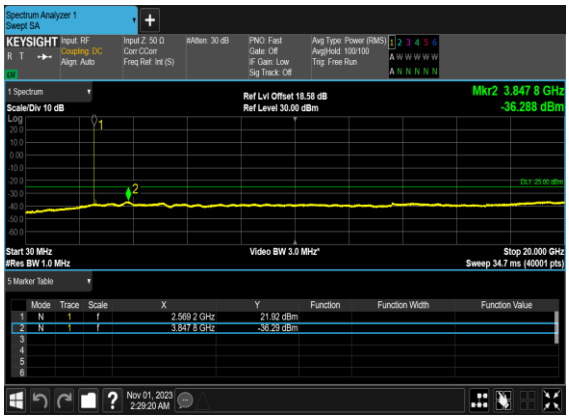
N41(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



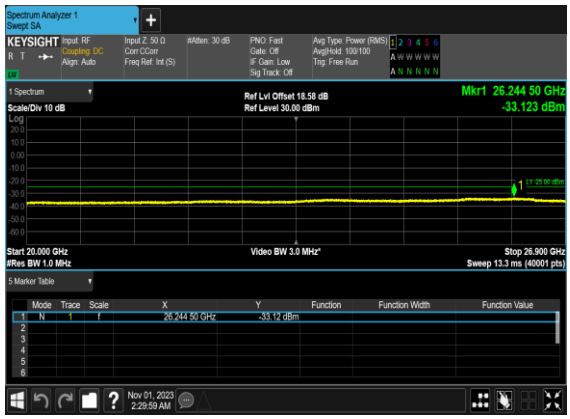
N41(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



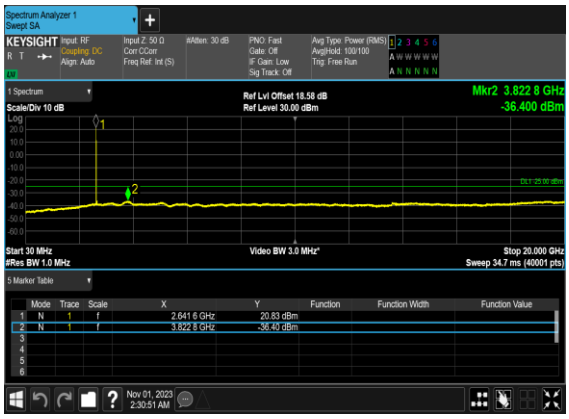
N41(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



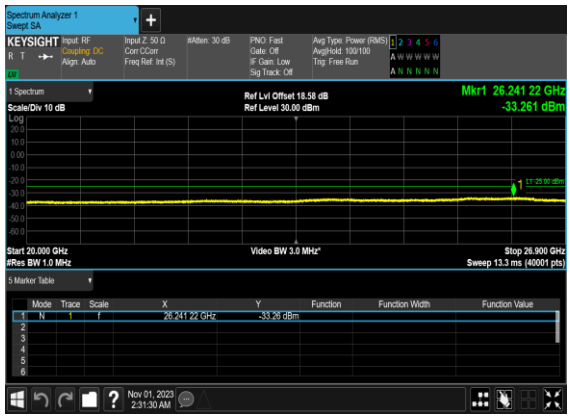
N41(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



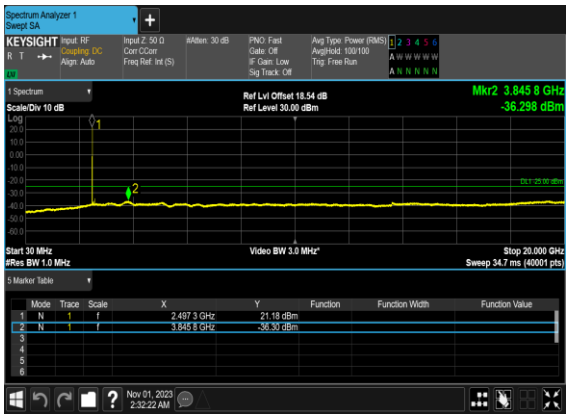
N41(50M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



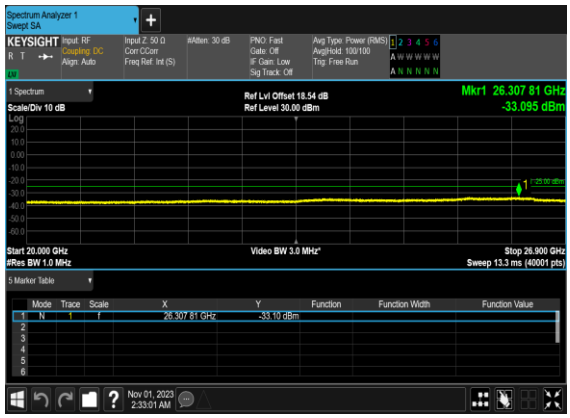
N41(50M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



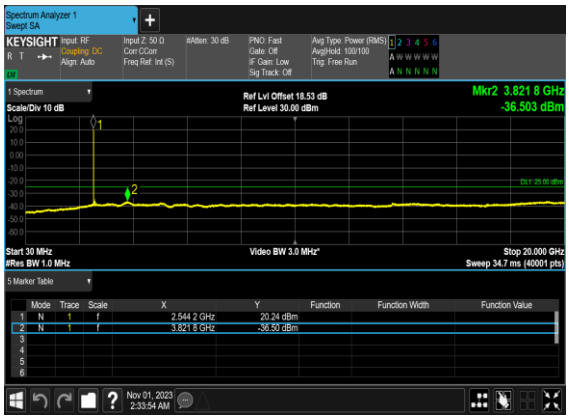
N41(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



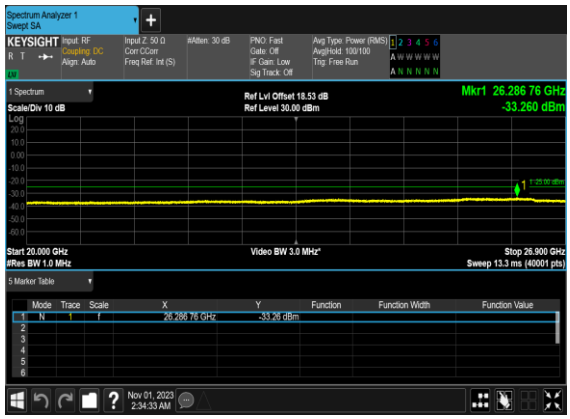
N41(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



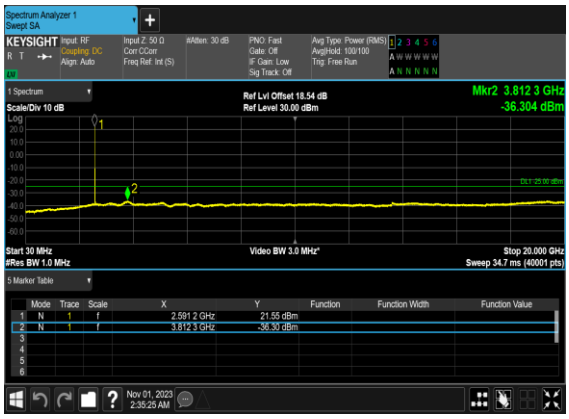
N41(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



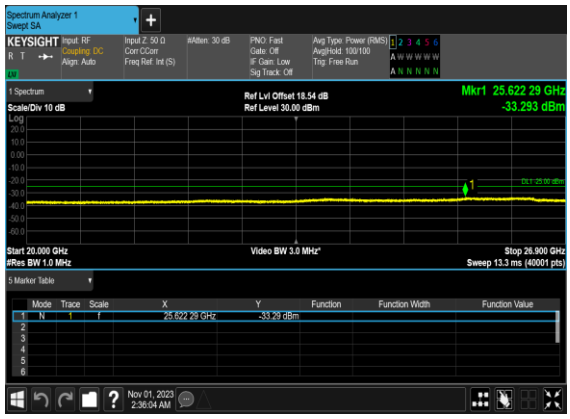
N41(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(100M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



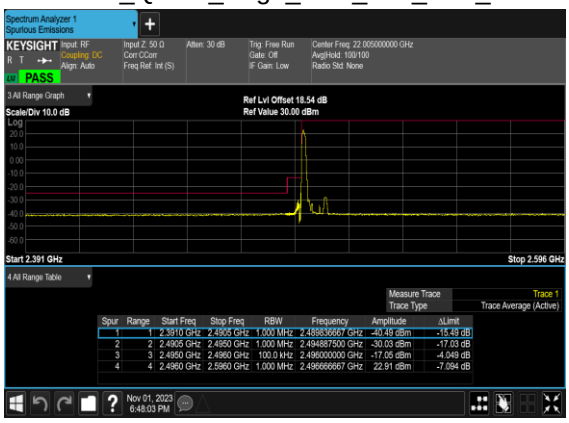
N41(100M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



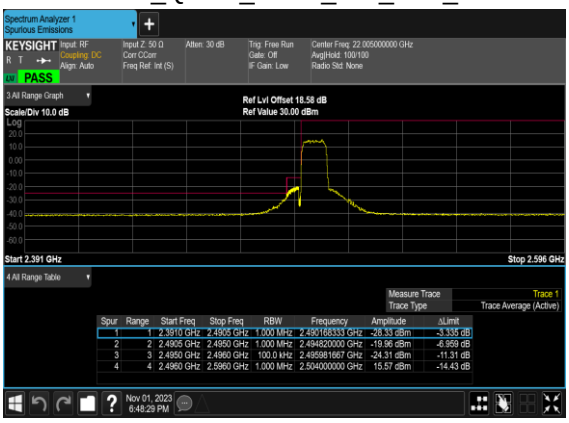
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	10	500202	2501.01	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	10	500202	2501.01	CP-OFDM QPSK	24@0	see graph	**PASS**
41	30	10	537000	2685.0	CP-OFDM QPSK	1@23	see graph	**PASS**
41	30	10	537000	2685.0	CP-OFDM QPSK	24@0	see graph	**PASS**
41	30	50	504204	2521.02	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	50	504204	2521.02	CP-OFDM QPSK	133@0	see graph	**PASS**
41	30	50	532998	2664.99	CP-OFDM QPSK	1@132	see graph	**PASS**
41	30	50	532998	2664.99	CP-OFDM QPSK	133@0	see graph	**PASS**
41	30	100	509202	2546.01	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	100	509202	2546.01	CP-OFDM QPSK	273@0	see graph	**PASS**
41	30	100	528000	2640.0	CP-OFDM QPSK	1@272	see graph	**PASS**
41	30	100	528000	2640.0	CP-OFDM QPSK	273@0	see graph	**PASS**

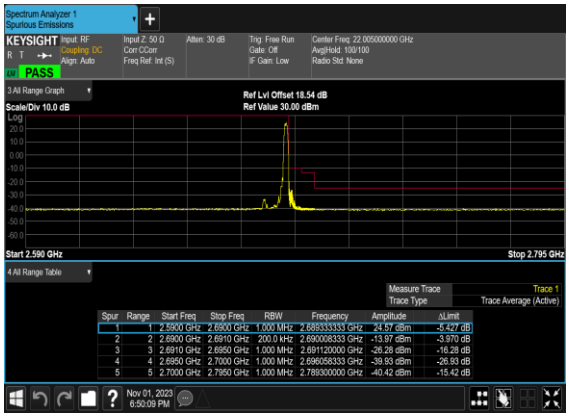
N41(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



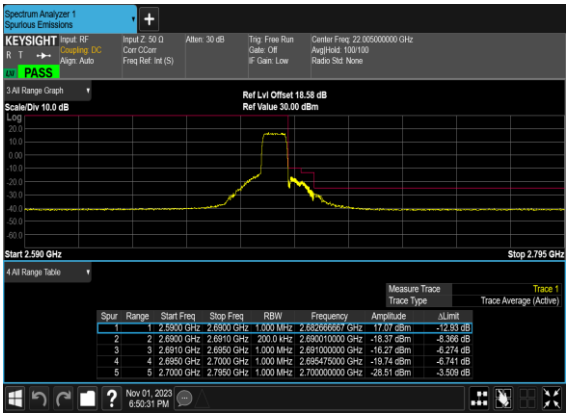
N41(10M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



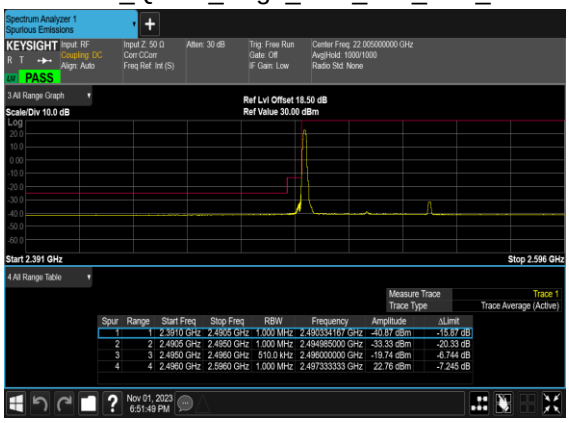
N41(10M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



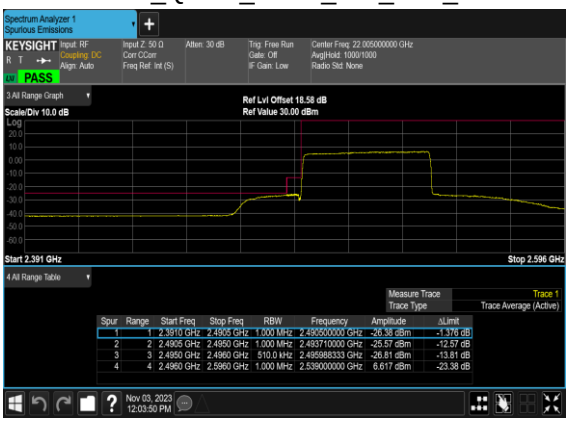
N41(10M)_CP-
OFDM_QPSK_Outer_Full_High_CH



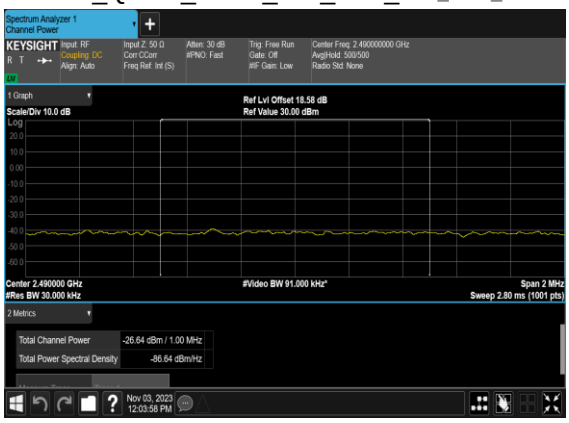
N41(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



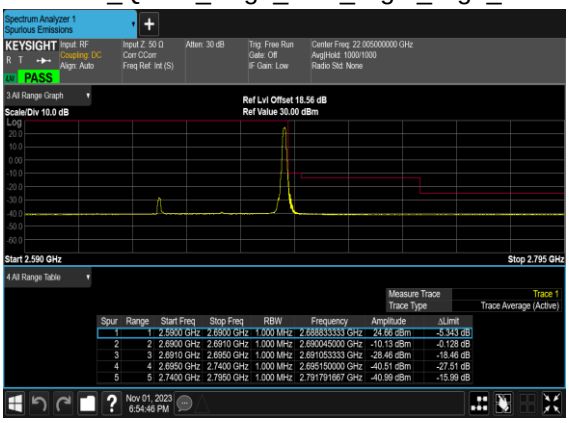
N41(50M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



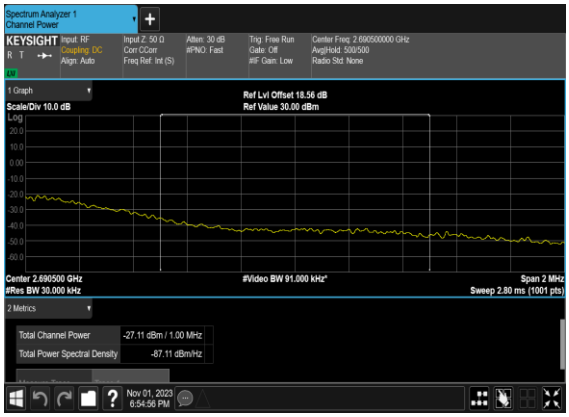
N41(50M)_CP-
OFDM_QPSK_Outer_Full_Low_CH_CHP_PASS



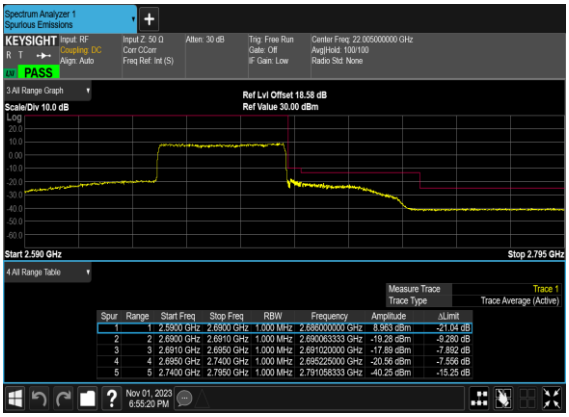
N41(50M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



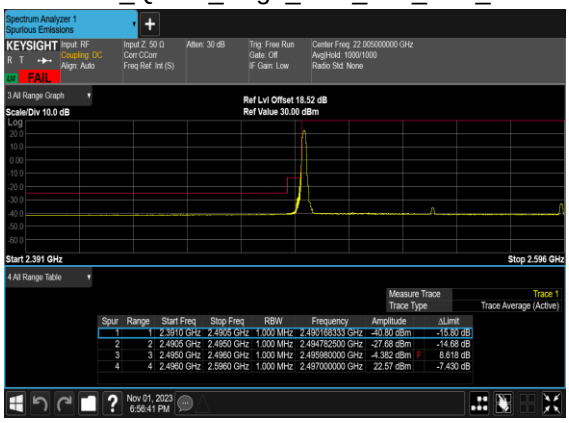
N41(50M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PASS



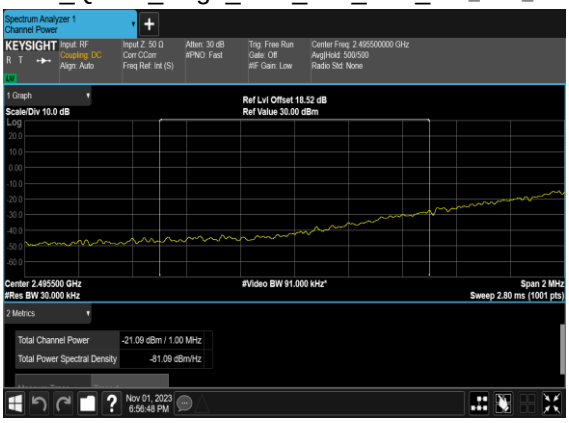
N41(50M)_CP-
OFDM_QPSK_Outer_Full_High_CH



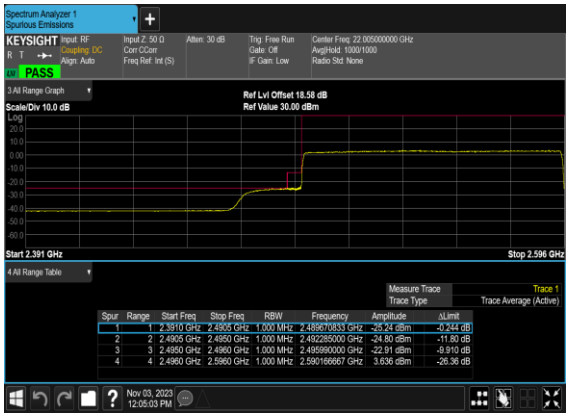
N41(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS



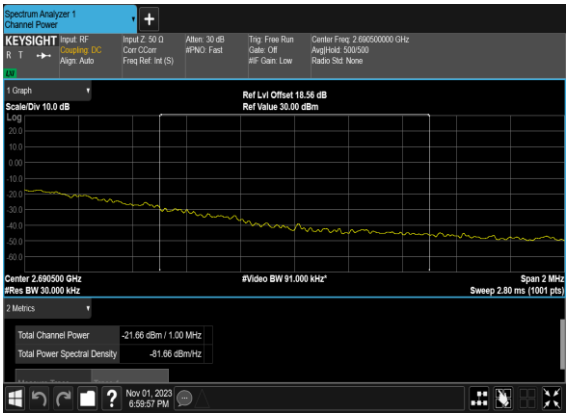
N41(100M)_CP-OFDM_QPSK_Outer_Full_Low_CH



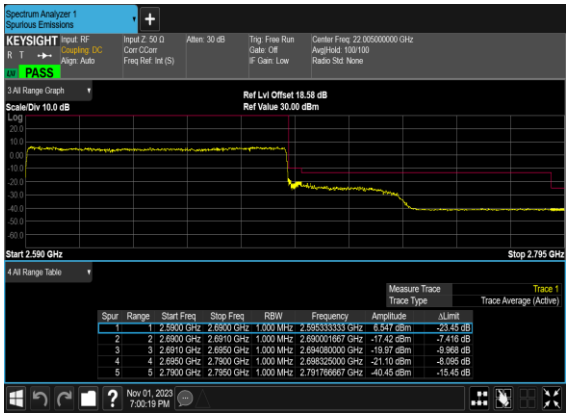
N41(100M)_CP-OFDM_QPSK_Outer_Full_Low_CH_**CHP_FAIL**

N41(100M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH

N41(100M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH_**CHP_PASS**



N41(100M)_CP-OFDM_QPSK_Outer_Full_High_CH



Note “CHP” means channel power integration method.

Software Version: 23.06.1602

FR1 N41 MIMO(ANT8+1)-ANT1

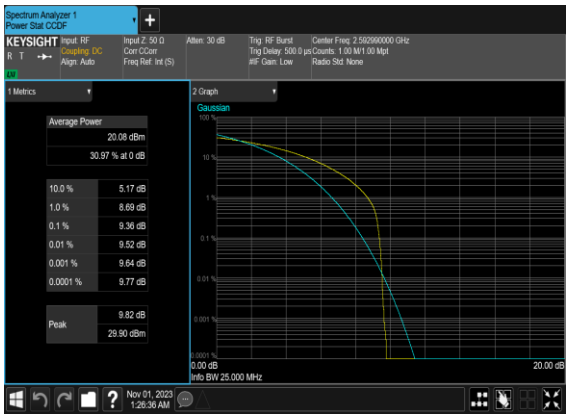
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0033	**PASS**	NV
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0032	**PASS**	LV
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0032	**PASS**	HV
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0032	**PASS**	-10℃
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0041	**PASS**	0℃
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0042	**PASS**	10℃
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0033	**PASS**	20℃
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0034	**PASS**	30℃
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0056	**PASS**	40℃
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0054	**PASS**	50℃

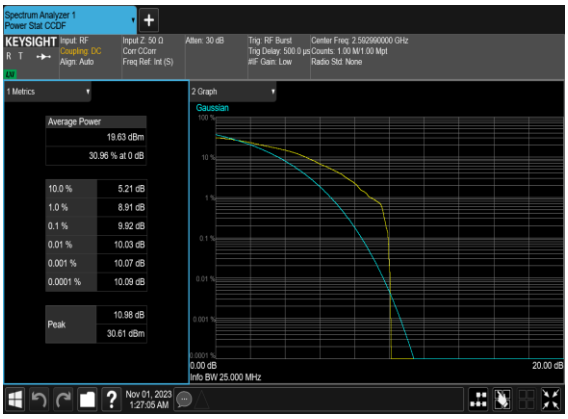
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	9.36	13	**PASS**
41	30	20	518598	2592.99	CP-OFDM QPSK	1@0	9.92	13	**PASS**

N41(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N41(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



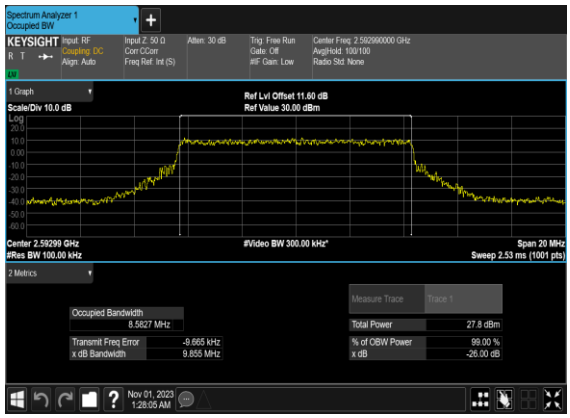
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
41	30	10	518598	2592.99	CP-OFDM QPSK	24@0	8.5892	9.866
41	30	10	518598	2592.99	CP-OFDM 16 QAM	24@0	8.5827	9.855
41	30	10	518598	2592.99	CP-OFDM 64 QAM	24@0	8.5397	9.935
41	30	10	518598	2592.99	CP-OFDM 256 QAM	24@0	8.5641	9.525
41	30	15	518598	2592.99	CP-OFDM QPSK	38@0	13.561	14.59
41	30	15	518598	2592.99	CP-OFDM 16 QAM	38@0	13.586	14.45
41	30	15	518598	2592.99	CP-OFDM 64 QAM	38@0	13.588	14.29
41	30	15	518598	2592.99	CP-OFDM 256 QAM	38@0	13.598	14.92
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	18.224	19.61
41	30	20	518598	2592.99	CP-OFDM 16 QAM	51@0	18.233	19.41
41	30	20	518598	2592.99	CP-OFDM 64 QAM	51@0	18.192	19.5
41	30	20	518598	2592.99	CP-OFDM 256 QAM	51@0	18.178	19.46
41	30	25	518598	2592.99	CP-OFDM QPSK	65@0	23.164	24.6
41	30	25	518598	2592.99	CP-OFDM 16 QAM	65@0	23.177	24.63
41	30	25	518598	2592.99	CP-OFDM 64 QAM	65@0	23.156	24.66
41	30	25	518598	2592.99	CP-OFDM 256 QAM	65@0	23.22	24.74
41	30	30	518598	2592.99	CP-OFDM QPSK	78@0	27.918	29.03
41	30	30	518598	2592.99	CP-OFDM 16 QAM	78@0	27.831	29.22
41	30	30	518598	2592.99	CP-OFDM 64 QAM	78@0	27.76	29.06
41	30	30	518598	2592.99	CP-OFDM 256 QAM	78@0	27.836	28.88
41	30	40	518598	2592.99	CP-OFDM QPSK	106@0	37.812	39.27
41	30	40	518598	2592.99	CP-OFDM 16 QAM	106@0	37.869	39.52
41	30	40	518598	2592.99	CP-OFDM 64 QAM	106@0	37.677	39.3
41	30	40	518598	2592.99	CP-OFDM 256 QAM	106@0	37.899	39.09
41	30	50	518598	2592.99	CP-OFDM QPSK	133@0	47.335	49.18

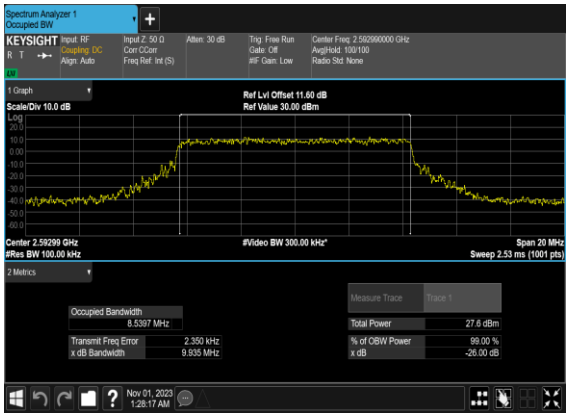
41	30	50	518598	2592.99	CP-OFDM 16 QAM	133@0	47.515	49.24
41	30	50	518598	2592.99	CP-OFDM 64 QAM	133@0	47.428	49.05
41	30	50	518598	2592.99	CP-OFDM 256 QAM	133@0	47.601	49.57
41	30	60	518598	2592.99	CP-OFDM QPSK	162@0	57.772	60.08
41	30	60	518598	2592.99	CP-OFDM 16 QAM	162@0	57.836	60.06
41	30	60	518598	2592.99	CP-OFDM 64 QAM	162@0	57.741	59.63
41	30	60	518598	2592.99	CP-OFDM 256 QAM	162@0	57.935	59.84
41	30	70	518598	2592.99	CP-OFDM QPSK	189@0	67.549	69.68
41	30	70	518598	2592.99	CP-OFDM 16 QAM	189@0	67.727	69.51
41	30	70	518598	2592.99	CP-OFDM 64 QAM	189@0	67.419	69.55
41	30	70	518598	2592.99	CP-OFDM 256 QAM	189@0	67.417	69.59
41	30	80	518598	2592.99	CP-OFDM QPSK	217@0	77.566	79.85
41	30	80	518598	2592.99	CP-OFDM 16 QAM	217@0	77.532	79.99
41	30	80	518598	2592.99	CP-OFDM 64 QAM	217@0	77.512	79.97
41	30	80	518598	2592.99	CP-OFDM 256 QAM	217@0	77.731	80.04
41	30	90	518598	2592.99	CP-OFDM QPSK	245@0	87.549	90.38
41	30	90	518598	2592.99	CP-OFDM 16 QAM	245@0	87.477	90.17
41	30	90	518598	2592.99	CP-OFDM 64 QAM	245@0	87.753	90.38
41	30	90	518598	2592.99	CP-OFDM 256 QAM	245@0	87.651	90.26
41	30	100	518598	2592.99	CP-OFDM QPSK	273@0	97.746	100.5
41	30	100	518598	2592.99	CP-OFDM 16 QAM	273@0	97.709	100.5
41	30	100	518598	2592.99	CP-OFDM 64 QAM	273@0	97.564	100.5
41	30	100	518598	2592.99	CP-OFDM 256 QAM	273@0	97.548	100.6

N41(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

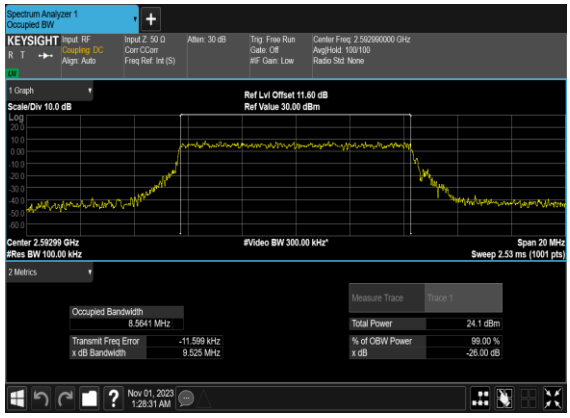
N41(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



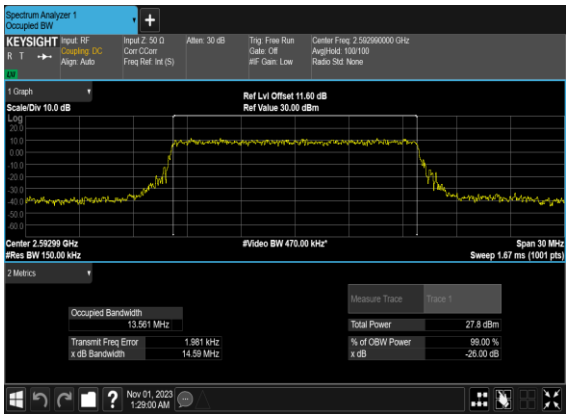
N41(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



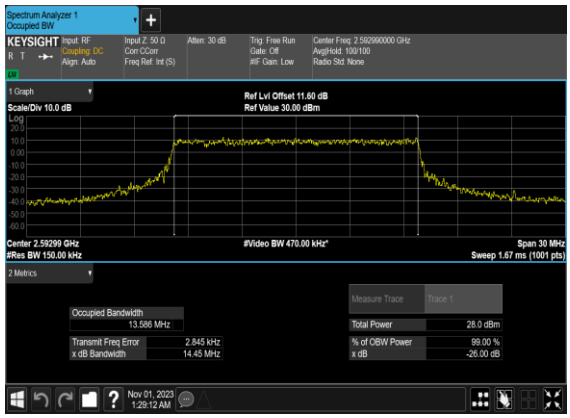
N41(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



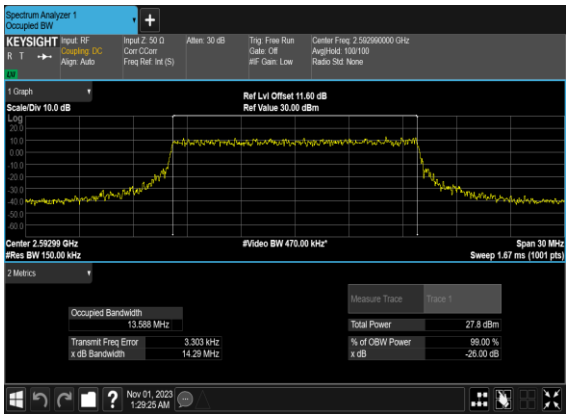
N41(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N41(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N41(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



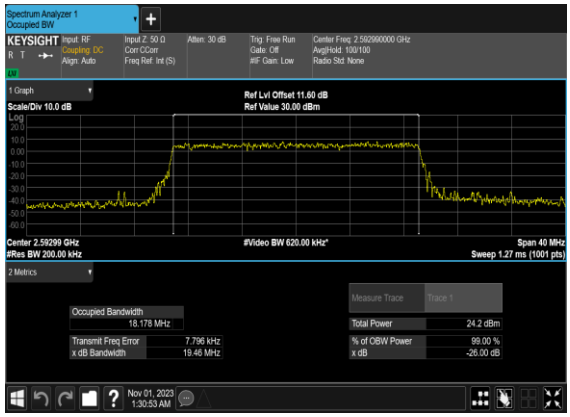
N41(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N41(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

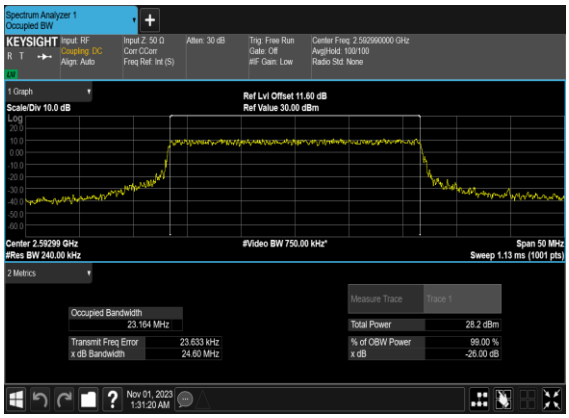
N41(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N41(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

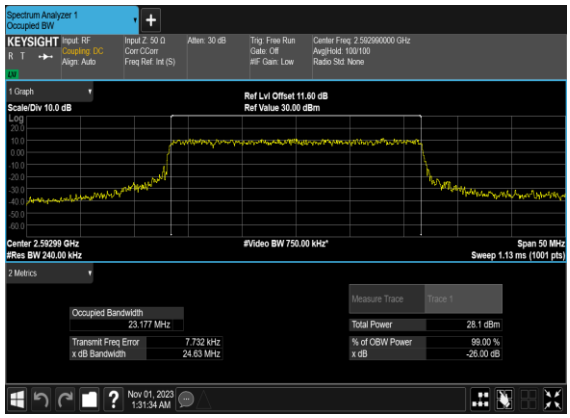
N41(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N41(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



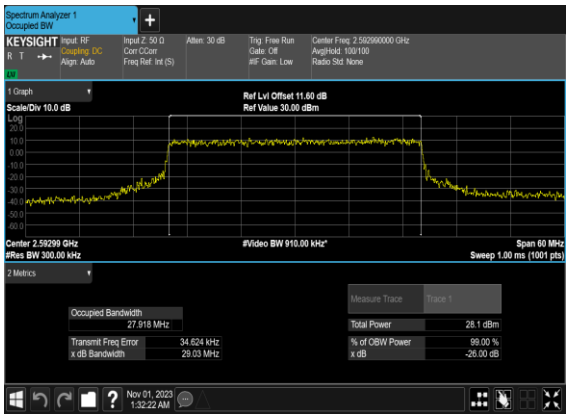
N41(25M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N41(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N41(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N41(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



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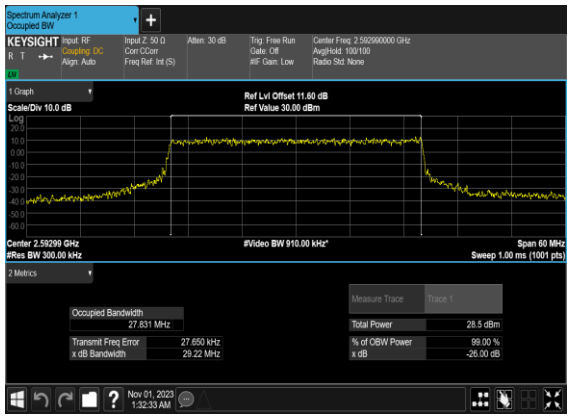
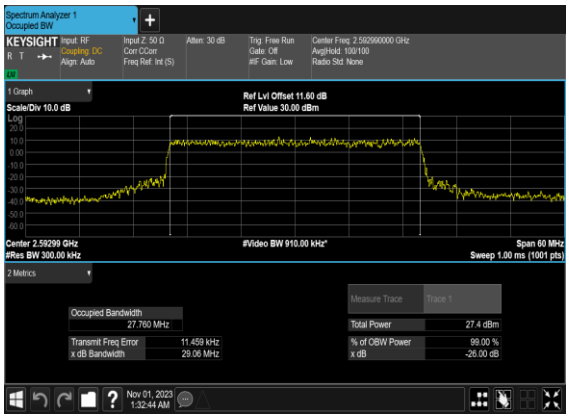
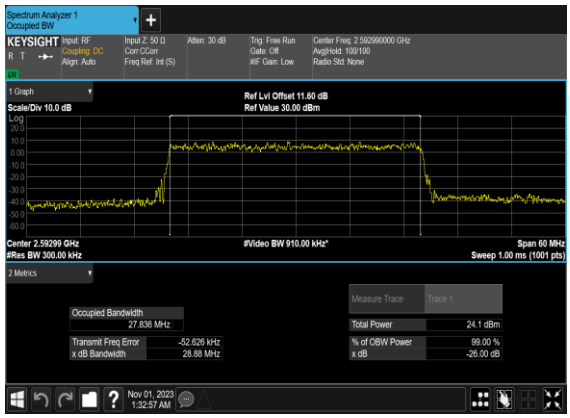


N41(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

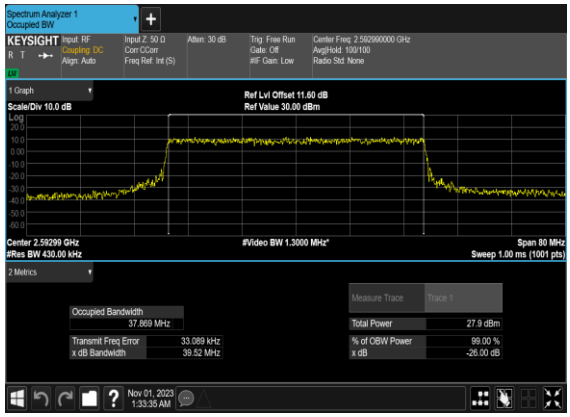


N41(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

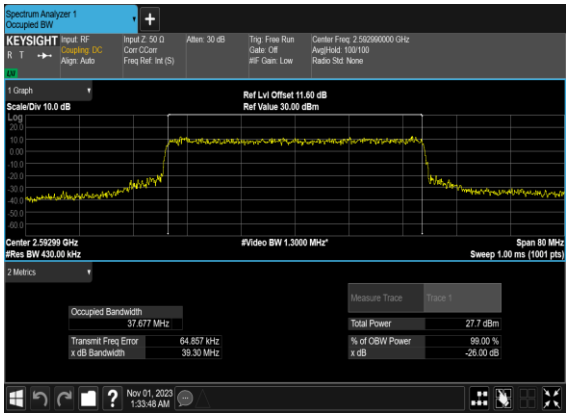


N41(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

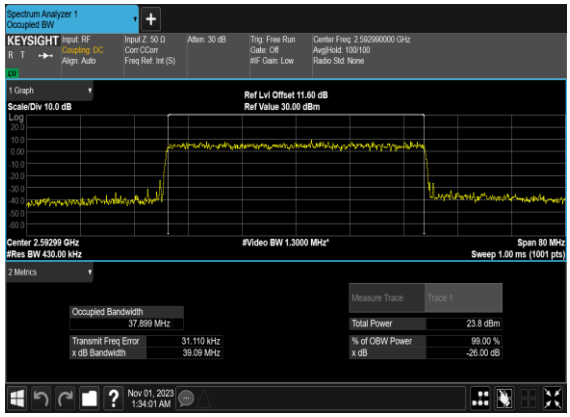
N41(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



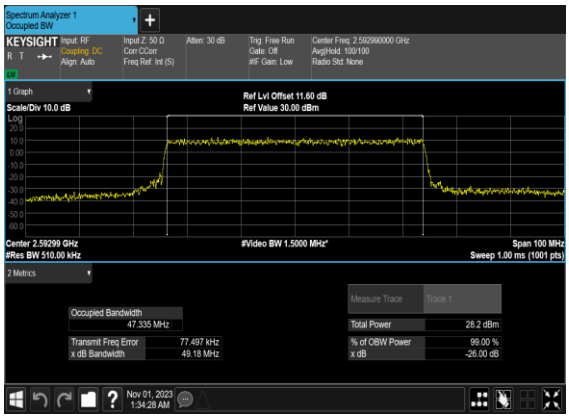
N41(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



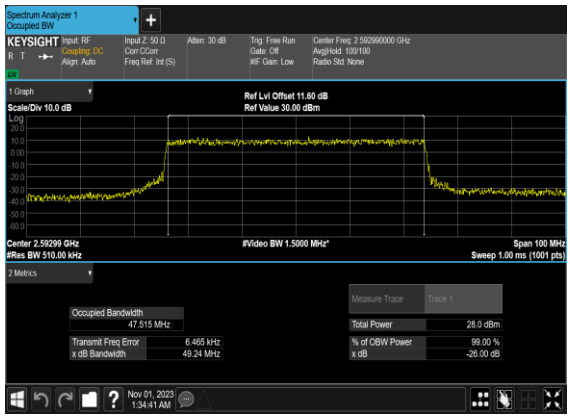
N41(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



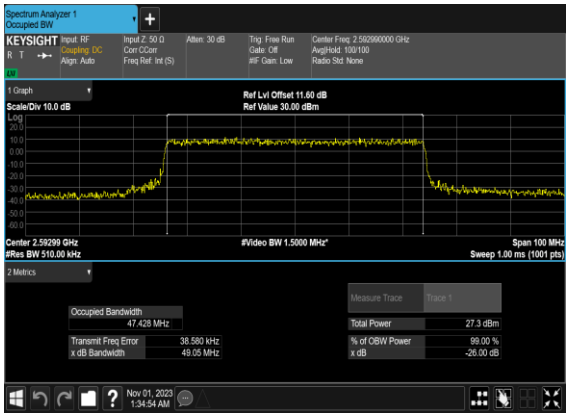
N41(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



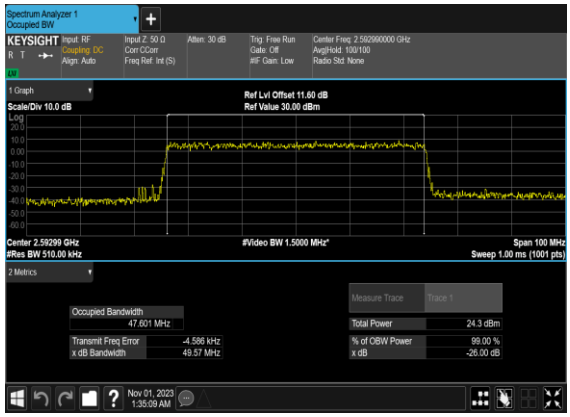
N41(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N41(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N41(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N41(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

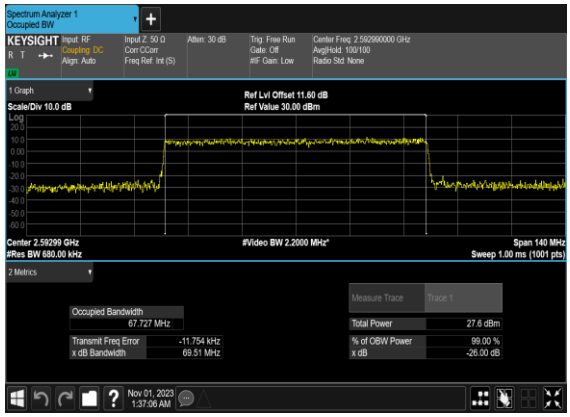
N41(60M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N41(60M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N41(60M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

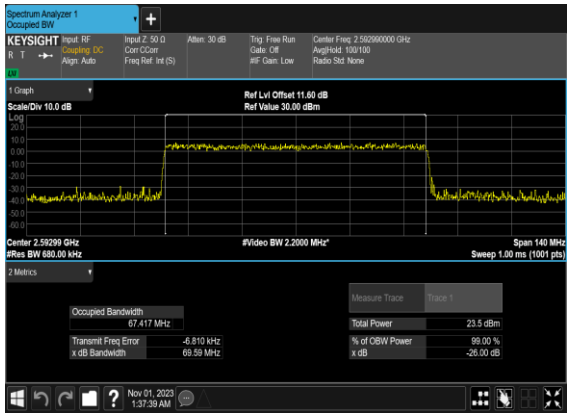
N41(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N41(70M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

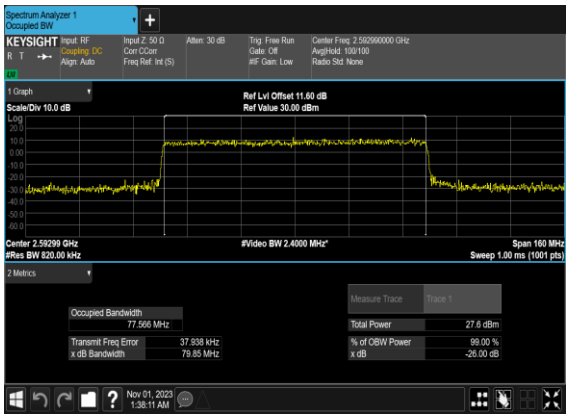


N41(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N41(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

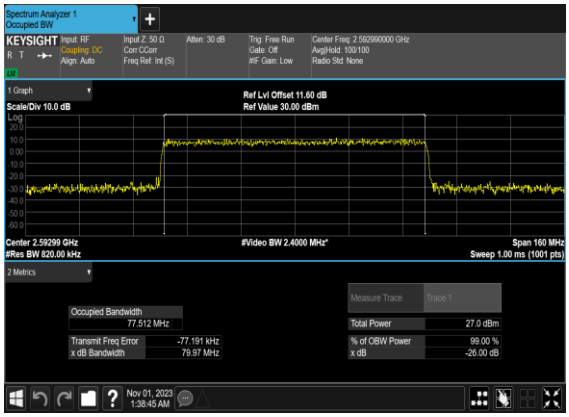


N41(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

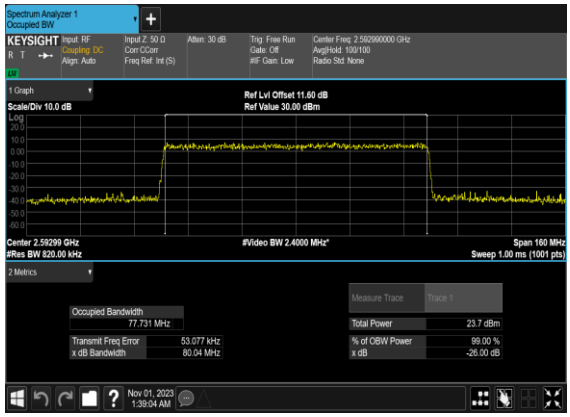


N41(80M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

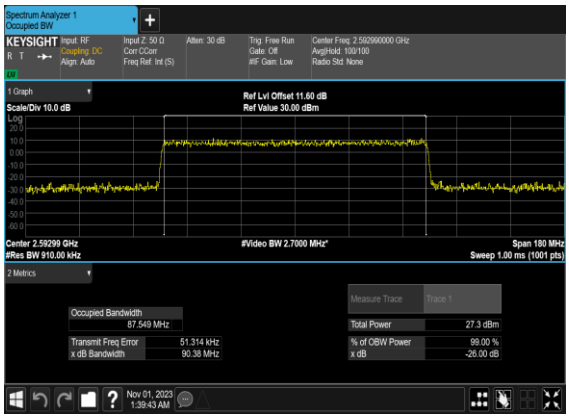
N41(80M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N41(80M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



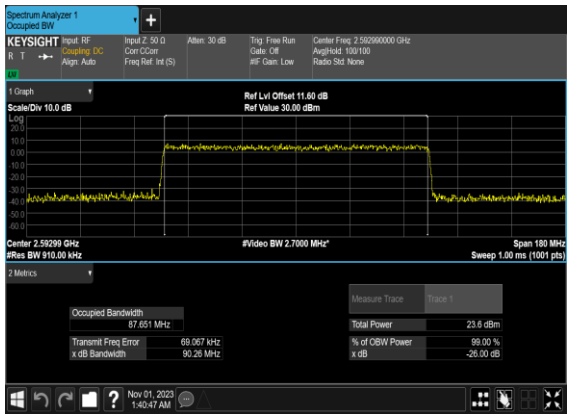
N41(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N41(90M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

N41(90M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N41(90M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

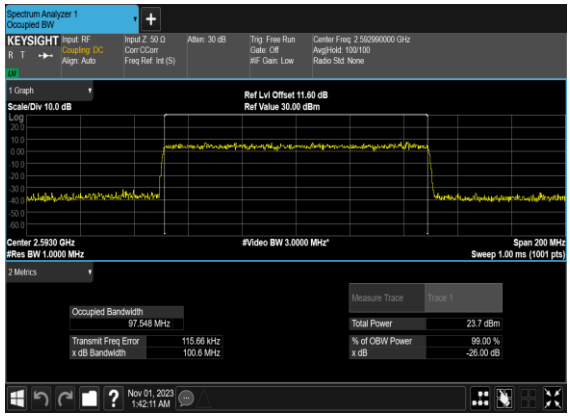


N41(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N41(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N41(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

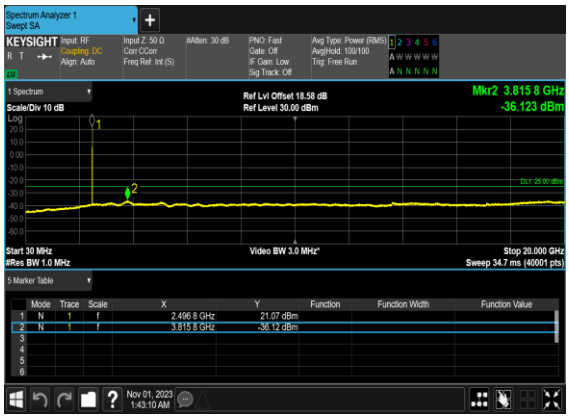
N41(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



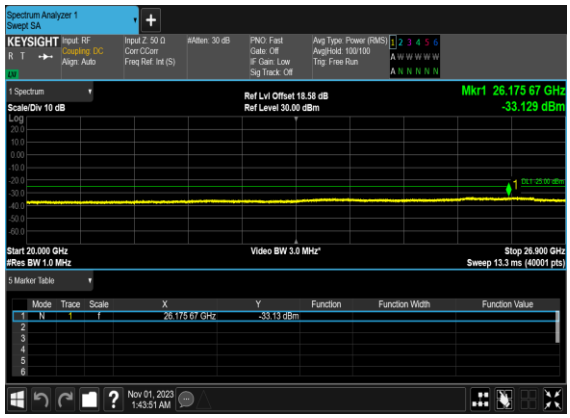
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	10	500202	2501.01	CP-OFDM QPSK	1@0	see graph	**---**
41	30	10	500202	2501.01	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	10	500202	2501.01	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	10	518598	2592.99	CP-OFDM QPSK	1@0	see graph	**---**
41	30	10	518598	2592.99	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	10	518598	2592.99	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	10	537000	2685.0	CP-OFDM QPSK	1@0	see graph	**---**
41	30	10	537000	2685.0	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	10	537000	2685.0	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	50	504204	2521.02	CP-OFDM QPSK	1@0	see graph	**---**
41	30	50	504204	2521.02	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	50	504204	2521.02	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	50	518598	2592.99	CP-OFDM QPSK	1@0	see graph	**---**
41	30	50	518598	2592.99	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	50	518598	2592.99	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	50	532998	2664.99	CP-OFDM QPSK	1@0	see graph	**---**
41	30	50	532998	2664.99	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	50	532998	2664.99	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	100	509202	2546.01	CP-OFDM QPSK	1@0	see graph	**---**
41	30	100	509202	2546.01	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	100	509202	2546.01	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	100	518598	2592.99	CP-OFDM QPSK	1@0	see graph	**---**
41	30	100	518598	2592.99	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	100	518598	2592.99	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	100	528000	2640.0	CP-OFDM QPSK	1@0	see graph	**---**
41	30	100	528000	2640.0	CP-OFDM QPSK	1@0	see graph	**PASS**
41	30	100	528000	2640.0	CP-OFDM QPSK	1@0	see graph	**PASS**

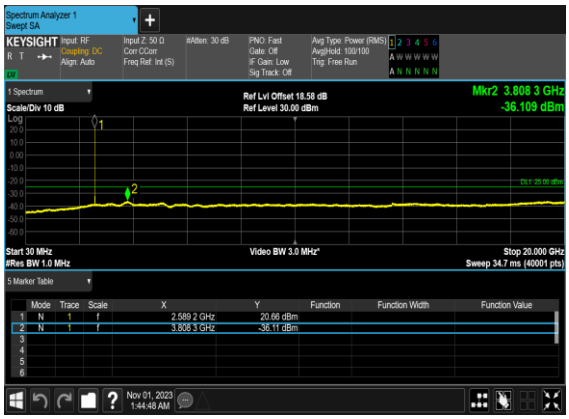
N41(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



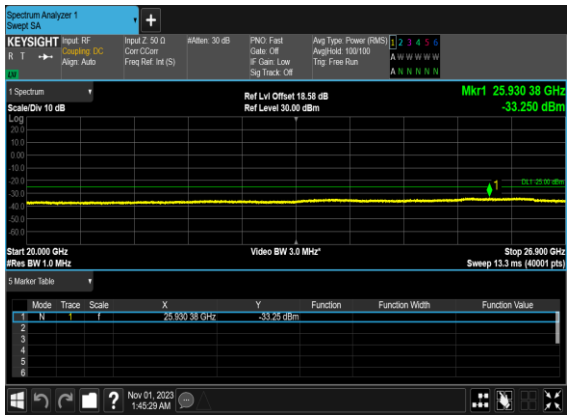
N41(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



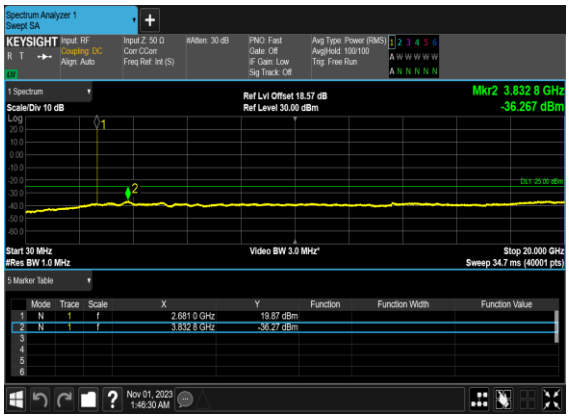
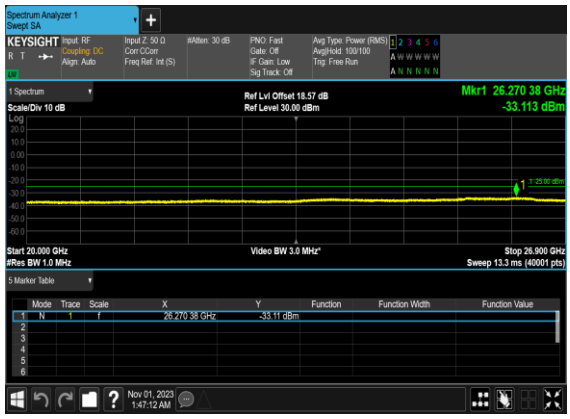
N41(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(10M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



N41(10M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH