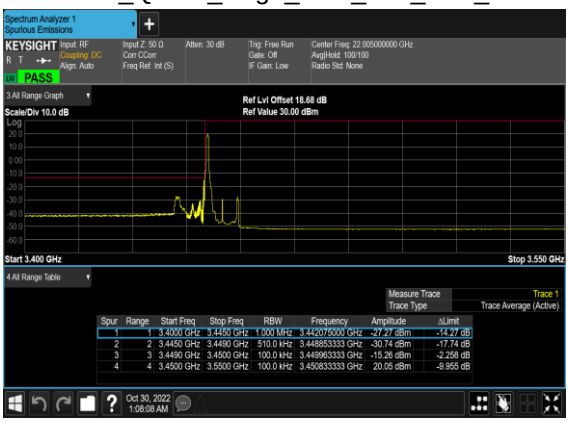
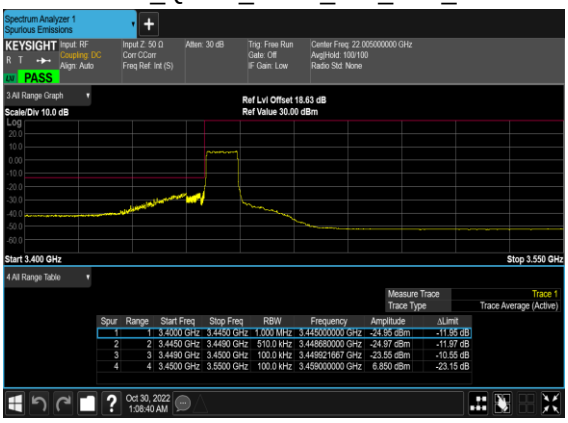
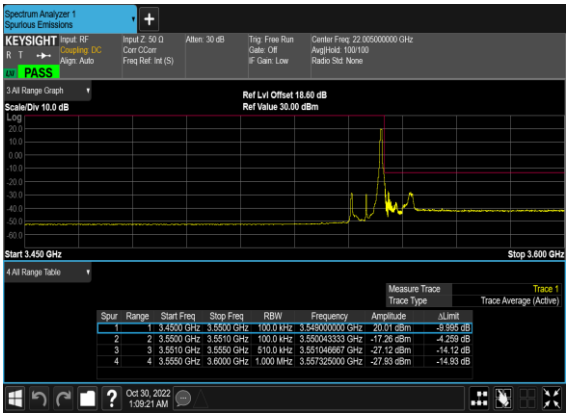
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



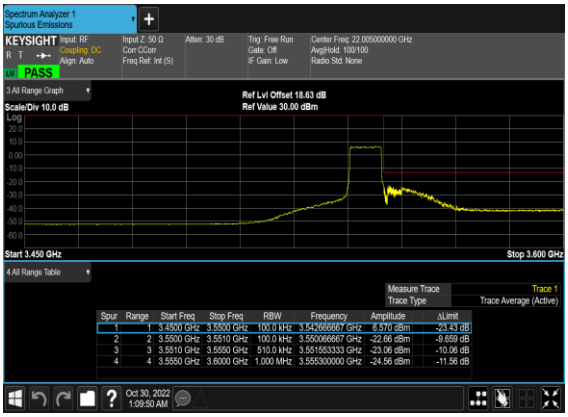
N77(10M)_CP-OFDM_QPSK_Outer_Full_Low_CH



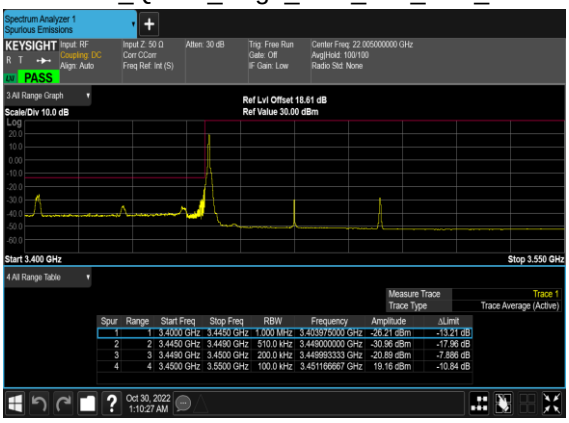
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH



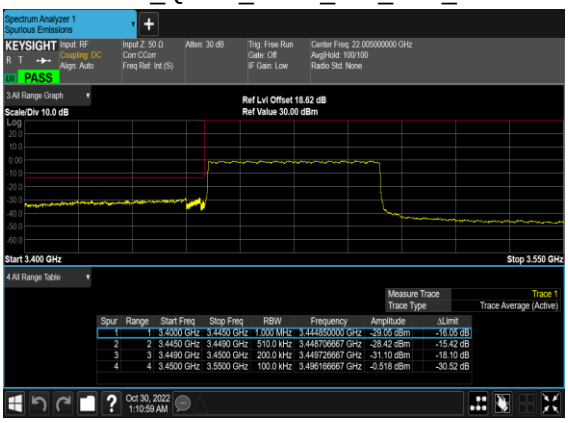
N77(10M)_CP-OFDM_QPSK_Outer_Full_High_CH



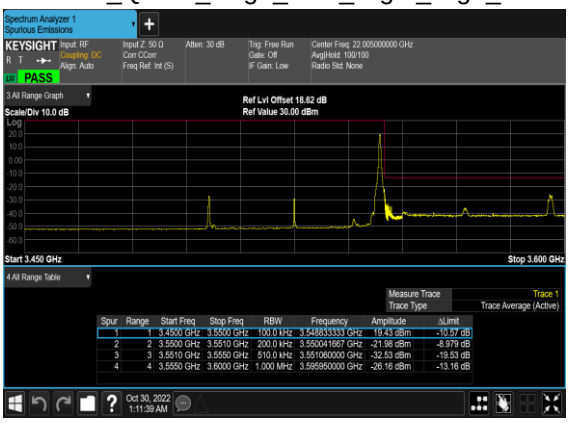
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



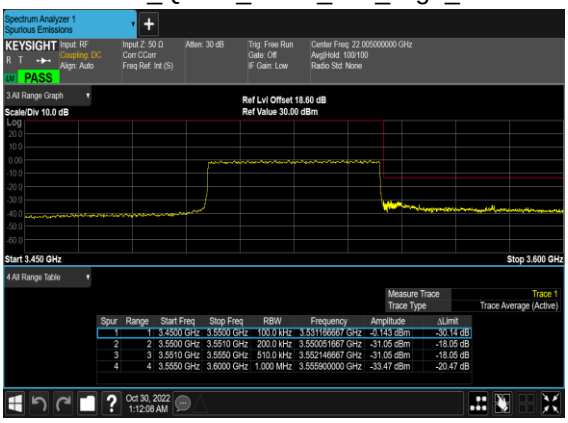
N77(50M)_CP-OFDM_QPSK_Outer_Full_Low_CH



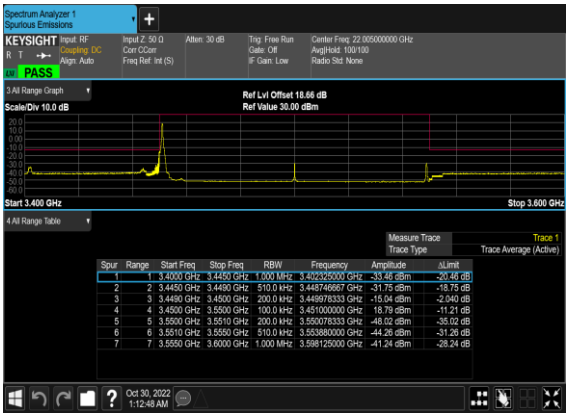
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH



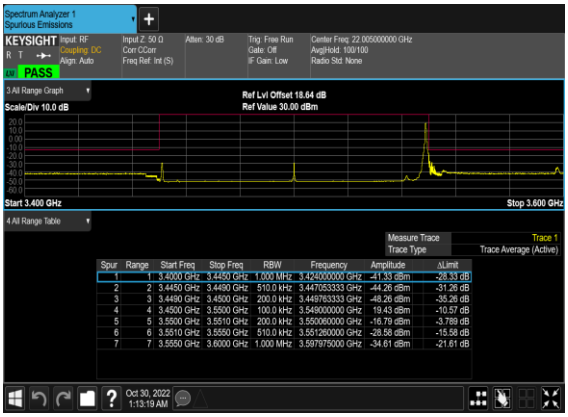
N77(50M)_CP-OFDM_QPSK_Outer_Full_High_CH



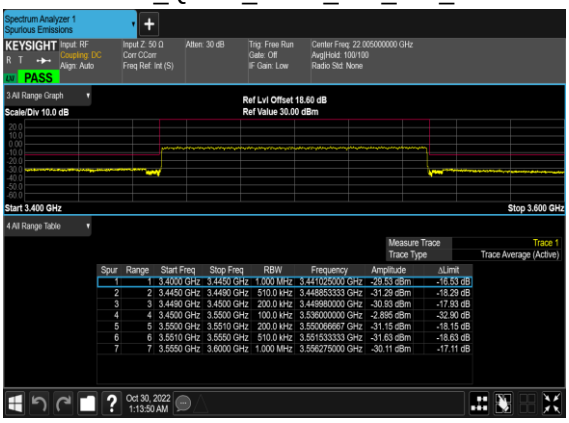
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(100M)_CP-OFDM_QPSK_Edge_1RB_Right_Mid_CH



N77(100M)_CP-OFDM_QPSK_Outer_Full_Mid_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	633334	3500.01	CP-OFDM QPSK	51@0	0.0029	**PASS**	NV
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0020	**PASS**	LV
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0028	**PASS**	HV
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0041	**PASS**	-30℃
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0060	**PASS**	-20℃
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0056	**PASS**	-10℃
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0067	**PASS**	0℃
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0040	**PASS**	10℃
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0029	**PASS**	20℃
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0032	**PASS**	30℃
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0026	**PASS**	40℃
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0056	**PASS**	50℃

Peak to Average Radio

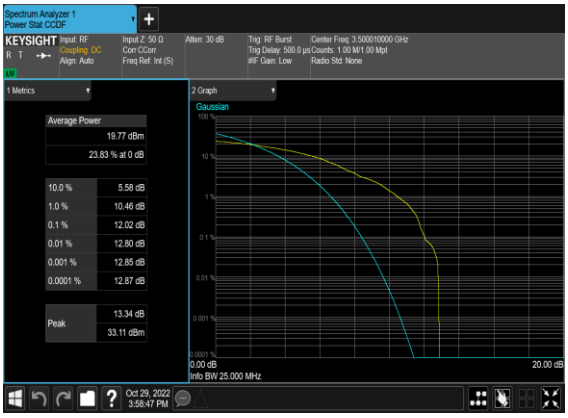
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	630668	3460.02	CP-OFDM QPSK	51@0	10.7	13	**PASS**
77	30	20	630668	3460.02	CP-OFDM QPSK	1@0	10.79	13	**PASS**
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	10.54	13	**PASS**
77	30	20	633334	3500.01	CP-OFDM QPSK	1@0	12.02	13	**PASS**
77	30	20	636000	3540.0	CP-OFDM QPSK	51@0	10.38	13	**PASS**
77	30	20	636000	3540.0	CP-OFDM QPSK	1@0	11.1	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

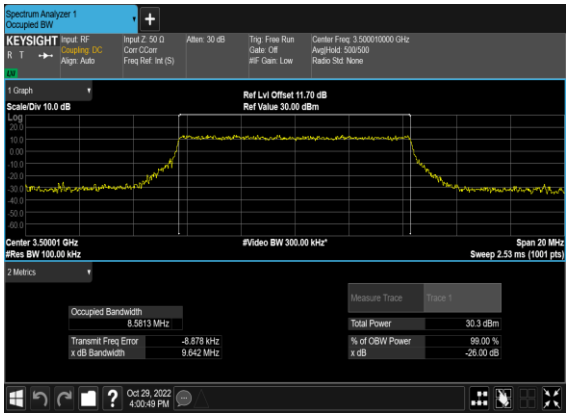
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
77	30	10	633334	3500.01	CP-OFDM QPSK	24@0	8.6101	9.776
77	30	10	633334	3500.01	CP-OFDM 16 QAM	24@0	8.58	9.945
77	30	10	633334	3500.01	CP-OFDM 64 QAM	24@0	8.5813	9.642
77	30	10	633334	3500.01	CP-OFDM 256 QAM	24@0	8.5738	9.554
77	30	15	633334	3500.01	CP-OFDM QPSK	38@0	13.577	14.85
77	30	15	633334	3500.01	CP-OFDM 16 QAM	38@0	13.556	14.88
77	30	15	633334	3500.01	CP-OFDM 64 QAM	38@0	13.574	14.95
77	30	15	633334	3500.01	CP-OFDM 256 QAM	38@0	13.566	14.83
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18.205	19.82
77	30	20	633334	3500.01	CP-OFDM 16 QAM	51@0	18.194	19.47
77	30	20	633334	3500.01	CP-OFDM 64 QAM	51@0	18.199	19.57
77	30	20	633334	3500.01	CP-OFDM 256 QAM	51@0	18.163	19.31
77	30	30	633334	3500.01	CP-OFDM QPSK	78@0	27.807	29.54
77	30	30	633334	3500.01	CP-OFDM 16 QAM	78@0	27.769	29.38
77	30	30	633334	3500.01	CP-OFDM 64 QAM	78@0	27.85	29.44
77	30	30	633334	3500.01	CP-OFDM 256 QAM	78@0	27.887	29.5
77	30	40	633334	3500.01	CP-OFDM QPSK	106@0	37.829	39.65
77	30	40	633334	3500.01	CP-OFDM 16 QAM	106@0	37.828	39.58
77	30	40	633334	3500.01	CP-OFDM 64 QAM	106@0	37.789	39.82
77	30	40	633334	3500.01	CP-OFDM 256 QAM	106@0	37.874	39.89
77	30	50	633334	3500.01	CP-OFDM QPSK	133@0	47.442	49.8
77	30	50	633334	3500.01	CP-OFDM 16 QAM	133@0	47.412	49.52
77	30	50	633334	3500.01	CP-OFDM 64 QAM	133@0	47.542	49.32

77	30	50	633334	3500.01	CP-OFDM 256 QAM	133@0	47.474	49.67
77	30	60	633334	3500.01	CP-OFDM QPSK	162@0	57.791	60.32
77	30	60	633334	3500.01	CP-OFDM 16 QAM	162@0	57.847	59.99
77	30	60	633334	3500.01	CP-OFDM 64 QAM	162@0	57.887	60.06
77	30	60	633334	3500.01	CP-OFDM 256 QAM	162@0	57.917	59.92
77	30	70	633334	3500.01	CP-OFDM QPSK	189@0	67.474	69.73
77	30	70	633334	3500.01	CP-OFDM 16 QAM	189@0	67.548	69.58
77	30	70	633334	3500.01	CP-OFDM 64 QAM	189@0	67.431	69.85
77	30	70	633334	3500.01	CP-OFDM 256 QAM	189@0	67.461	69.87
77	30	80	633334	3500.01	CP-OFDM QPSK	217@0	77.536	80.32
77	30	80	633334	3500.01	CP-OFDM 16 QAM	217@0	77.461	80.15
77	30	80	633334	3500.01	CP-OFDM 64 QAM	217@0	77.452	80.18
77	30	80	633334	3500.01	CP-OFDM 256 QAM	217@0	77.536	80.23
77	30	90	633334	3500.01	CP-OFDM QPSK	245@0	87.443	90.25
77	30	90	633334	3500.01	CP-OFDM 16 QAM	245@0	87.452	90.32
77	30	90	633334	3500.01	CP-OFDM 64 QAM	245@0	87.623	90.58
77	30	90	633334	3500.01	CP-OFDM 256 QAM	245@0	87.569	90.47
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	97.422	100.7
77	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	97.512	100.5
77	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	97.624	100.7
77	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	97.42	100.6

N77(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

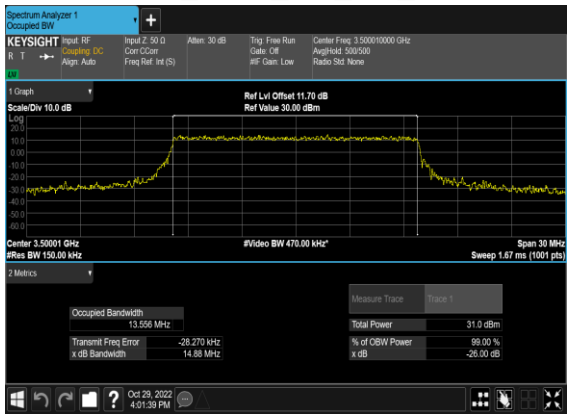
N77(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

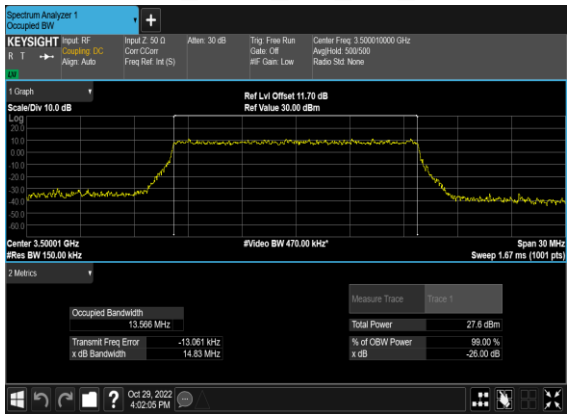
N77(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

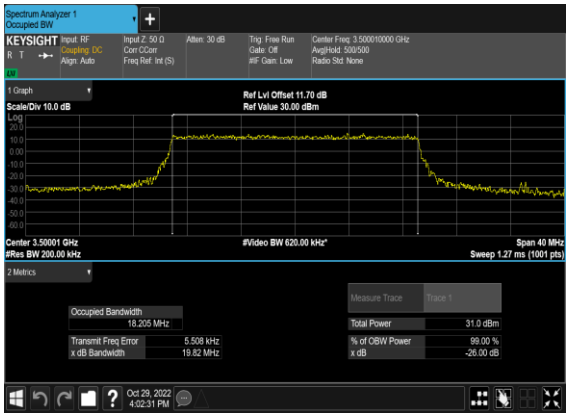


N77(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N77(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

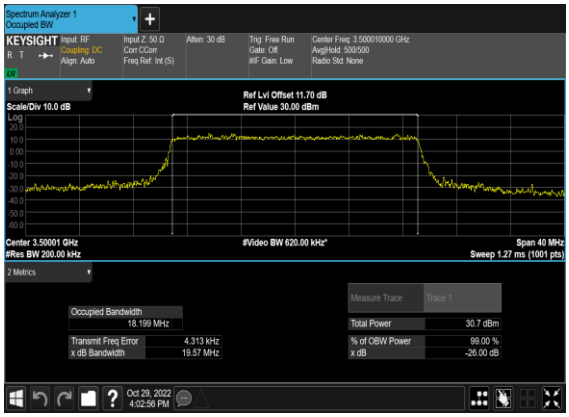


N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

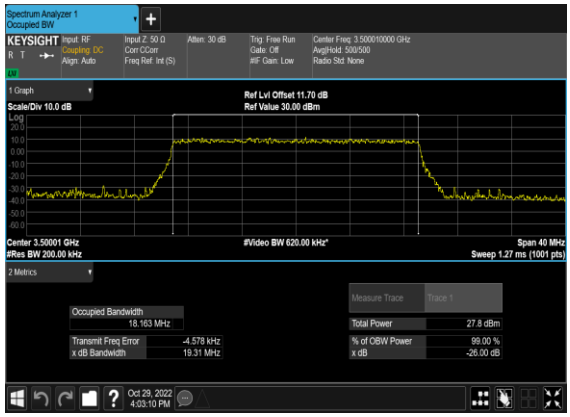


N77(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

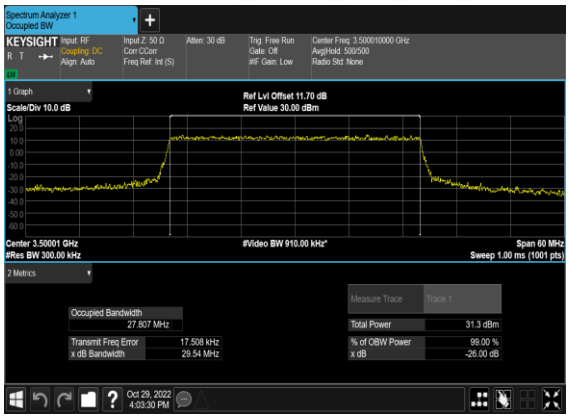
N77(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



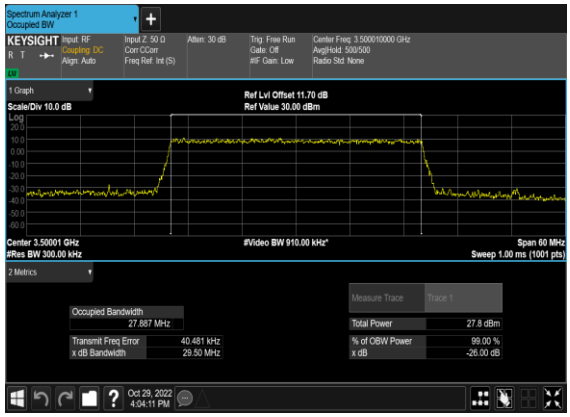
N77(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



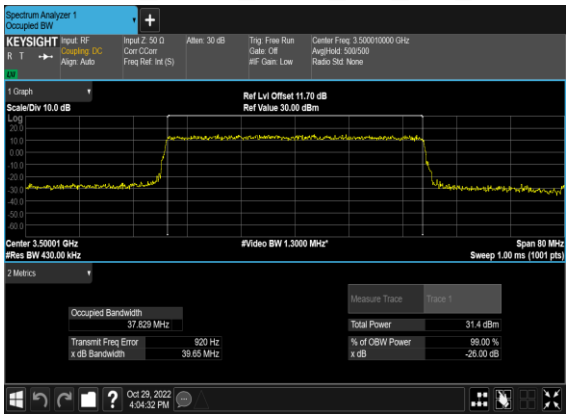
N77(30M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

N77(30M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

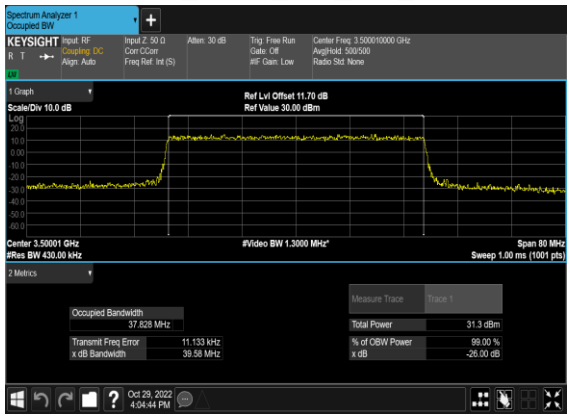
N77(30M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



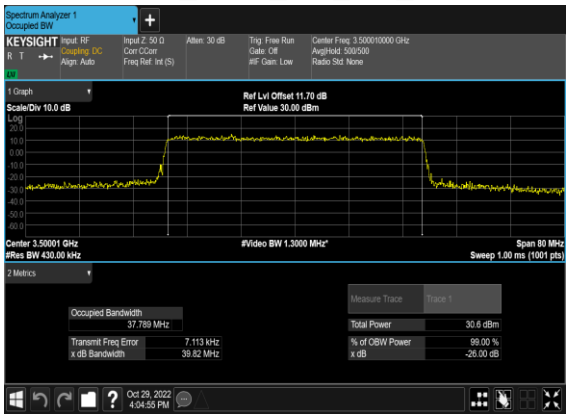
N77(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



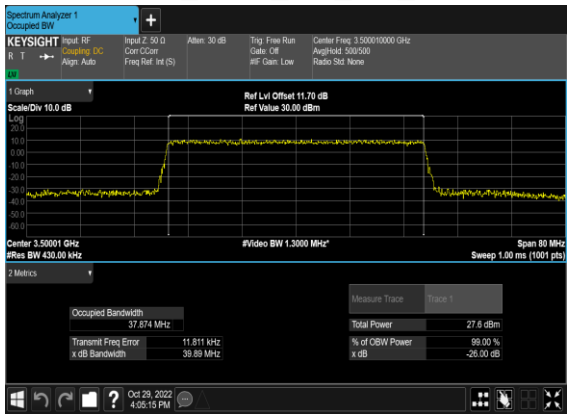
N77(40M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



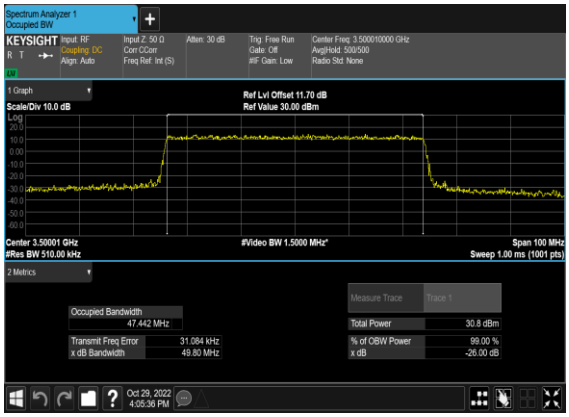
N77(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



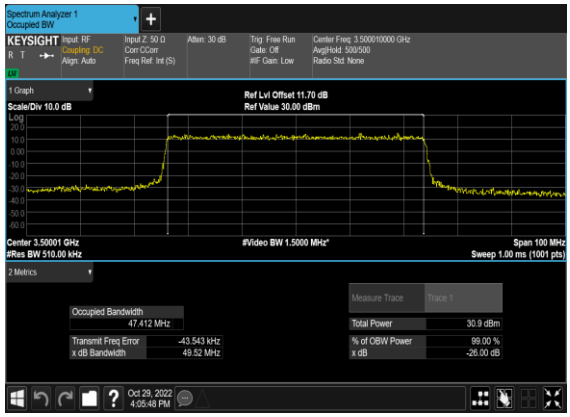
N77(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



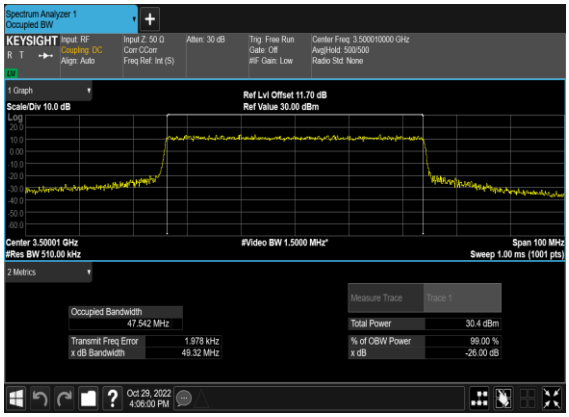
N77(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



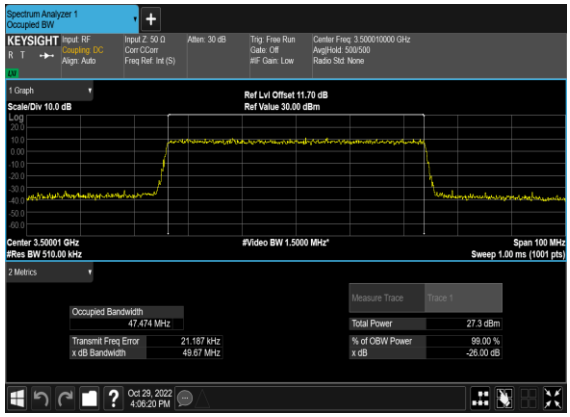
N77(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



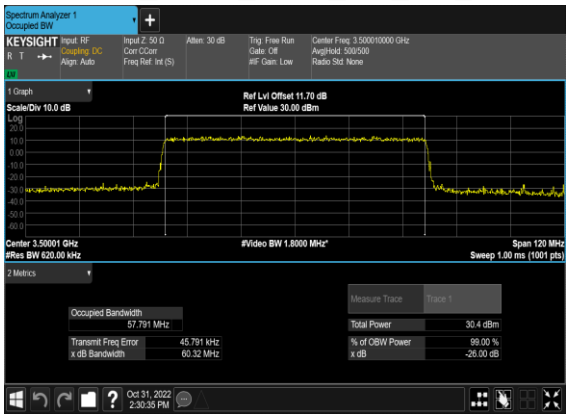
N77(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



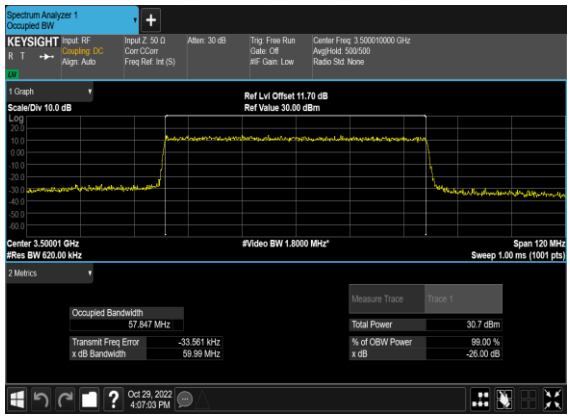
N77(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



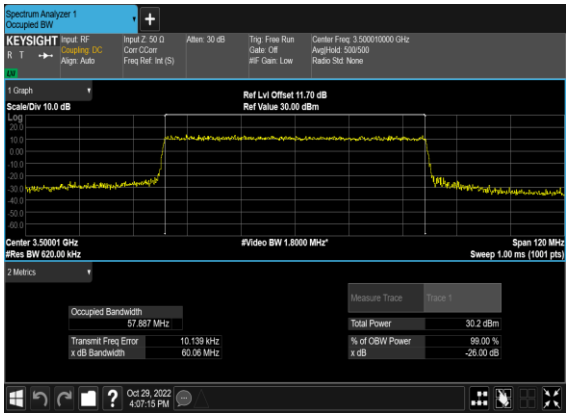
N77(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



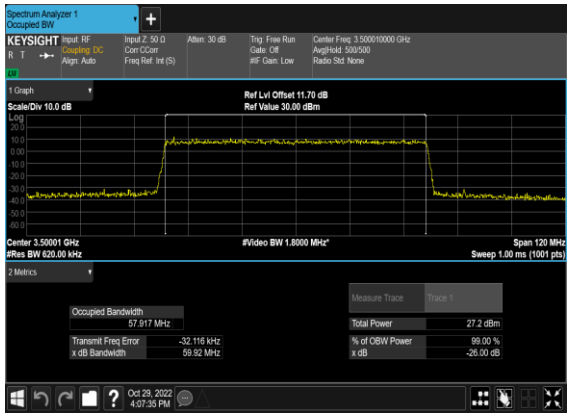
N77(60M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



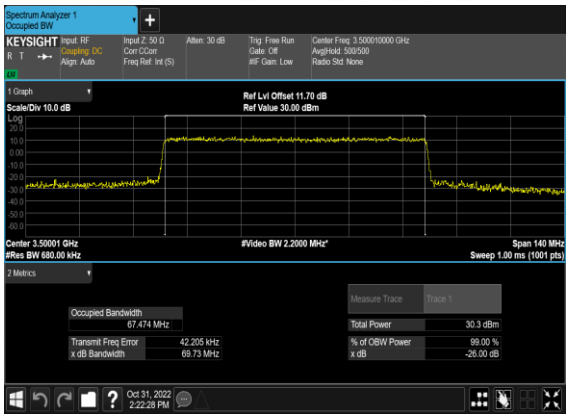
N77(60M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(60M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

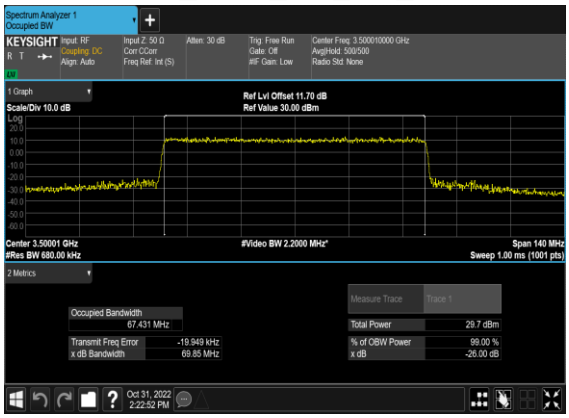


N77(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

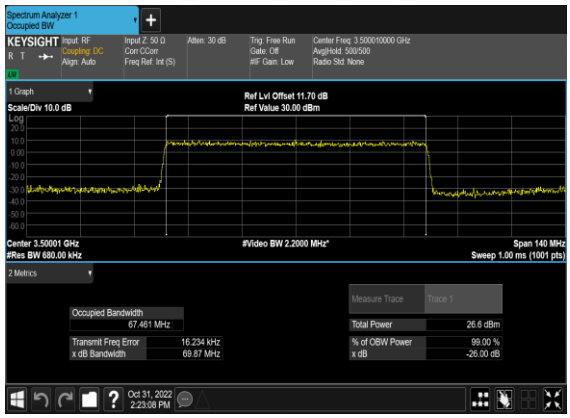


N77(70M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

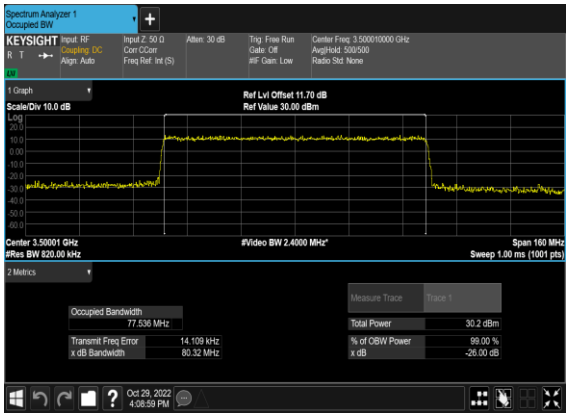
N77(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



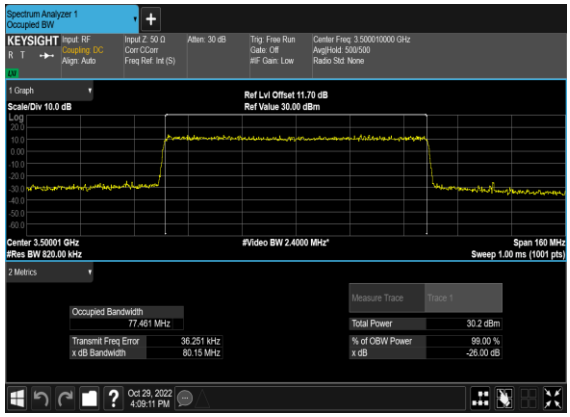
N77(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



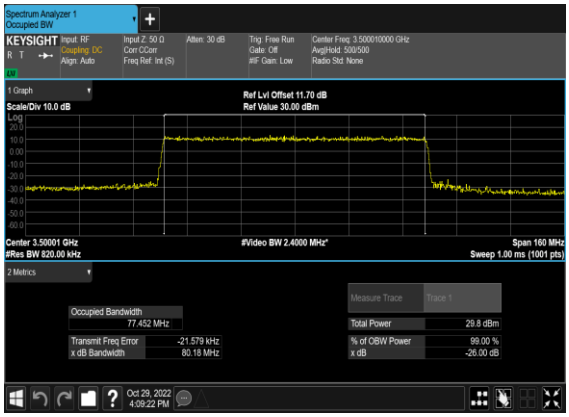
N77(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



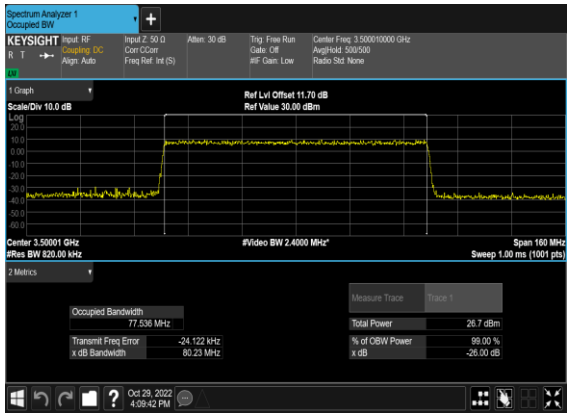
N77(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



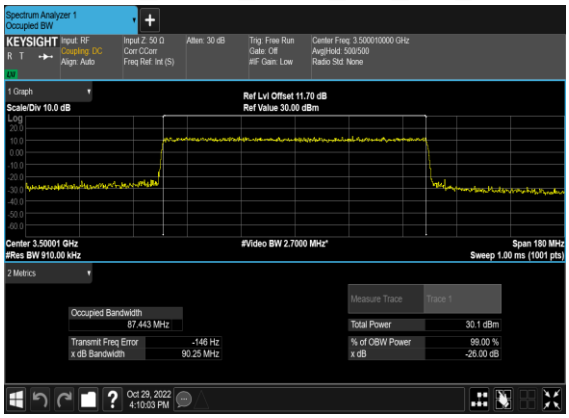
N77(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



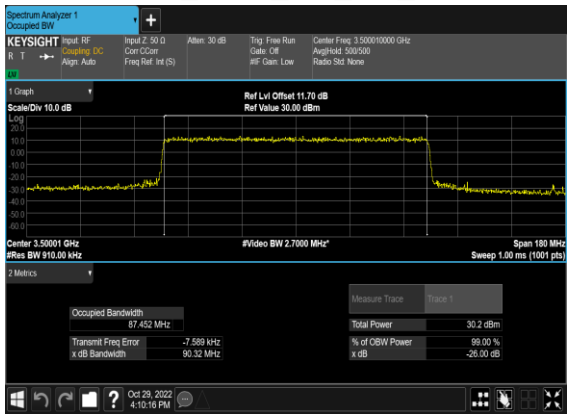
N77(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



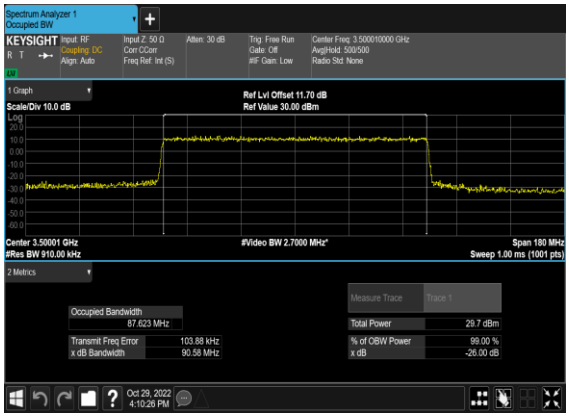
N77(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



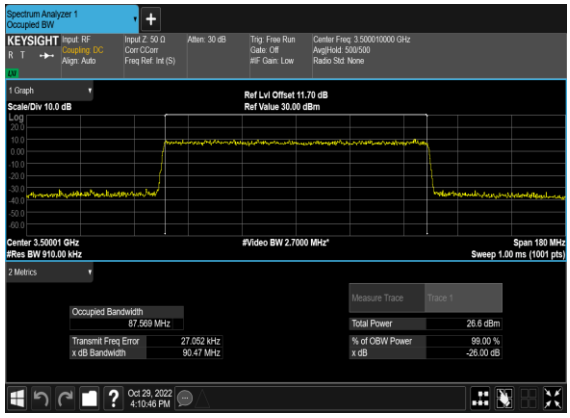
N77(90M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



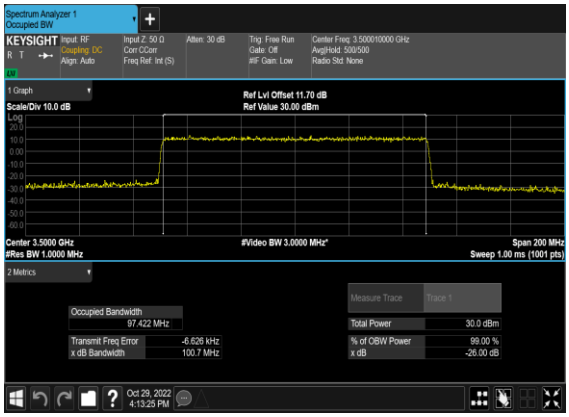
N77(90M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



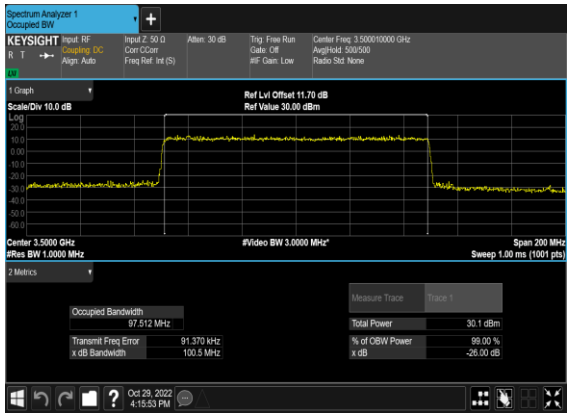
N77(90M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



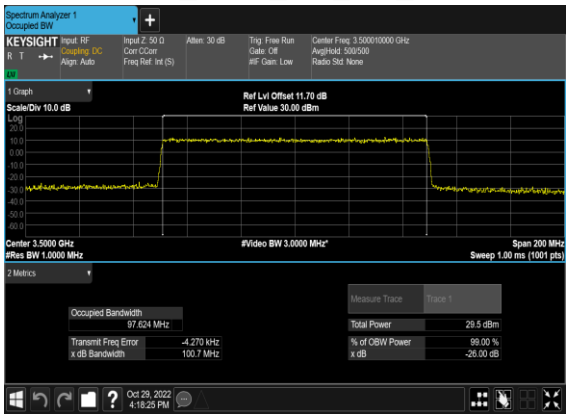
N77(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



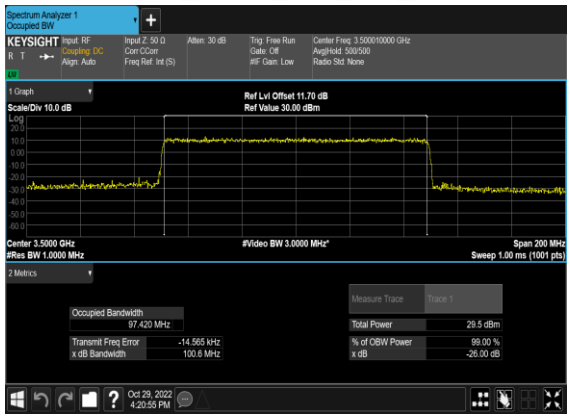
N77(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



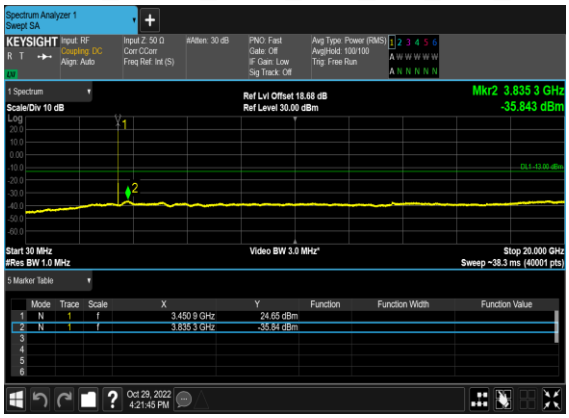
N77(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



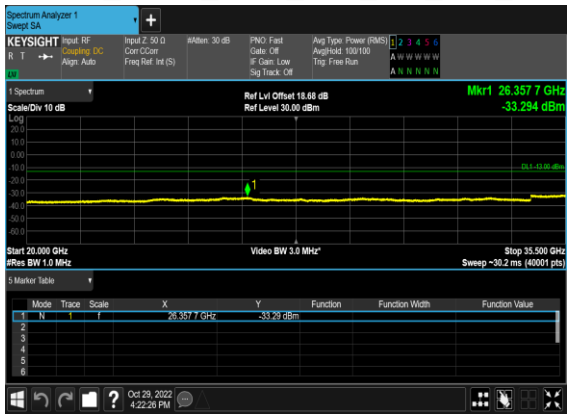
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	630334	3455.01	CP-OFDM QPSK	1@0	see graph	**---**
77	30	10	630334	3455.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	630334	3455.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**---**
77	30	10	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	636332	3544.98	CP-OFDM QPSK	1@0	see graph	**---**
77	30	10	636332	3544.98	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	636332	3544.98	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	631668	3475.02	CP-OFDM QPSK	1@0	see graph	**---**
77	30	50	631668	3475.02	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	631668	3475.02	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**---**
77	30	50	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	635000	3525.0	CP-OFDM QPSK	1@0	see graph	**---**
77	30	50	635000	3525.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	635000	3525.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**---**
77	30	100	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**PASS**

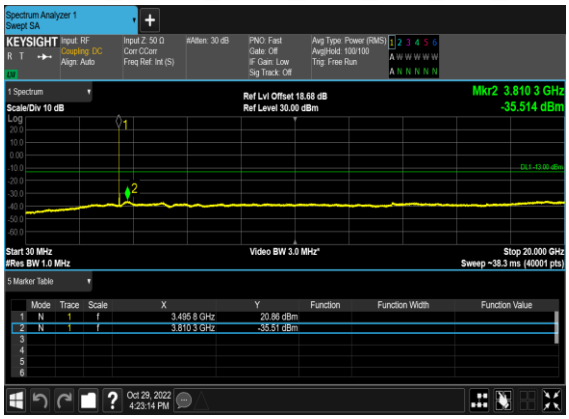
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



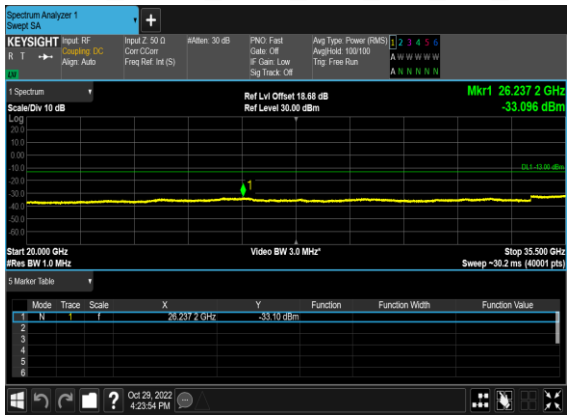
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



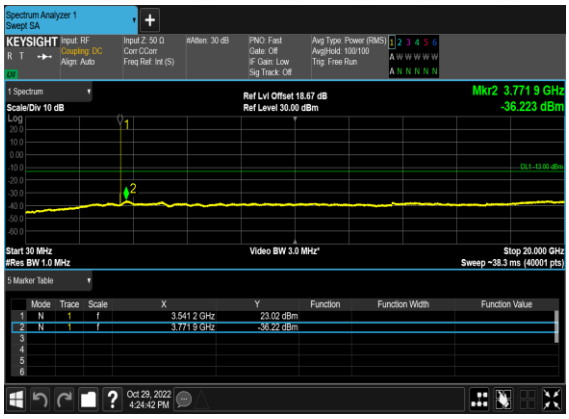
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



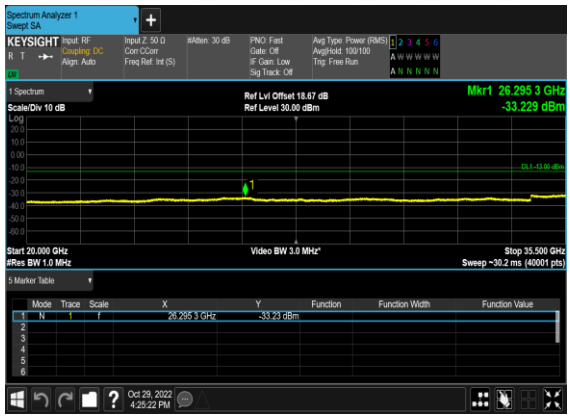
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



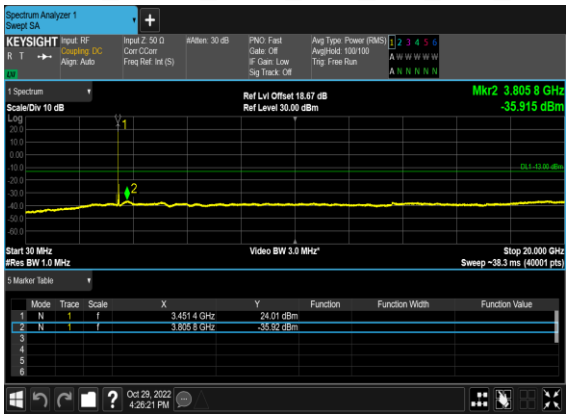
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



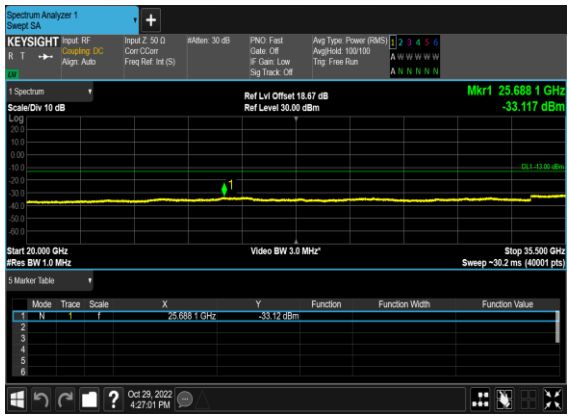
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



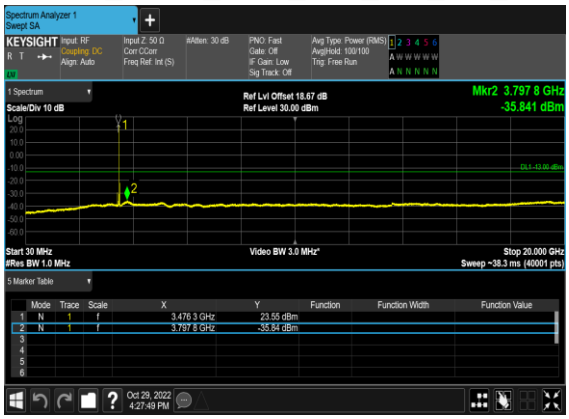
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



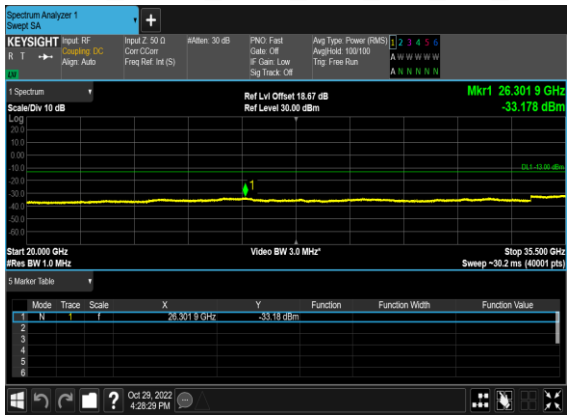
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



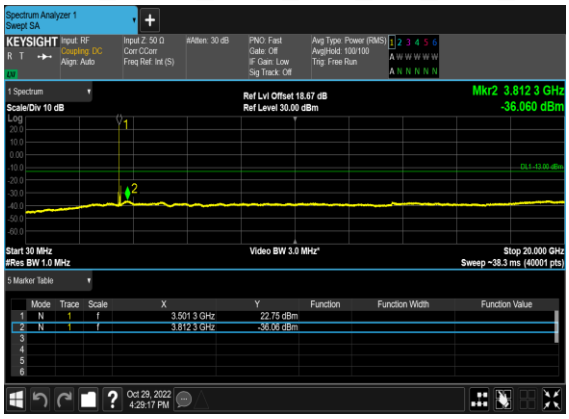
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



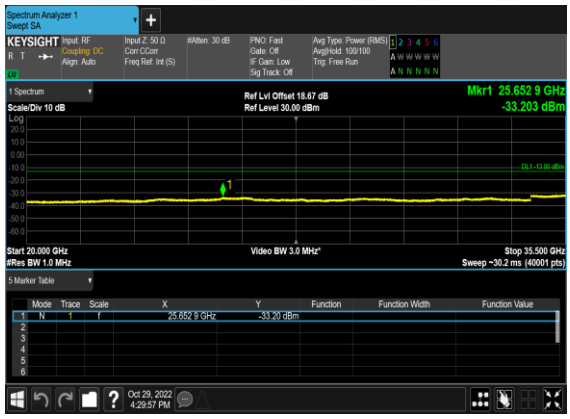
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



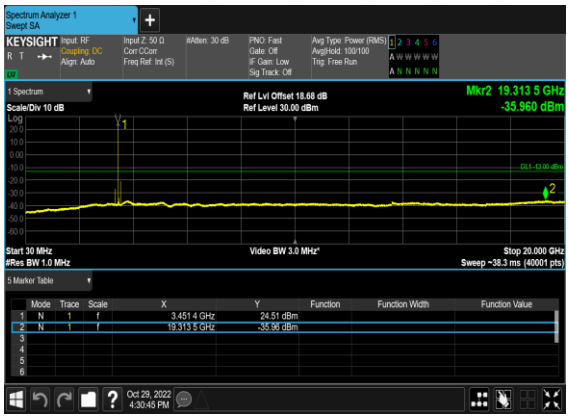
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



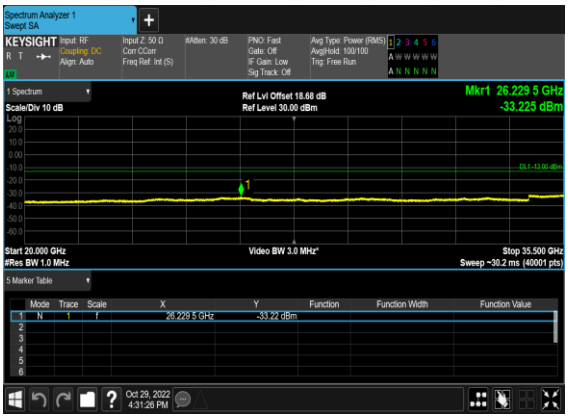
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



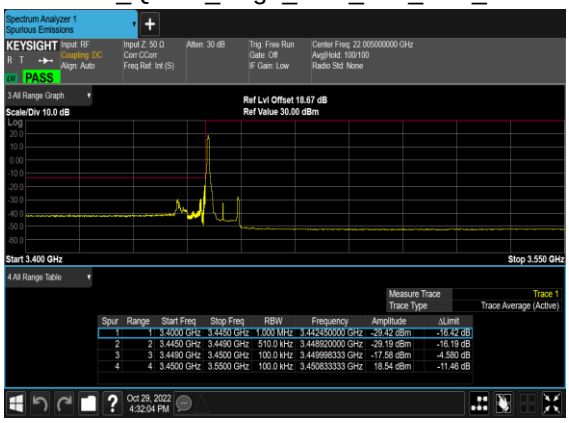
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



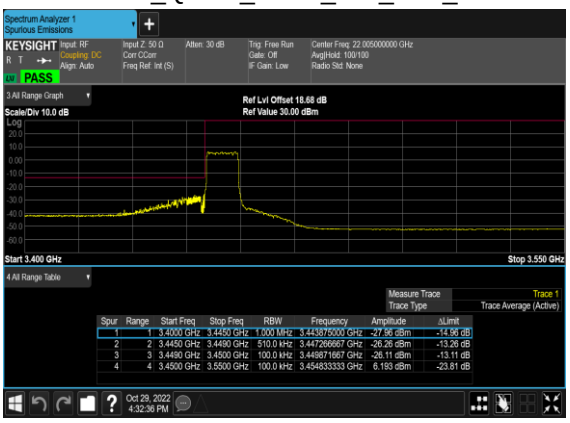
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	630334	3455.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	630334	3455.01	CP-OFDM QPSK	24@0	see graph	**PASS**
77	30	10	636332	3544.98	CP-OFDM QPSK	1@23	see graph	**PASS**
77	30	10	636332	3544.98	CP-OFDM QPSK	24@0	see graph	**PASS**
77	30	50	631668	3475.02	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	631668	3475.02	CP-OFDM QPSK	133@0	see graph	**PASS**
77	30	50	635000	3525.0	CP-OFDM QPSK	1@132	see graph	**PASS**
77	30	50	635000	3525.0	CP-OFDM QPSK	133@0	see graph	**PASS**
77	30	100	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	633334	3500.01	CP-OFDM QPSK	1@272	see graph	**PASS**
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	see graph	**PASS**

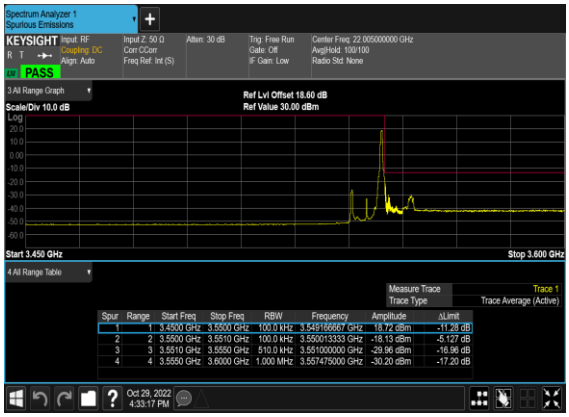
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



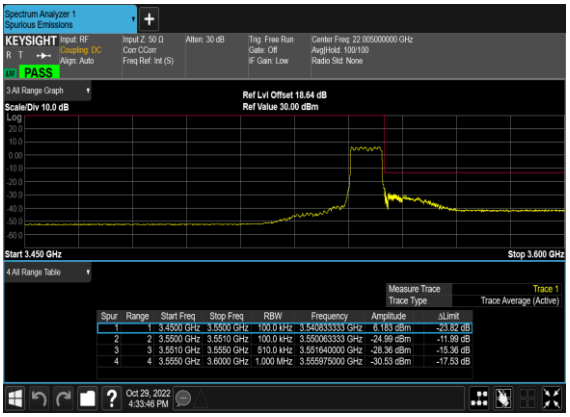
N77(10M)_CP-OFDM_QPSK_Outer_Full_Low_CH



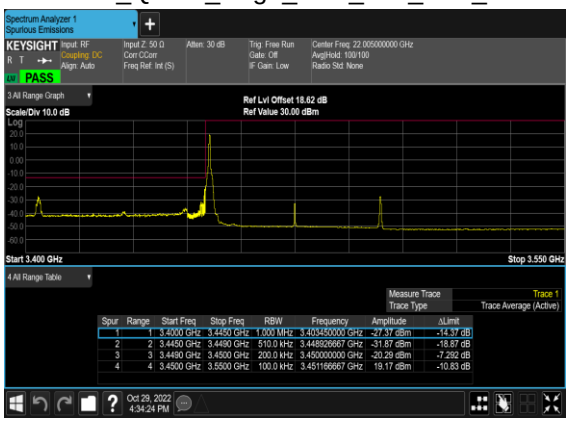
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH



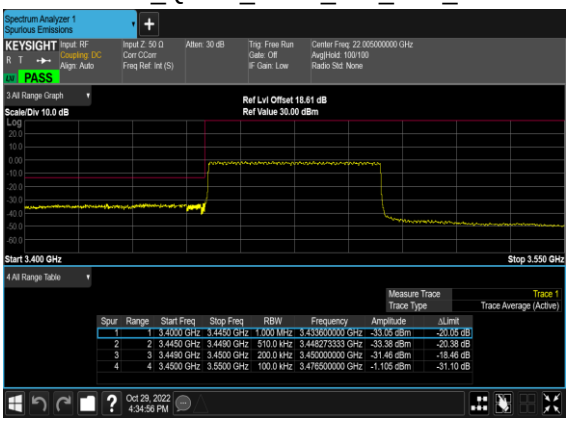
N77(10M)_CP-OFDM_QPSK_Outer_Full_High_CH



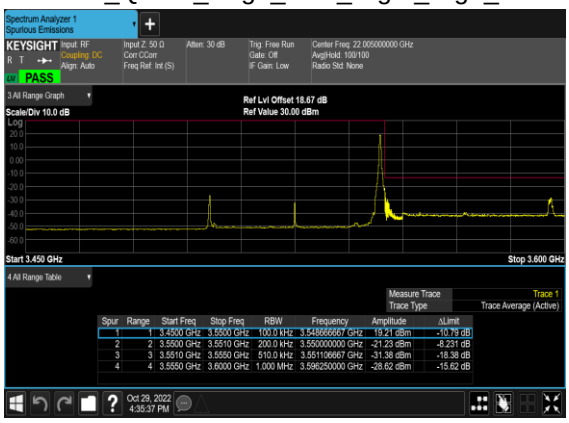
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



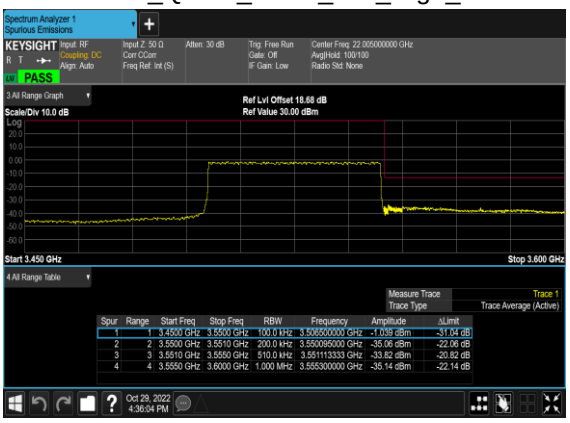
N77(50M)_CP-OFDM_QPSK_Outer_Full_Low_CH



N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH

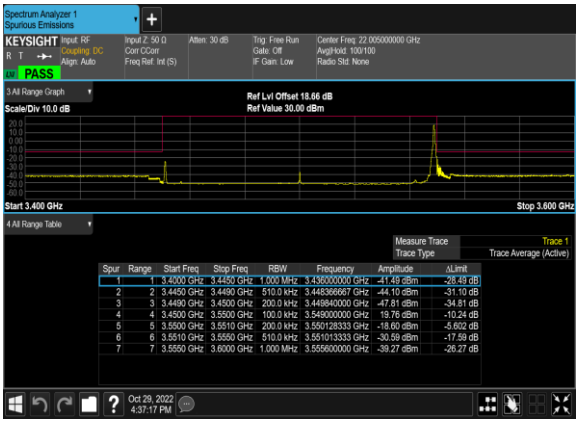


N77(50M)_CP-
OFDM_QPSK_Outer_Full_High_CH

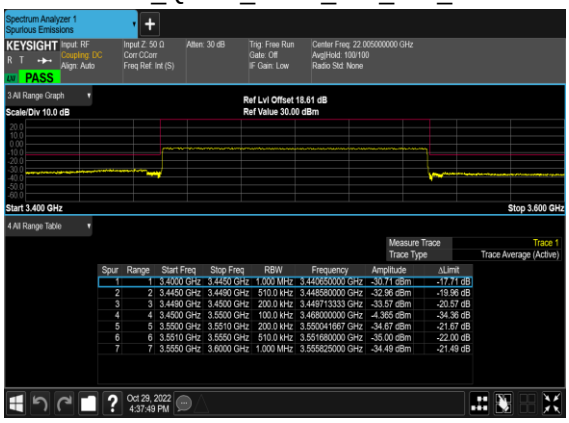


N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Right_Mid_CH



N77(100M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



FR1 N78

Transmitter Conducted Output Power And ERP/EIRP, (G_T - L_C)=-0.6dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	26.33	25.73	0.3741
78	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	26.03	25.43	0.3491
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.43	25.83	0.3828
78	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.07	25.47	0.3524
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	26.57	25.97	0.3954
78	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	26.11	25.51	0.3556
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	26.58	25.98	0.3963
78	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	26.25	25.65	0.3673
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.58	25.98	0.3963
78	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.33	25.73	0.3741
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	26.58	25.98	0.3963
78	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	26.29	25.69	0.3707
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	26.53	25.93	0.3917
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	26.4	25.8	0.3802
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.64	26.04	0.4018
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.37	25.77	0.3776
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	26.63	26.03	0.4009
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	26.37	25.77	0.3776
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	26.58	25.98	0.3963
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	26.31	25.71	0.3724

78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.59	25.99	0.3972
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.47	25.87	0.3864
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	26.61	26.01	0.3990
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	26.51	25.91	0.3899
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	26.62	26.02	0.3999
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	26.47	25.87	0.3864
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	26	25.4	0.3467
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.47	25.87	0.3864
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	26.63	26.03	0.4009
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	26.56	25.96	0.3945
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	26.45	25.85	0.3846
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	26.22	25.62	0.3648
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.45	25.85	0.3846
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.18	25.58	0.3614
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	26.43	25.83	0.3828
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	26.14	25.54	0.3581
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	26.59	25.99	0.3972
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	26.13	25.53	0.3573
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.52	25.92	0.3908
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.25	25.65	0.3673
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	26.53	25.93	0.3917
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	26.21	25.61	0.3639
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	26.39	25.79	0.3793
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	26.17	25.57	0.3606

78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.45	25.85	0.3846
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.1	25.5	0.3548
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	26.33	25.73	0.3741
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	25.89	25.29	0.3381
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	26.36	25.76	0.3767
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	26.06	25.46	0.3516
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.39	25.79	0.3793
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.01	25.41	0.3475
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	26.38	25.78	0.3784
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	26.1	25.5	0.3548
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	26.39	25.79	0.3793
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	26.1	25.5	0.3548
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.37	25.77	0.3776
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.96	25.36	0.3436
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	26.44	25.84	0.3837
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	26.12	25.52	0.3565
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	26.51	25.91	0.3899
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.47	25.87	0.3864
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	26.52	25.92	0.3908
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	26.43	25.83	0.3828
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.65	26.05	0.4027
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	26.4	25.8	0.3802
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	25.81	25.21	0.3319
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.8	25.2	0.3311

78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	25.86	25.26	0.3357
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	24.67	24.07	0.2553
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.83	24.23	0.2649
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	24.73	24.13	0.2588
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	22.68	22.08	0.1614
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.58	21.98	0.1578
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	22.4	21.8	0.1514
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	24.65	24.05	0.2541
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	24.59	23.99	0.2506
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	24.4	23.8	0.2399

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Zhicheng Li	Temperature :	22~25℃
		Relative Humidity :	48 ~ 52%

Note: Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

SA n77 / NR 100MHz / QPSK DFT-s-OFDM / ANT3									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA. Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6902.50	-58.97	-13	-45.97	-63.89	-62.27	8.30	11.60	H
	10353.75	-52.64	-13	-39.64	-63.00	-54.16	10.48	12.00	H
	13805.00	-56.89	-13	-43.89	-68.45	-58.59	11.80	13.50	H
	6902.50	-59.19	-13	-46.19	-64.44	-62.49	8.30	11.60	V
	10353.75	-49.71	-13	-36.71	-59.1	-51.23	10.48	12.00	V
	13805.00	-57.13	-13	-44.13	-68.76	-58.83	11.80	13.50	V

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

SA n78 / NR 100MHz / QPSK DFT-s-OFDM / ANT3									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA. Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6902.50	-56.40	-13	-43.40	-61.32	-59.70	8.30	11.60	H
	10358.25	-57.63	-13	-44.63	-67.99	-59.15	10.48	12.00	H
	13811.00	-57.01	-13	-44.01	-68.55	-58.71	11.80	13.50	H
	6902.50	-56.84	-13	-43.84	-62.09	-60.14	8.30	11.60	V
	10358.25	-58.68	-13	-45.68	-68.08	-60.20	10.48	12.00	V
	13811.00	-57.06	-13	-44.06	-68.69	-58.76	11.80	13.50	V

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

EN-DC_2A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT3 (LTE) & ANT3(NR)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA. Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
n78 Middle	6902.50	-59.42	-13	-46.42	-64.34	-62.72	8.30	11.60	H
	10358.25	-54.82	-13	-41.82	-65.18	-56.34	10.48	12.00	H
	13815.00	-56.62	-13	-43.62	-68.15	-58.32	11.80	13.50	H
	6902.50	-56.06	-13	-43.06	-61.31	-59.36	8.30	11.60	V
	10358.25	-51.70	-13	-38.70	-61.1	-53.22	10.48	12.00	V
	13815.00	-56.70	-13	-43.70	-68.33	-58.40	11.80	13.50	V
LTE Band 2 Middle	3769	-62.18	-13	-49.18	-59.41	-68.93	5.85	12.60	H
	5653.5	-59.10	-13	-46.10	-62.52	-64.90	7.30	13.10	H
	7538	-58.80	-13	-45.80	-64.88	-61.95	8.35	11.50	H
	3769	-62.31	-13	-49.31	-59.07	-69.06	5.85	12.60	V
	5653.5	-60.24	-13	-47.24	-62.51	-66.04	7.30	13.10	V
	7538	-58.49	-13	-45.49	-65.01	-61.64	8.35	11.50	V

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

EN-DC_5A_n78 / LTE 10MHz + NR 100MHz / QPSK / ANT0 (LTE) & ANT3(NR)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA. Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
n78 Middle	6902.50	-60.78	-13	-47.78	-65.70	-64.08	8.30	11.60	H
	10358.25	-53.27	-13	-40.27	-63.63	-54.79	10.48	12.00	H
	13811.00	-56.39	-13	-43.39	-67.93	-58.09	11.80	13.50	H
	6902.50	-60.75	-13	-47.75	-66	-64.05	8.30	11.60	V
	10358.25	-50.72	-13	-37.72	-60.12	-52.24	10.48	12.00	V
	13811.00	-56.99	-13	-43.99	-68.62	-58.69	11.80	13.50	V
LTE Band 5 Middle	1682	-71.52	-13	-58.52	-60.48	-74.77	4.00	9.40	H
	2523	-67.75	-13	-54.75	-60.54	-71.32	4.88	10.60	H
	3364	-65.08	-13	-52.08	-60.55	-70.01	5.52	12.60	H
	1682	-71.09	-13	-58.09	-60.24	-74.34	4.00	9.40	V
	2523	-67.63	-13	-54.63	-60.50	-71.20	4.88	10.60	V
	3364	-64.91	-13	-51.91	-60.39	-69.84	5.52	12.60	V

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

EN-DC_7A_n78 / LTE 10MHz + NR 100MHz / QPSK / ANT3 (LTE) & ANT3(NR)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA. Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
n78 Middle	6902.50	-60.06	-13	-47.06	-64.98	-63.36	8.30	11.60	H
	10358.25	-55.03	-13	-42.03	-65.39	-56.55	10.48	12.00	H
	13811.00	-57.19	-13	-44.19	-68.73	-58.89	11.80	13.50	H
	6902.50	-59.27	-13	-46.27	-64.52	-62.57	8.30	11.60	V
	10358.25	-53.44	-13	-40.44	-62.84	-54.96	10.48	12.00	V
	13811.00	-57.13	-13	-44.13	-68.76	-58.83	11.80	13.50	V
LTE Band 7 Middle	5079.00	-59.50	-25	-34.50	-63.12	-65.06	7.14	12.70	H
	7618.50	-58.62	-25	-33.62	-64.51	-61.92	8.30	11.60	H
	10158.00	-57.29	-25	-32.29	-67.41	-58.81	10.48	12.00	H
	5079.00	-59.46	-25	-34.46	-62.92	-65.02	7.14	12.70	V
	7618.50	-58.99	-25	-33.99	-65.4	-62.29	8.30	11.60	V
	10158.00	-58.55	-25	-33.55	-67.41	-60.07	10.48	12.00	V

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

EN-DC_41A_n78 / LTE 10MHz + NR 100MHz / QPSK / ANT3 (LTE) & ANT3(NR)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA. Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
n78 Middle	6902.50	-59.94	-13	-46.94	-64.86	-63.24	8.30	11.60	H
	10358.25	-55.46	-13	-42.46	-65.82	-56.98	10.48	12.00	H
	13811.00	-56.97	-13	-43.97	-68.51	-58.67	11.80	13.50	H
	6902.50	-59.84	-13	-46.84	-65.09	-63.14	8.30	11.60	V
	10358.25	-54.59	-13	-41.59	-63.99	-56.11	10.48	12.00	V
	13811.00	-57.14	-13	-44.14	-68.77	-58.84	11.80	13.50	V
LTE Band 41 Middle	5195.00	-59.34	-25	-34.34	-62.86	-64.90	7.14	12.70	H
	7792.50	-59.47	-25	-34.47	-64.89	-62.77	8.30	11.60	H
	10390.00	-57.43	-25	-32.43	-67.84	-58.95	10.48	12.00	H
	5195.00	-59.86	-25	-34.86	-63	-65.42	7.14	12.70	V
	7792.50	-59.55	-25	-34.55	-65.64	-62.85	8.30	11.60	V
	10390.00	-58.37	-25	-33.37	-67.86	-59.89	10.48	12.00	V

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

EN-DC_38A_n78 / LTE 10MHz + NR 100MHz / QPSK / ANT3 (LTE) & ANT3(NR)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA. Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
n78 Middle	6902.50	-59.01	-13	-46.01	-63.93	-62.31	8.30	11.60	H
	10358.25	-52.96	-13	-39.96	-63.32	-54.48	10.48	12.00	H
	13811.00	-57.07	-13	-44.07	-68.61	-58.77	11.80	13.50	H
	6902.50	-58.24	-13	-45.24	-63.49	-61.54	8.30	11.60	V
	10358.25	-52.76	-13	-39.76	-62.16	-54.28	10.48	12.00	V
	13811.00	-57.04	-13	-44.04	-68.67	-58.74	11.80	13.50	V
LTE Band 38 Middle	5199.00	-60.03	-25	-35.03	-63.55	-65.59	7.14	12.70	H
	7798.50	-59.96	-25	-34.96	-65.36	-63.26	8.30	11.60	H
	10398.00	-56.96	-25	-31.96	-67.39	-58.48	10.48	12.00	H
	5181.00	-60.44	-25	-35.44	-63.63	-66.00	7.14	12.70	V
	7771.50	-59.12	-25	-34.12	-65.25	-62.42	8.30	11.60	V
	10398.00	-57.76	-25	-32.76	-67.28	-59.28	10.48	12.00	V

EN-DC_66A_n78 / LTE 10MHz + NR 100MHz / QPSK / ANT3 (LTE) & ANT3(NR)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA. Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
n78 Middle	6902.50	-60.99	-13	-47.99	-65.91	-64.29	8.30	11.60	H
	10358.25	-54.28	-13	-41.28	-64.64	-55.80	10.48	12.00	H
	13811.00	-57.16	-13	-44.16	-68.70	-58.86	11.80	13.50	H
	6902.50	-60.68	-13	-47.68	-65.93	-63.98	8.30	11.60	V
	10358.25	-53.14	-13	-40.14	-62.54	-54.66	10.48	12.00	V
	13811.00	-56.85	-13	-43.85	-68.48	-58.55	11.80	13.50	V
LTE Band 66 Middle	3499	-63.52	-13	-50.52	-59.51	-70.37	5.65	12.50	H
	5248.5	-59.65	-13	-46.65	-62.62	-65.32	7.13	12.80	H
	6998	-59.75	-13	-46.75	-64.87	-63.15	8.40	11.80	H
	3499	-63.30	-13	-50.30	-59.32	-70.15	5.65	12.50	V
	5248.5	-60.25	-13	-47.25	-62.78	-65.92	7.13	12.80	V
	6998	-59.66	-13	-46.66	-64.96	-63.06	8.40	11.80	V

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

SA n77 MIMO / NR 100MHz / QPSK DFT-s-OFDM / ANT3+1									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA. Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6901.50	-58.74	-13	-45.74	-63.65	-62.04	8.30	11.60	H
	10352.25	-49.07	-13	-36.07	-59.43	-50.59	10.48	12.00	H
	13803.00	-57.19	-13	-44.19	-68.76	-58.89	11.80	13.50	H
	6901.50	-58.71	-13	-45.71	-63.96	-62.01	8.30	11.60	V
	10352.25	-50.03	-13	-37.03	-59.42	-51.55	10.48	12.00	V
	13803.00	-56.85	-13	-43.85	-68.47	-58.55	11.80	13.50	V

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