N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH
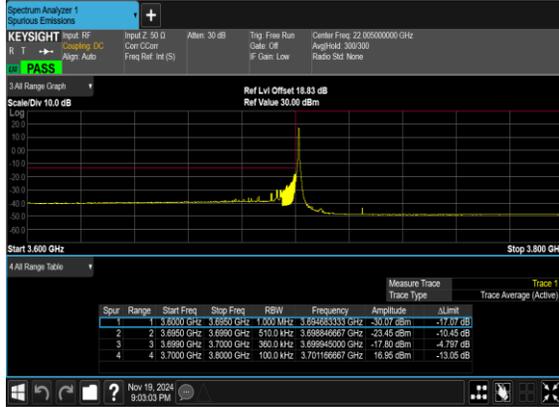

N77(50M)_CP-OFDM_QPSK_Outer_Full_Low_CH

N77(50M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH

N77(50M)_CP-OFDM_QPSK_Outer_Full_High_CH

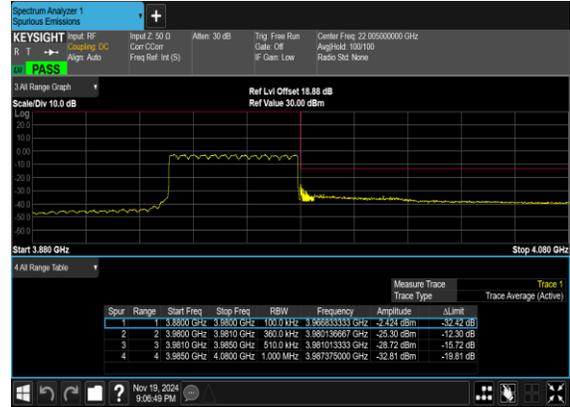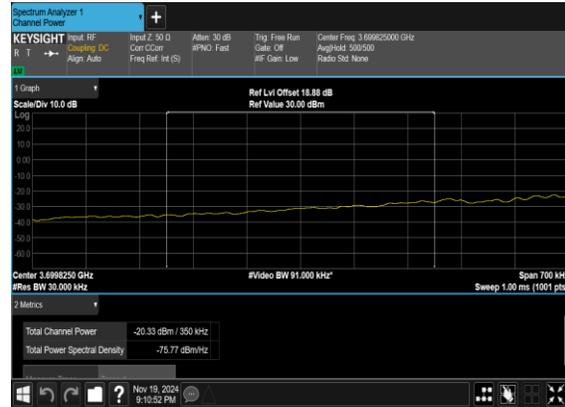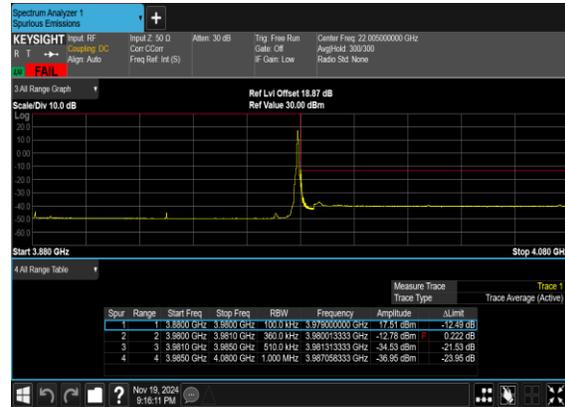### N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH

N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS

N77(100M)_CP-OFDM_QPSK_Outer_Full_Low_CH

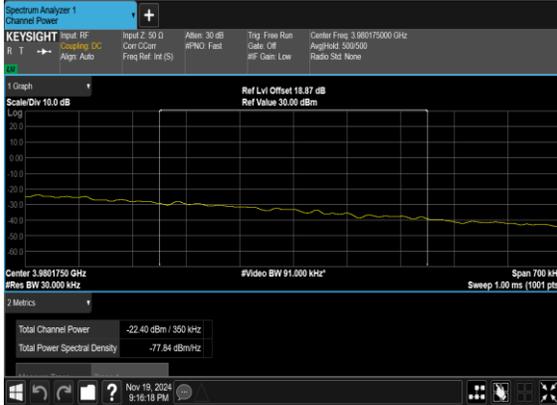### N77(100M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH

N77(100M)_CP-OFDM_QPSK
_Edge_1RB_Right_High_CH**_CHP_PASS**

N77(100M)_CP-
OFDM_QPSK_Outer_Full_High_CH

Software Version: 23.06.1602

FR1 N77 MIMO-ANT10+4(4)

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	17.4	**PASS**	NV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	17.8	**PASS**	LV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	11	**PASS**	HV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	18.2	**PASS**	-30℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	11.8	**PASS**	-20℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	17.3	**PASS**	-10℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	11.2	**PASS**	0℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	15.3	**PASS**	10℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	11	**PASS**	20℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	19.3	**PASS**	30℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	12.4	**PASS**	40℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	17.7	**PASS**	50℃

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	6.62	13	**PASS**

N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
77	30	10	656000	3840.0	CP-OFDM QPSK	24@0	8.5723	9.444
77	30	10	656000	3840.0	CP-OFDM 16 QAM	24@0	8.5707	9.449
77	30	10	656000	3840.0	CP-OFDM 64 QAM	24@0	8.577	9.582
77	30	10	656000	3840.0	CP-OFDM 256 QAM	24@0	8.5816	9.687
77	30	15	656000	3840.0	CP-OFDM QPSK	38@0	13.523	14.65
77	30	15	656000	3840.0	CP-OFDM 16 QAM	38@0	13.588	14.42
77	30	15	656000	3840.0	CP-OFDM 64 QAM	38@0	13.526	14.4
77	30	15	656000	3840.0	CP-OFDM 256 QAM	38@0	13.566	14.47
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	18.126	18.94
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	18.181	19.55
77	30	20	656000	3840.0	CP-OFDM 64 QAM	51@0	18.297	19.48
77	30	20	656000	3840.0	CP-OFDM 256 QAM	51@0	18.206	19.31
77	30	25	656000	3840.0	CP-OFDM QPSK	65@0	23.261	24.78
77	30	25	656000	3840.0	CP-OFDM 16 QAM	65@0	23.27	24.7
77	30	25	656000	3840.0	CP-OFDM 64 QAM	65@0	23.289	24.34
77	30	25	656000	3840.0	CP-OFDM 256 QAM	65@0	23.198	24.55
77	30	30	656000	3840.0	CP-OFDM QPSK	78@0	27.856	29.5
77	30	30	656000	3840.0	CP-OFDM 16 QAM	78@0	27.825	29.38
77	30	30	656000	3840.0	CP-OFDM 64 QAM	78@0	27.763	29.19
77	30	30	656000	3840.0	CP-OFDM 256 QAM	78@0	27.895	29.78
77	30	40	656000	3840.0	CP-OFDM QPSK	106@0	37.91	39.6
77	30	40	656000	3840.0	CP-OFDM 16 QAM	106@0	37.81	39.59

77	30	40	656000	3840.0	CP-OFDM 64 QAM	106@0	37.821	39.25
77	30	40	656000	3840.0	CP-OFDM 256 QAM	106@0	37.963	39.29
77	30	50	656000	3840.0	CP-OFDM QPSK	133@0	47.327	50.93
77	30	50	656000	3840.0	CP-OFDM 16 QAM	133@0	47.401	48.96
77	30	50	656000	3840.0	CP-OFDM 64 QAM	133@0	47.563	48.96
77	30	50	656000	3840.0	CP-OFDM 256 QAM	133@0	47.554	49.4
77	30	60	656000	3840.0	CP-OFDM QPSK	162@0	57.683	59.7
77	30	60	656000	3840.0	CP-OFDM 16 QAM	162@0	57.801	59.71
77	30	60	656000	3840.0	CP-OFDM 64 QAM	162@0	57.99	59.73
77	30	60	656000	3840.0	CP-OFDM 256 QAM	162@0	57.948	59.91
77	30	70	656000	3840.0	CP-OFDM QPSK	189@0	67.517	69.7
77	30	70	656000	3840.0	CP-OFDM 16 QAM	189@0	67.605	69.71
77	30	70	656000	3840.0	CP-OFDM 64 QAM	189@0	67.555	69.93
77	30	70	656000	3840.0	CP-OFDM 256 QAM	189@0	67.561	69.73
77	30	80	656000	3840.0	CP-OFDM QPSK	217@0	77.531	79.87
77	30	80	656000	3840.0	CP-OFDM 16 QAM	217@0	77.545	80.1
77	30	80	656000	3840.0	CP-OFDM 64 QAM	217@0	77.347	80.14
77	30	80	656000	3840.0	CP-OFDM 256 QAM	217@0	77.612	80.12
77	30	90	656000	3840.0	CP-OFDM QPSK	245@0	87.514	90.38
77	30	90	656000	3840.0	CP-OFDM 16 QAM	245@0	87.542	90.27
77	30	90	656000	3840.0	CP-OFDM 64 QAM	245@0	87.497	90.18
77	30	90	656000	3840.0	CP-OFDM 256 QAM	245@0	87.618	90.14
77	30	100	656000	3840.0	CP-OFDM QPSK	273@0	97.31	100.5
77	30	100	656000	3840.0	CP-OFDM 16 QAM	273@0	97.322	100.5
77	30	100	656000	3840.0	CP-OFDM 64 QAM	273@0	97.384	100.6

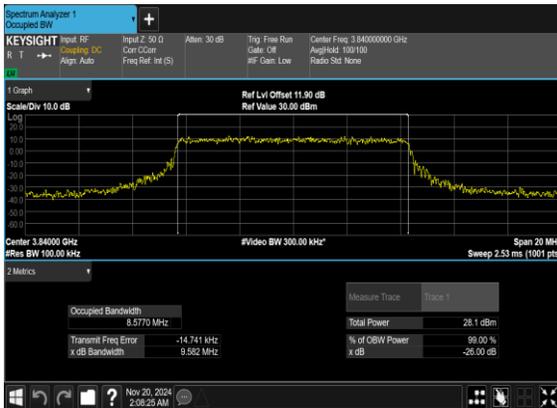| 77	30	100	656000	3840.0	CP-OFDM 256 QAM	273@0	97.472	100.4

N77(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH
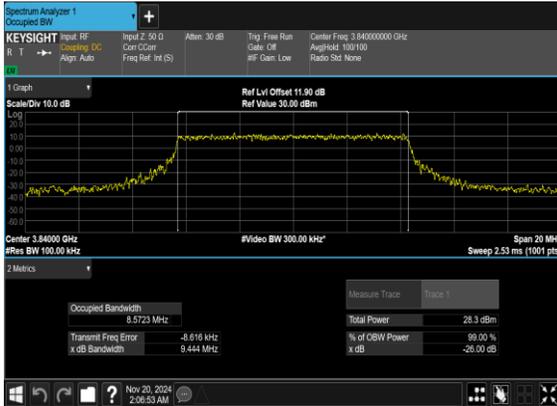
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N77(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH
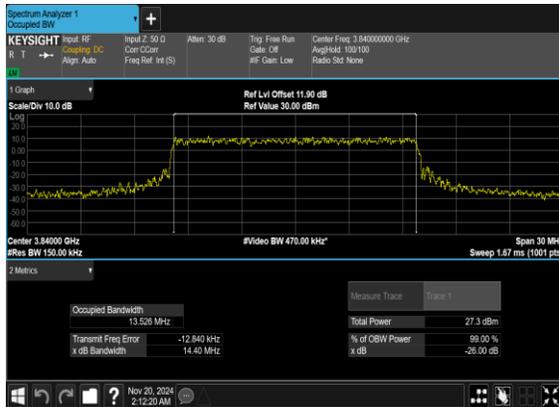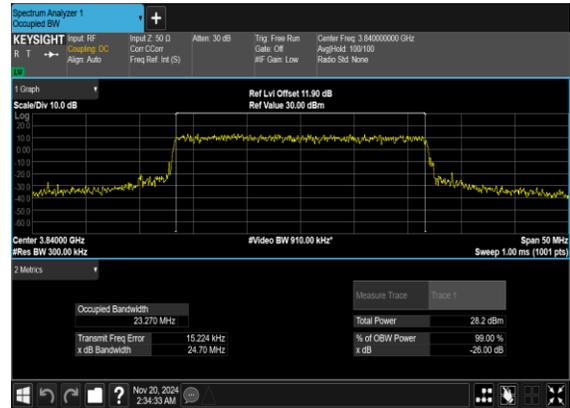

N77(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

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
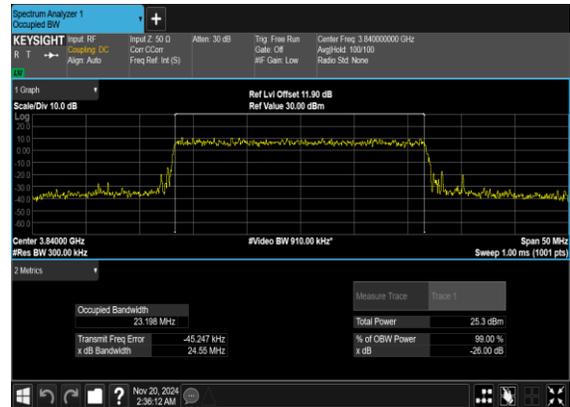
N77(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(25M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N77(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N77(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N77(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N77(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH
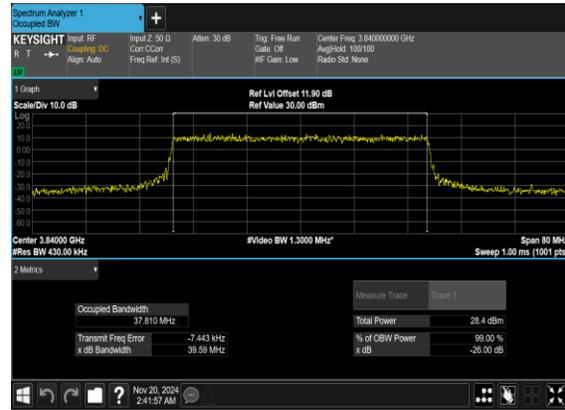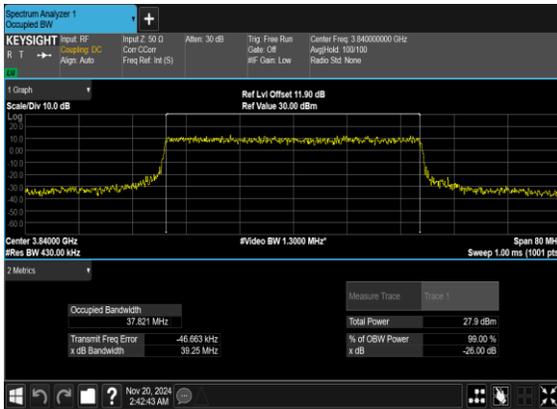

N77(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N77(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N77(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N77(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N77(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
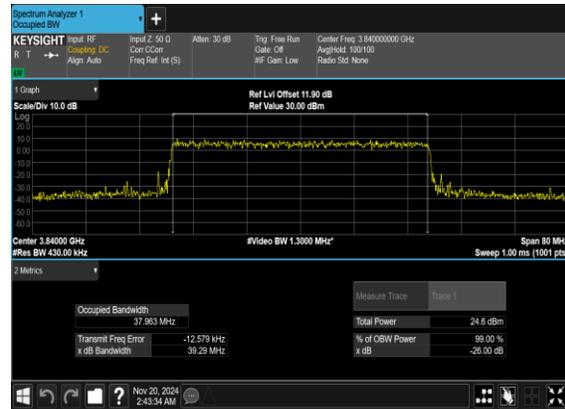
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N77(60M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

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
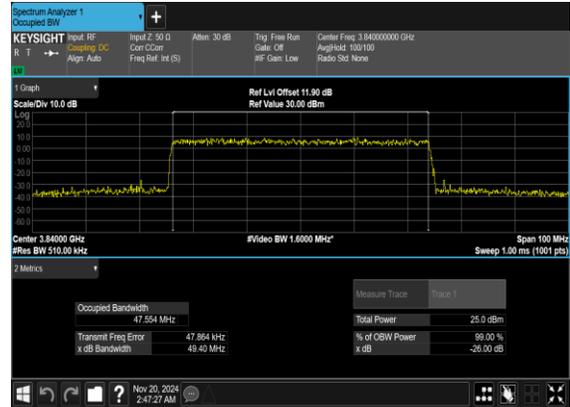

N77(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

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
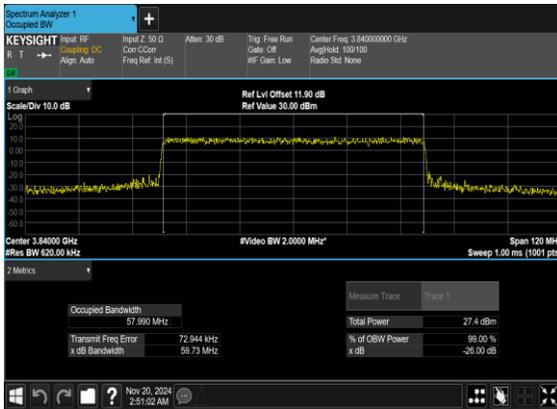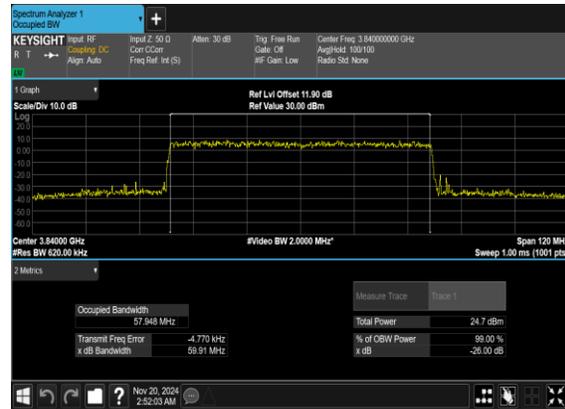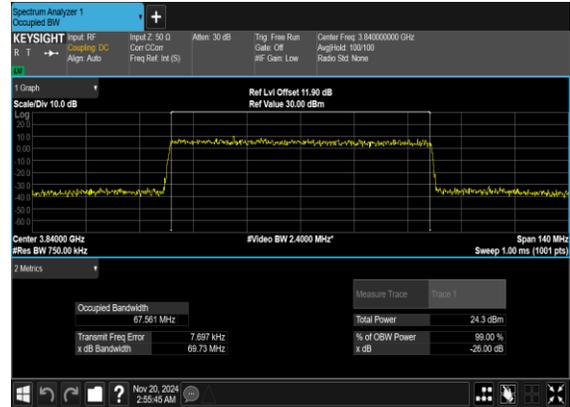
N77(100M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH

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

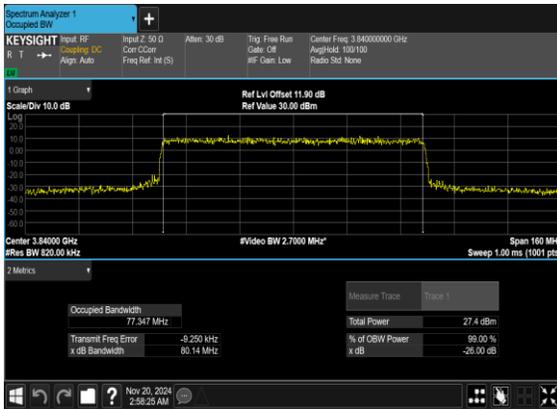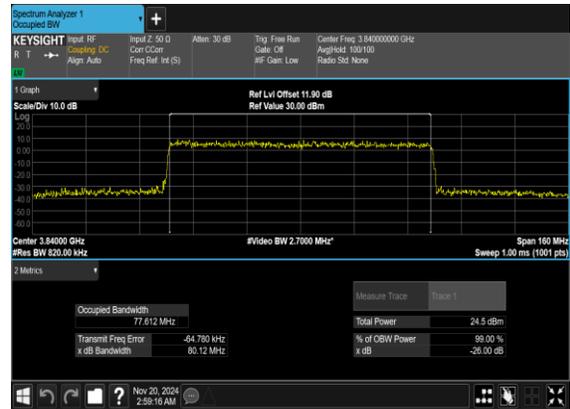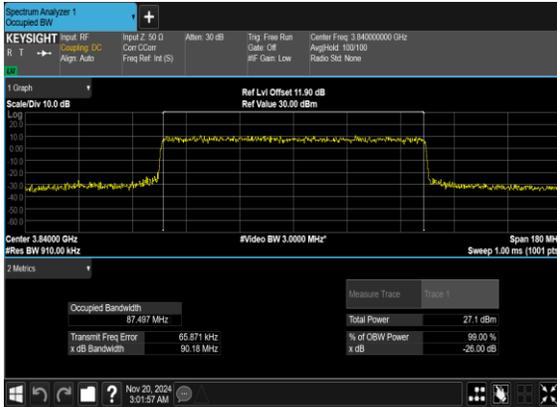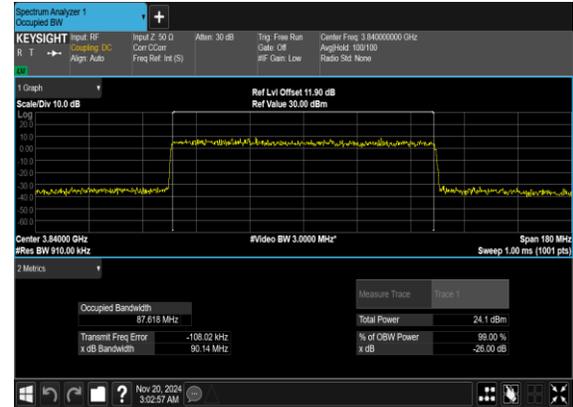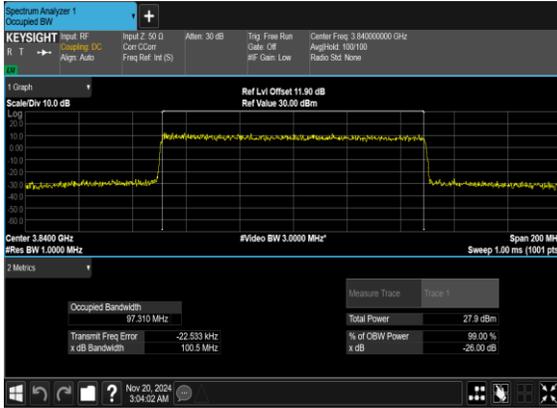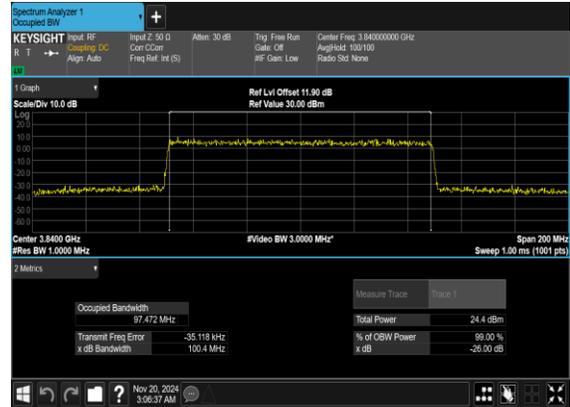## Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	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

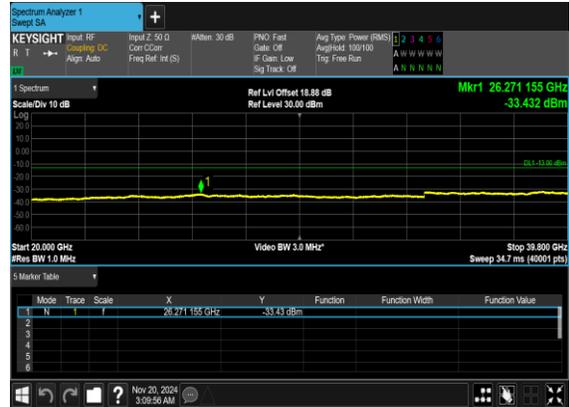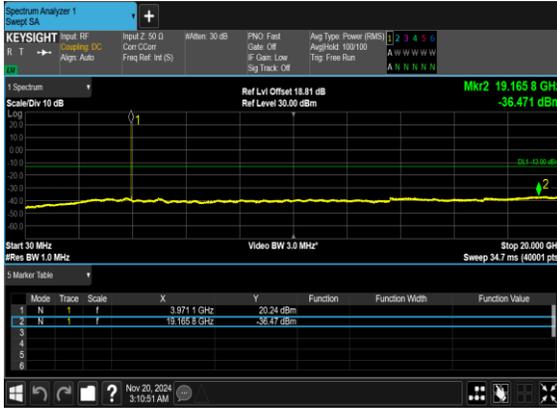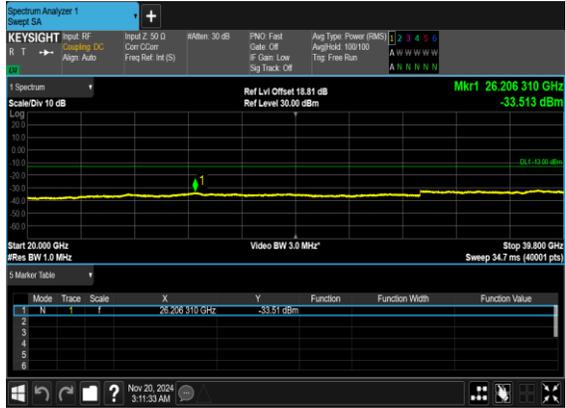| NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	647000	3705.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	647000	3705.0	CP-OFDM QPSK	24@0	see graph	**PASS**
77	30	10	665000	3975.0	CP-OFDM QPSK	1@23	see graph	**PASS**
77	30	10	665000	3975.0	CP-OFDM QPSK	24@0	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
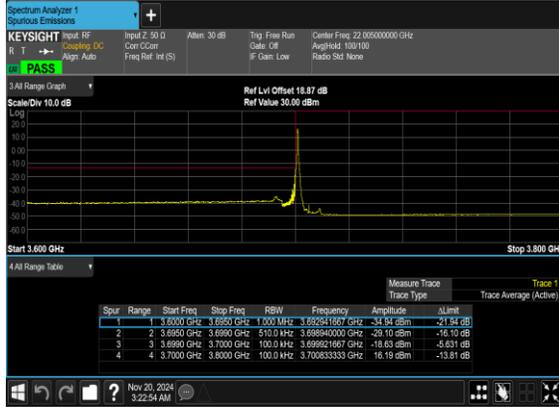
N77(10M)_CP-OFDM_QPSK_Outer_Full_Low_CH
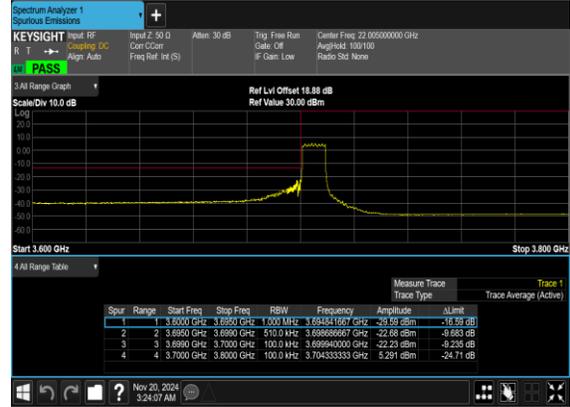
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH

N77(10M)_CP-OFDM_QPSK_Outer_Full_High_CH
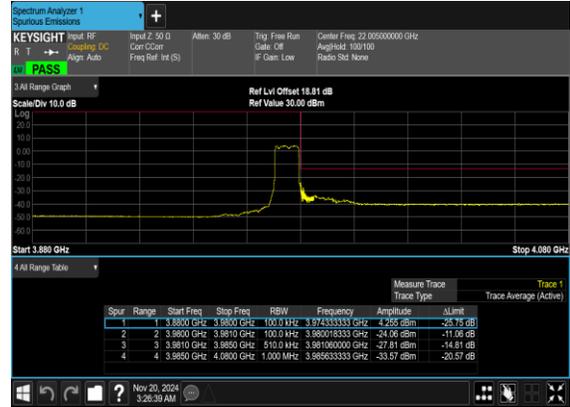
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH
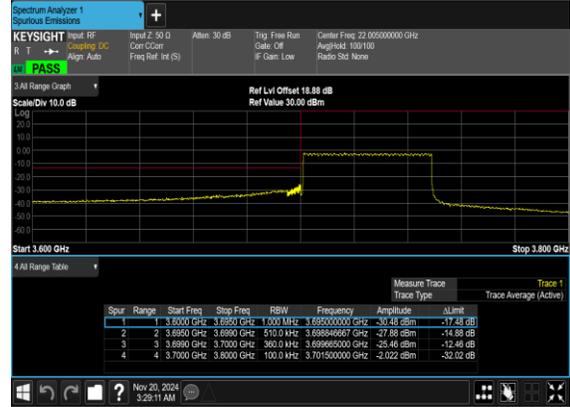
N77(50M)_CP-OFDM_QPSK_Outer_Full_Low_CH

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_Edge_1RB_Right_High_CH**CHP_PASS**

N77(100M)_CP-OFDM_QPSK_Outer_Full_High_CH
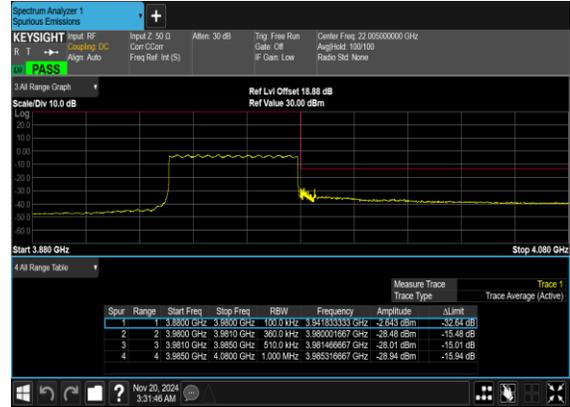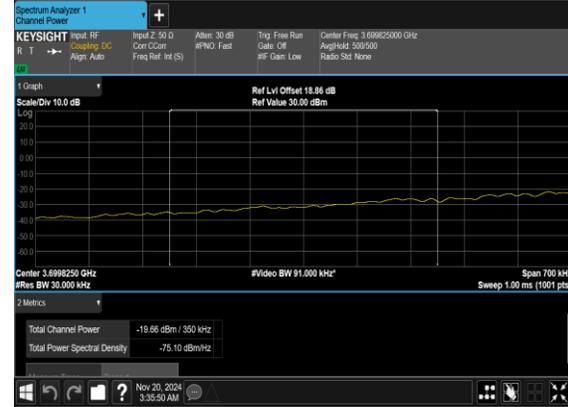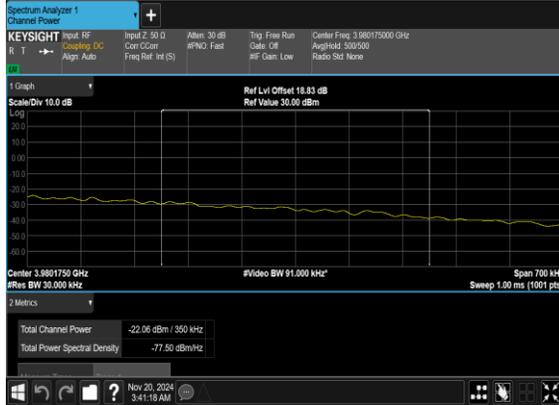
Software Version: 23.06.1602

FR1 N78 MIMO-ANT10+4

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=-1.8dB

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	ANT10 Power (dBm)	ANT4 Power (dBm)	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
78	30	10	647000	3705	CP-OFDM QPSK	1@1	23.18	22.38	25.81	24.01	0.2518
78	30	10	647000	3705	CP-OFDM 16 QAM	1@1	22.49	22.3	25.41	23.61	0.2296
78	30	10	650000	3750	CP-OFDM QPSK	1@1	23.22	22.77	26.01	24.21	0.2636
78	30	10	650000	3750	CP-OFDM 16 QAM	1@1	22.62	22.62	25.63	23.83	0.2415
78	30	10	653000	3795	CP-OFDM QPSK	1@1	23.14	22.9	26.03	24.23	0.2649
78	30	10	653000	3795	CP-OFDM 16 QAM	1@1	22.56	22.66	25.62	23.82	0.2410
78	30	15	647168	3707.52	CP-OFDM QPSK	1@1	23.16	22.46	25.83	24.03	0.2529
78	30	15	647168	3707.52	CP-OFDM 16 QAM	1@1	22.56	22.36	25.47	23.67	0.2328
78	30	15	650000	3750	CP-OFDM QPSK	1@1	23.2	22.8	26.01	24.21	0.2636
78	30	15	650000	3750	CP-OFDM 16 QAM	1@1	22.58	22.64	25.62	23.82	0.2410
78	30	15	652832	3792.48	CP-OFDM QPSK	1@1	23.1	22.82	25.97	24.17	0.2612
78	30	15	652832	3792.48	CP-OFDM 16 QAM	1@1	22.59	22.64	25.63	23.83	0.2415
78	30	20	647334	3710.01	CP-OFDM QPSK	1@1	23	22.35	25.70	23.9	0.2455
78	30	20	647334	3710.01	CP-OFDM 16 QAM	1@1	22.37	22.22	25.31	23.51	0.2244
78	30	20	650000	3750	CP-OFDM QPSK	1@1	23.1	22.74	25.93	24.13	0.2588
78	30	20	650000	3750	CP-OFDM 16 QAM	1@1	22.53	22.49	25.52	23.72	0.2355
78	30	20	652666	3789.99	CP-OFDM QPSK	1@1	23.01	22.77	25.90	24.1	0.2570
78	30	20	652666	3789.99	CP-OFDM 16 QAM	1@1	22.47	22.51	25.50	23.7	0.2344
78	30	25	647500	3712.5	CP-OFDM QPSK	1@1	23.15	22.57	25.88	24.08	0.2559
78	30	25	647500	3712.5	CP-OFDM 16 QAM	1@1	22.45	22.31	25.39	23.59	0.2286
78	30	25	650000	3750	CP-OFDM QPSK	1@1	23.21	22.88	26.06	24.26	0.2667
78	30	25	650000	3750	CP-OFDM 16 QAM	1@1	22.79	22.64	25.73	23.93	0.2472
78	30	25	652500	3787.5	CP-OFDM QPSK	1@1	23.25	22.96	26.12	24.32	0.2704
78	30	25	652500	3787.5	CP-OFDM 16 QAM	1@1	22.63	22.72	25.69	23.89	0.2449
78	30	30	647668	3715.02	CP-OFDM QPSK	1@1	23.26	22.54	25.93	24.13	0.2588
78	30	30	647668	3715.02	CP-OFDM 16 QAM	1@1	22.65	22.42	25.55	23.75	0.2371
78	30	30	650000	3750	CP-OFDM QPSK	1@1	23.26	22.85	26.07	24.27	0.2673
78	30	30	650000	3750	CP-OFDM 16 QAM	1@1	22.68	22.73	25.72	23.92	0.2466
78	30	30	652332	3784.98	CP-OFDM QPSK	1@1	23.23	22.85	26.05	24.25	0.2661
78	30	30	652332	3784.98	CP-OFDM 16 QAM	1@1	22.69	22.67	25.69	23.89	0.2449
78	30	40	648000	3720	CP-OFDM QPSK	1@1	23.14	22.52	25.85	24.05	0.2541
78	30	40	648000	3720	CP-OFDM 16 QAM	1@1	22.6	22.32	25.47	23.67	0.2328
78	30	40	650000	3750	CP-OFDM QPSK	1@1	23.2	22.74	25.99	24.19	0.2624
78	30	40	650000	3750	CP-OFDM 16 QAM	1@1	22.66	22.52	25.60	23.8	0.2399
78	30	40	652000	3780	CP-OFDM QPSK	1@1	23.28	22.94	26.12	24.32	0.2704
78	30	40	652000	3780	CP-OFDM 16 QAM	1@1	22.65	22.71	25.69	23.89	0.2449
78	30	50	648334	3725.01	CP-OFDM QPSK	1@1	23.34	22.68	26.03	24.23	0.2649
78	30	50	648334	3725.01	CP-OFDM 16 QAM	1@1	22.76	22.42	25.60	23.8	0.2399

78	30	50	650000	3750	CP-OFDM QPSK	1@1	23.36	22.78	26.09	24.29	0.2685
78	30	50	650000	3750	CP-OFDM 16 QAM	1@1	22.77	22.54	25.67	23.87	0.2438
78	30	50	651666	3774.99	CP-OFDM QPSK	1@1	23.44	22.8	26.14	24.34	0.2716
78	30	50	651666	3774.99	CP-OFDM 16 QAM	1@1	22.81	22.67	25.75	23.95	0.2483
78	30	60	648668	3730.02	CP-OFDM QPSK	1@1	23.12	22.45	25.81	24.01	0.2518
78	30	60	648668	3730.02	CP-OFDM 16 QAM	1@1	22.52	22.35	25.45	23.65	0.2317
78	30	60	650000	3750	CP-OFDM QPSK	1@1	23.03	22.61	25.84	24.04	0.2535
78	30	60	650000	3750	CP-OFDM 16 QAM	1@1	22.49	22.47	25.49	23.69	0.2339
78	30	60	651332	3769.98	CP-OFDM QPSK	1@1	23.31	22.7	26.03	24.23	0.2649
78	30	60	651332	3769.98	CP-OFDM 16 QAM	1@1	22.61	22.56	25.60	23.8	0.2399
78	30	70	649000	3735	CP-OFDM QPSK	1@1	23.49	22.65	26.10	24.3	0.2692
78	30	70	649000	3735	CP-OFDM 16 QAM	1@1	22.68	22.42	25.56	23.76	0.2377
78	30	70	650000	3750	CP-OFDM QPSK	1@1	23.46	22.77	26.14	24.34	0.2716
78	30	70	650000	3750	CP-OFDM 16 QAM	1@1	22.66	22.45	25.57	23.77	0.2382
78	30	70	651000	3765	CP-OFDM QPSK	1@1	23.47	22.86	26.19	24.39	0.2748
78	30	70	651000	3765	CP-OFDM 16 QAM	1@1	22.76	22.57	25.68	23.88	0.2443
78	30	80	649334	3740.01	CP-OFDM QPSK	1@1	23.41	22.57	26.02	24.22	0.2642
78	30	80	649334	3740.01	CP-OFDM 16 QAM	1@1	22.61	22.34	25.49	23.69	0.2339
78	30	80	650000	3750	CP-OFDM QPSK	1@1	23.42	22.65	26.06	24.26	0.2667
78	30	80	650000	3750	CP-OFDM 16 QAM	1@1	22.66	22.35	25.52	23.72	0.2355
78	30	80	650666	3759.99	CP-OFDM QPSK	1@1	23.4	22.75	26.10	24.3	0.2692
78	30	80	650666	3759.99	CP-OFDM 16 QAM	1@1	22.5	22.42	25.47	23.67	0.2328
78	30	90	649668	3745.02	CP-OFDM QPSK	1@1	23.54	22.63	26.12	24.32	0.2704
78	30	90	649668	3745.02	CP-OFDM 16 QAM	1@1	22.78	22.49	25.65	23.85	0.2427
78	30	90	650000	3750	CP-OFDM QPSK	1@1	23.44	22.64	26.07	24.27	0.2673
78	30	90	650000	3750	CP-OFDM 16 QAM	1@1	22.68	22.41	25.56	23.76	0.2377
78	30	90	650332	3754.98	CP-OFDM QPSK	1@1	23.48	22.61	26.08	24.28	0.2679
78	30	90	650332	3754.98	CP-OFDM 16 QAM	1@1	22.95	22.52	25.75	23.95	0.2483
78	30	100	650000	3750	CP-OFDM QPSK	137@68	23.12	22.79	25.97	24.17	0.2612
78	30	100	650000	3750	CP-OFDM QPSK	1@1	23.49	22.71	26.13	24.33	0.2710
78	30	100	650000	3750	CP-OFDM QPSK	1@271	23.59	23.12	26.37	24.57	0.2864
78	30	100	650000	3750	CP-OFDM 16 QAM	137@68	22.7	22.4	25.56	23.76	0.2377
78	30	100	650000	3750	CP-OFDM 16 QAM	1@1	22.69	22.49	25.60	23.8	0.2399
78	30	100	650000	3750	CP-OFDM 16 QAM	1@271	22.78	22.82	25.81	24.01	0.2518
78	30	100	650000	3750	CP-OFDM 64 QAM	137@68	21.17	20.77	23.98	22.18	0.1652
78	30	100	650000	3750	CP-OFDM 64 QAM	1@1	21.01	20.5	23.77	21.97	0.1574
78	30	100	650000	3750	CP-OFDM 64 QAM	1@271	21.11	20.87	24.00	22.2	0.1660
78	30	100	650000	3750	CP-OFDM 256 QAM	137@68	18.19	17.46	20.85	19.05	0.0804
78	30	100	650000	3750	CP-OFDM 256 QAM	1@1	18.27	17.52	20.92	19.12	0.0817
78	30	100	650000	3750	CP-OFDM 256 QAM	1@271	18.29	17.83	21.08	19.28	0.0847

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Smile Wang	Temperature :	23~25℃
		Relative Humidity :	41~42%

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

	n77 SA / NR 100MHz / QPSK(ANT10)							
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7583	-54.27	-13	-41.27	-64.48	3.03	13.24	H
	11389	-58.76	-13	-45.76	-68.21	3.56	13.01	H
	15184	-58.56	-13	-45.56	-68.08	3.92	13.44	H
	7583	-46.92	-13	-33.92	-57.13	3.03	13.24	V
	11389	-59.19	-13	-46.19	-68.64	3.56	13.01	V
	15184	-59.18	-13	-46.18	-68.70	3.92	13.44	V

	EN-DC_41A_n77A / LTE 10MHz + NR 100MHz / QPSK(ANT5+10)							
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7583	-56.25	-13	-43.25	-66.46	3.03	13.24	H
	11389	-58.78	-13	-45.78	-68.23	3.56	13.01	H
	15184	-58.98	-13	-45.98	-68.50	3.92	13.44	H
	7583	-47.06	-13	-34.06	-57.27	3.03	13.24	V
	11389	-59.10	-13	-46.10	-68.55	3.56	13.01	V
	15184	-58.66	-13	-45.66	-68.18	3.92	13.44	V

	n77 UL MIMO / 100MHz / QPSK(ANT10+4)							
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7410	-62.80	-13	-49.80	-73.01	3.03	13.24	H
	11115	-61.41	-13	-48.41	-70.86	3.56	13.01	H
	14820	-59.45	-13	-46.45	-68.97	3.92	13.44	H
	7410	-62.89	-13	-49.89	-73.10	3.03	13.24	V
	11115	-61.21	-13	-48.21	-70.66	3.56	13.01	V
	14820	-58.87	-13	-45.87	-68.39	3.92	13.44	V

n77 SA / NR 100MHz / QPSK(ANT6) - Other PA							
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7583	-59.52	-13	-46.52	-69.73	3.03	13.24	H
	11378	-55.22	-13	-42.22	-64.67	3.56	13.01	H
	15184	-59.19	-13	-46.19	-68.71	3.92	13.44	H
	7583	-54.80	-13	-41.80	-65.01	3.03	13.24	V
	11378	-45.42	-13	-32.42	-54.87	3.56	13.01	V
	15184	-59.06	-13	-46.06	-68.58	3.92	13.44	V

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