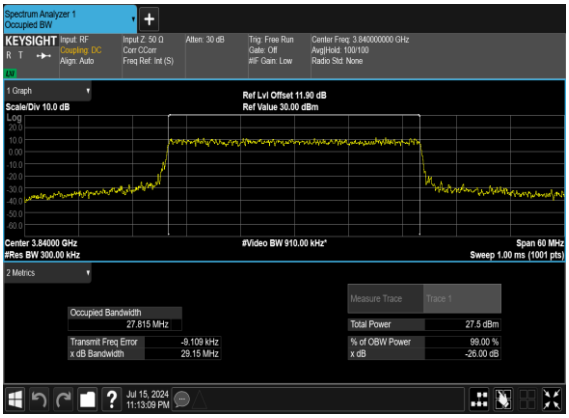
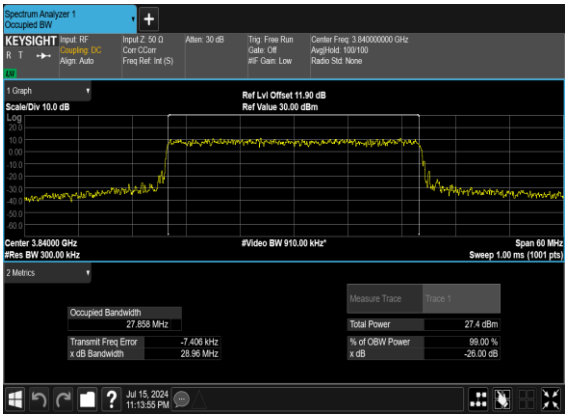
N77(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

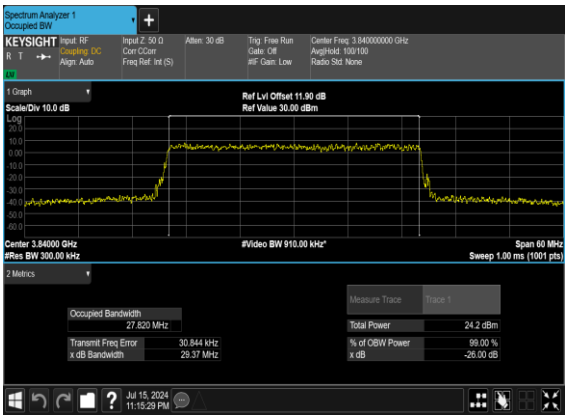


N77(30M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

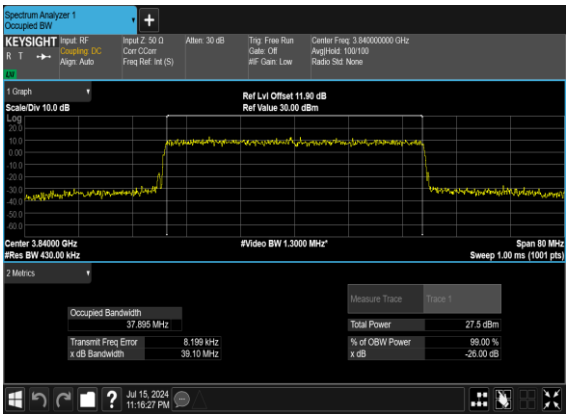


N77(30M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

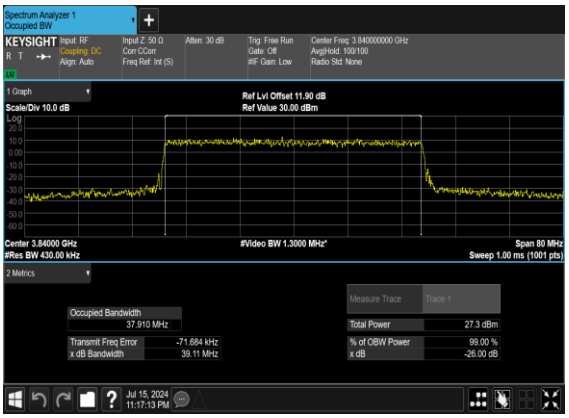
N77(30M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



N77(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

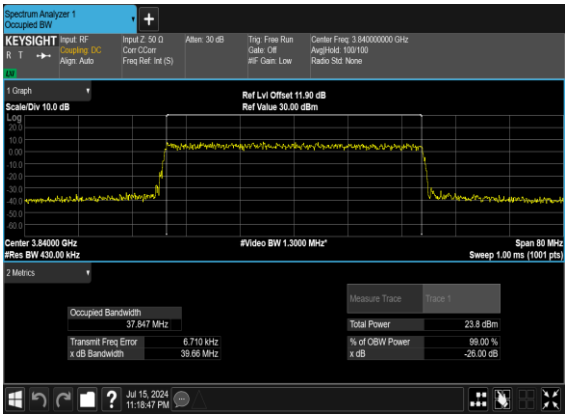


N77(40M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

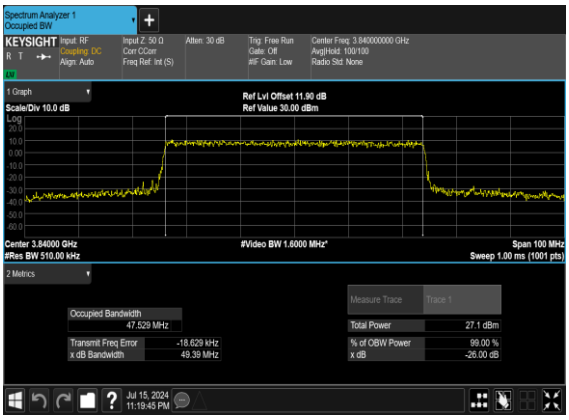


N77(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

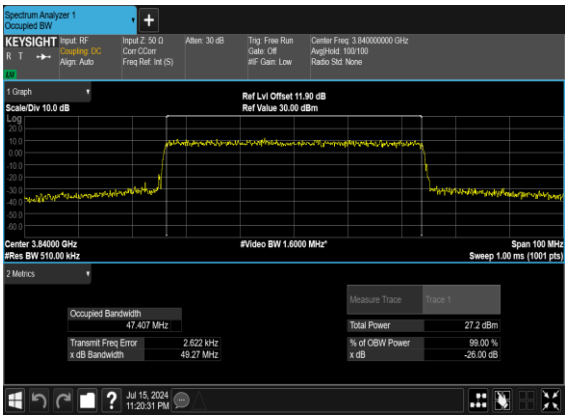
N77(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



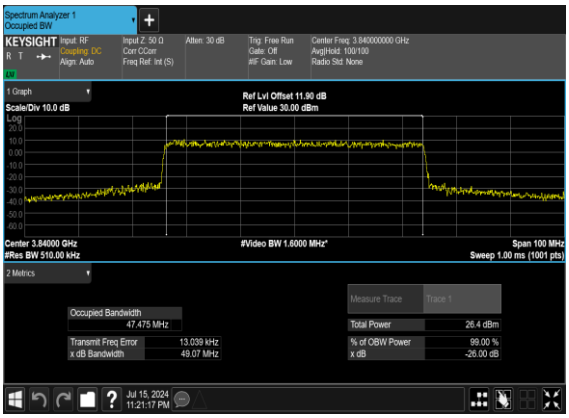
N77(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



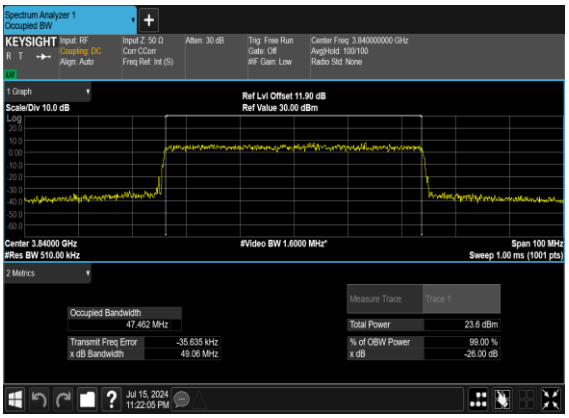
N77(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



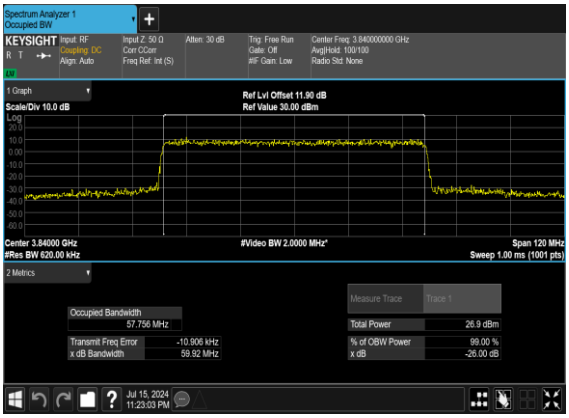
N77(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

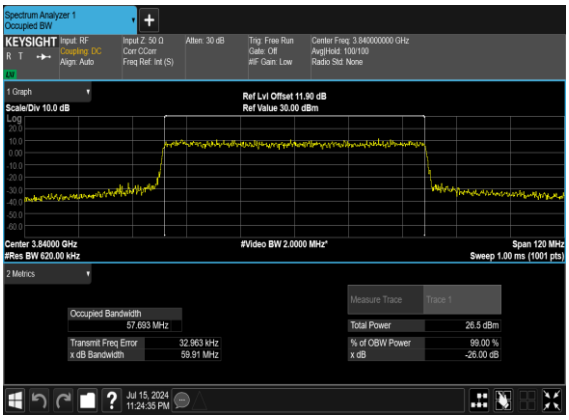


N77(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

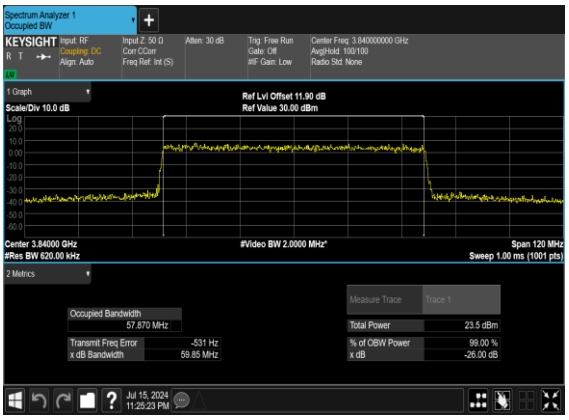


N77(60M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

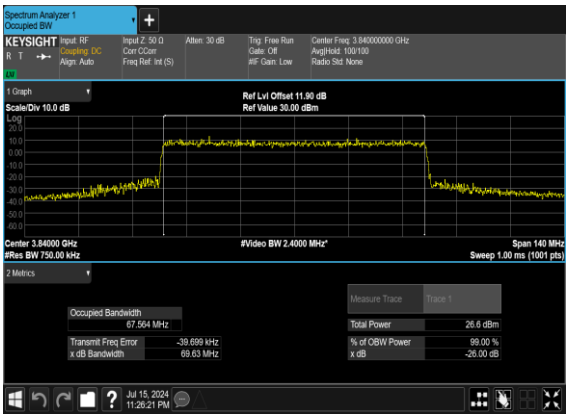
N77(60M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



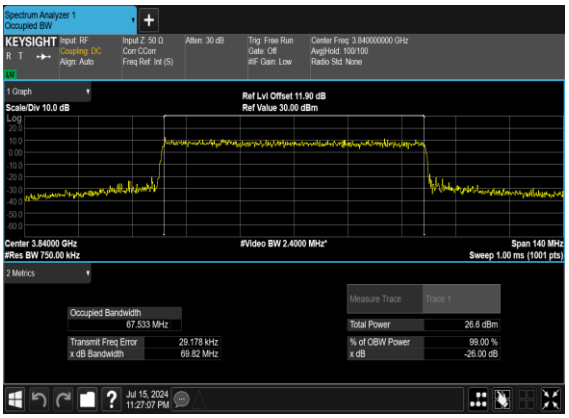
N77(60M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



N77(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N77(70M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



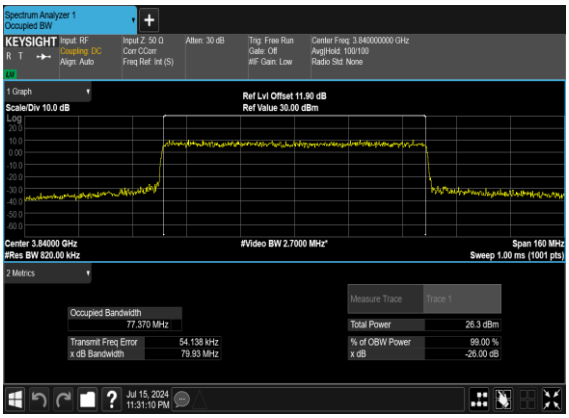
N77(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N77(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N77(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

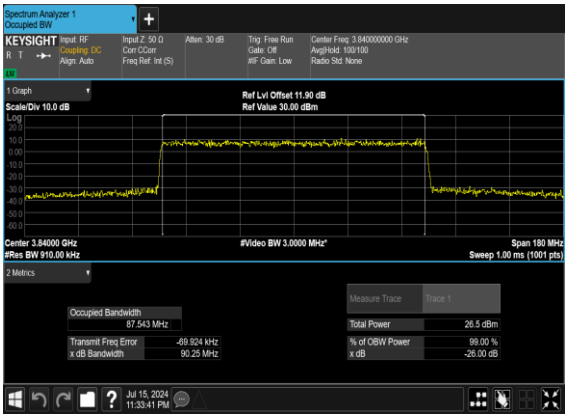
N77(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

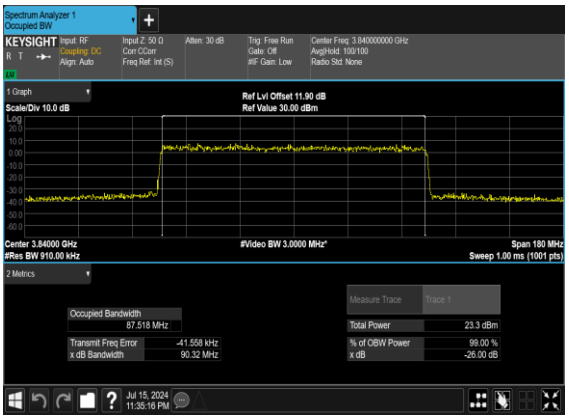
N77(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(90M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

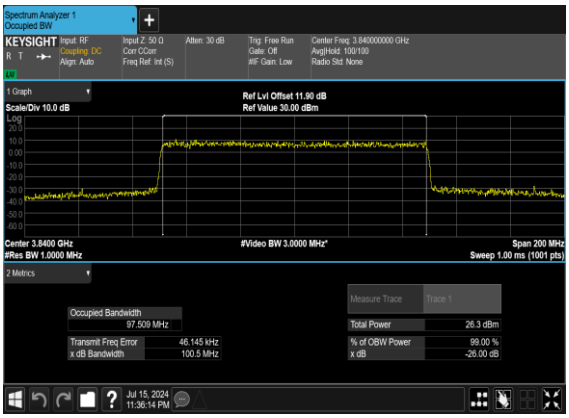


N77(90M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

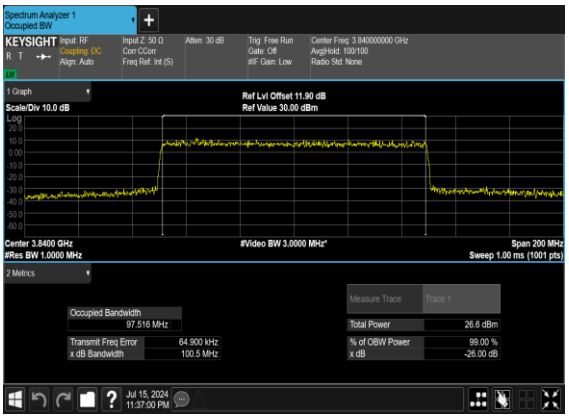
N77(90M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



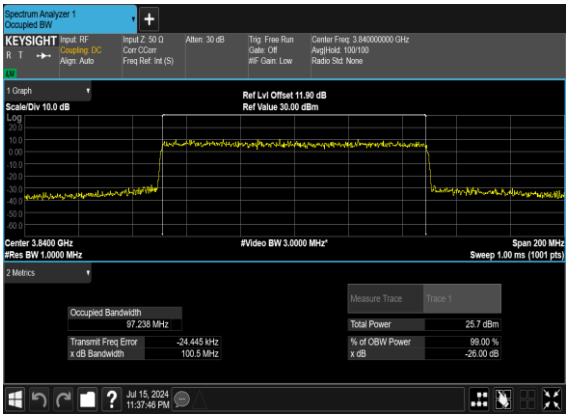
N77(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



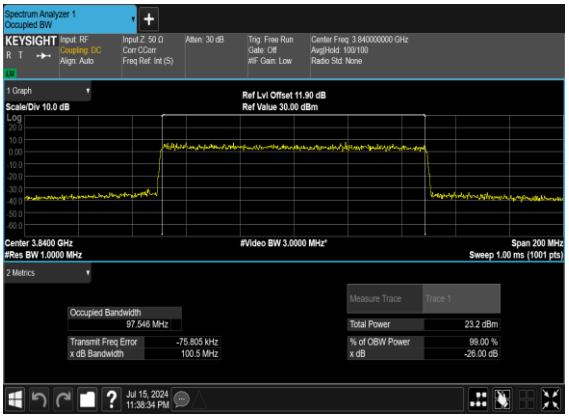
N77(100M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



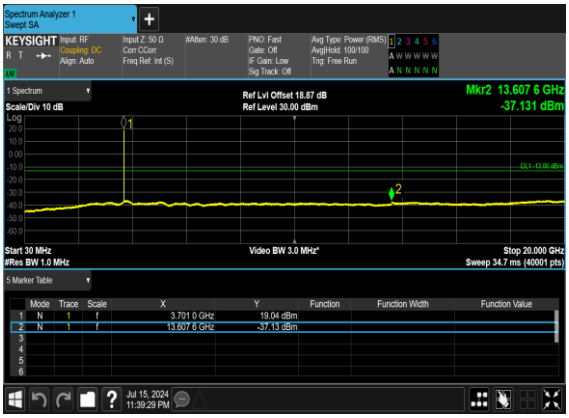
N77(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



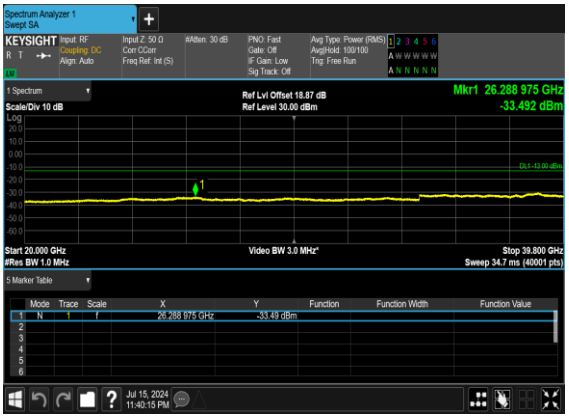
Conducted Spurious Emissions

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**

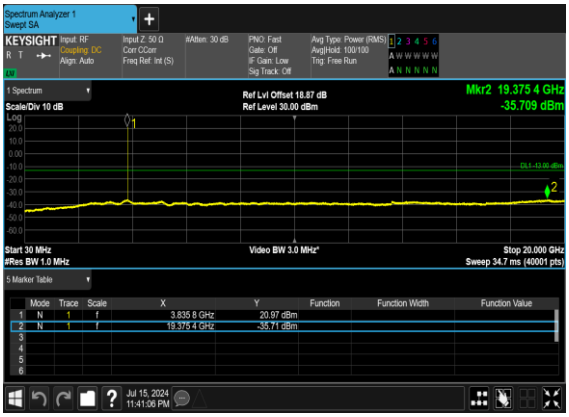
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



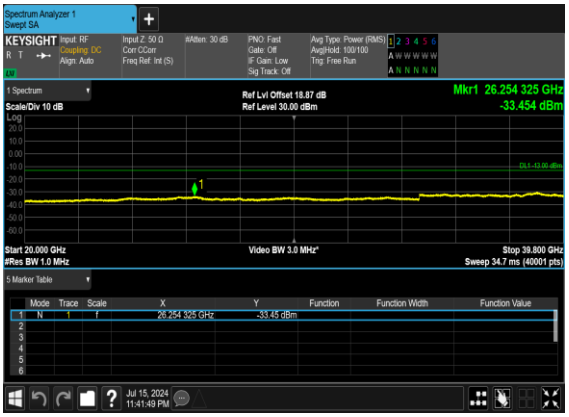
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



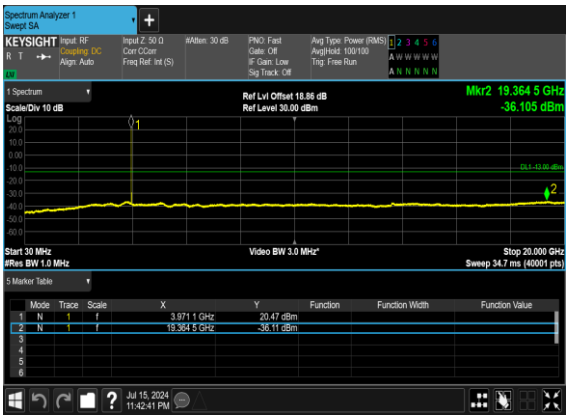
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



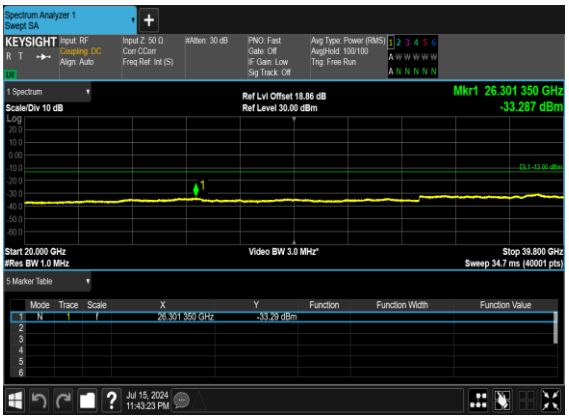
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



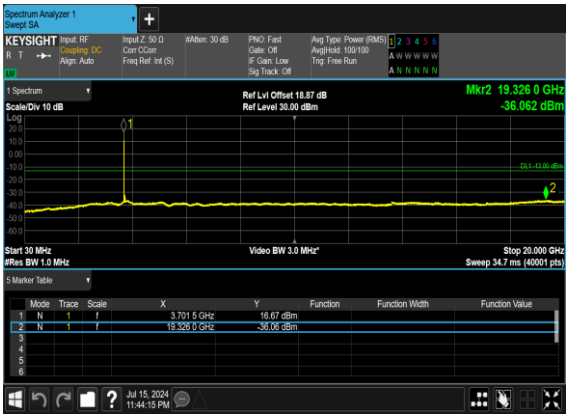
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



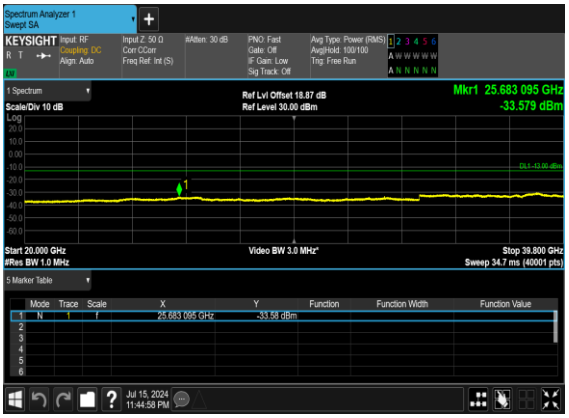
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



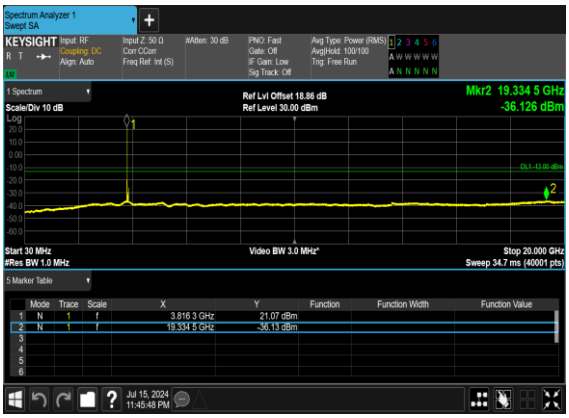
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



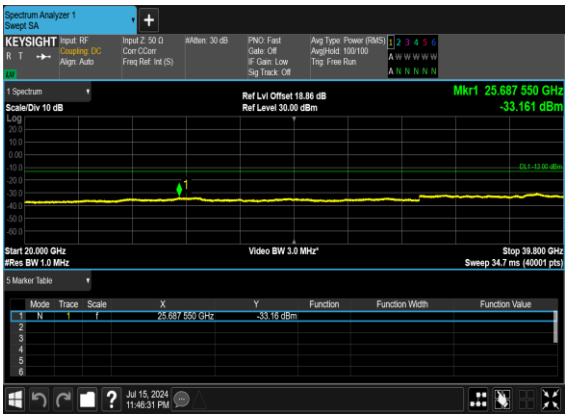
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



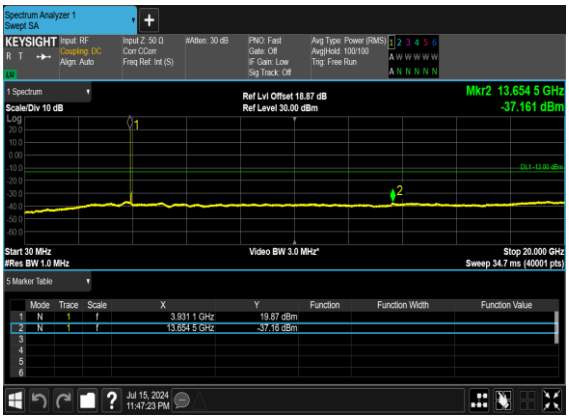
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



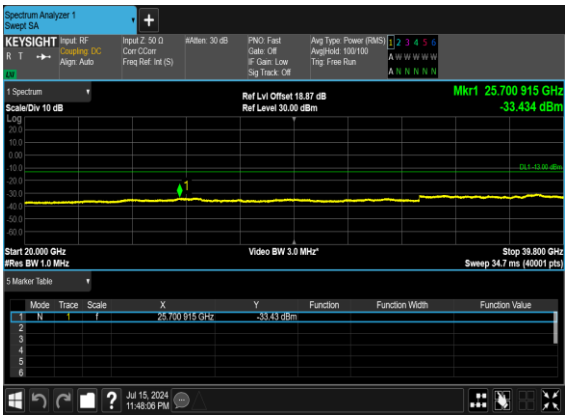
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



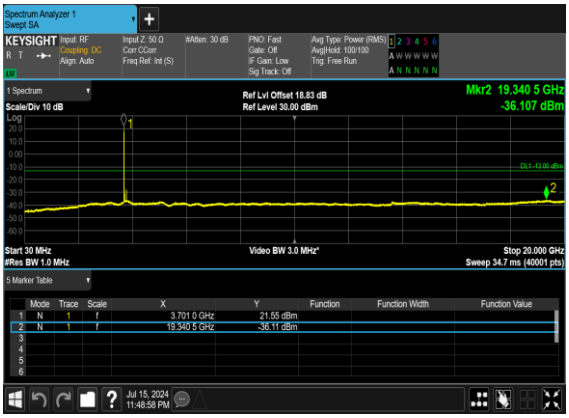
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



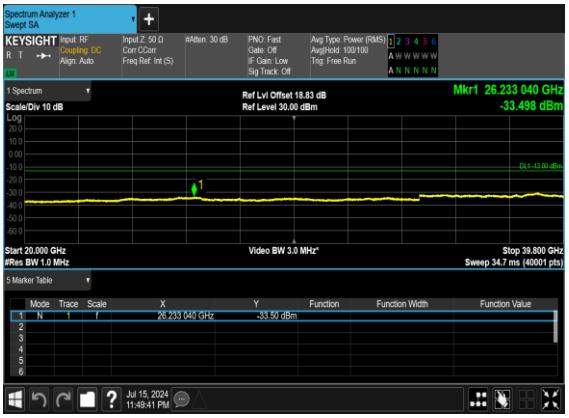
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



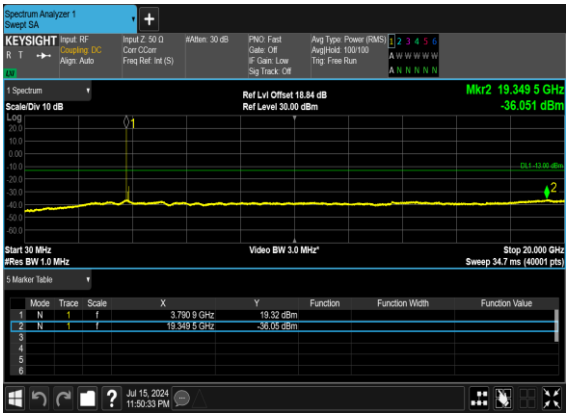
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



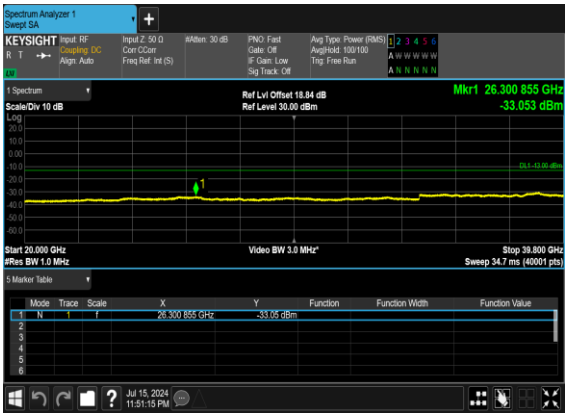
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



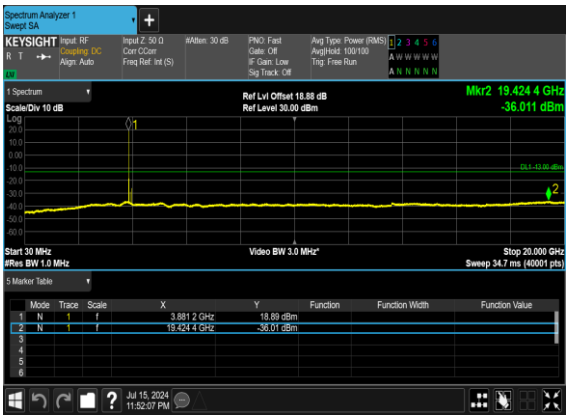
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



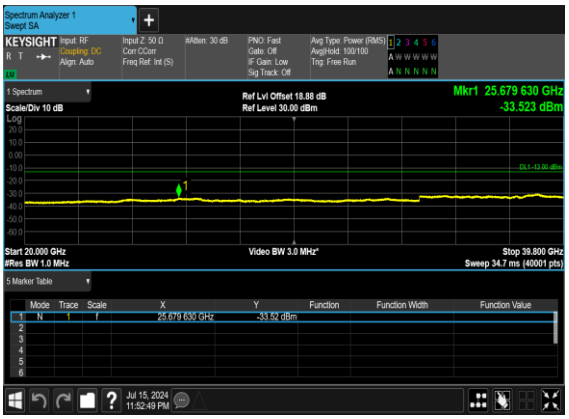
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



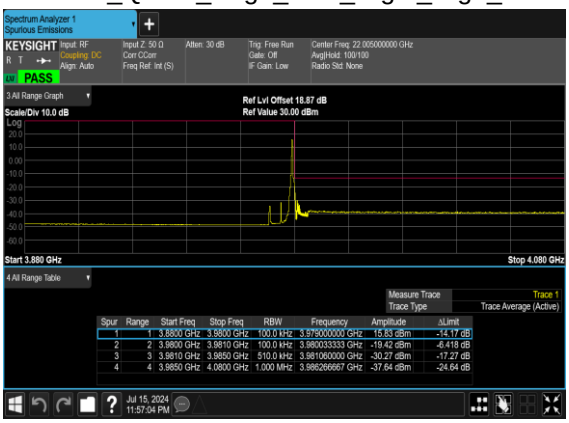
Conducted Band Edge

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**

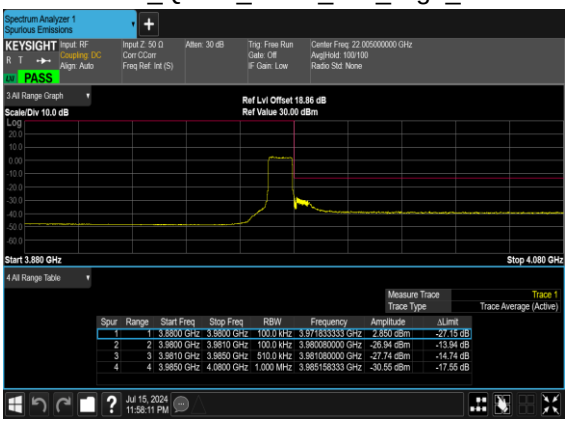
N77(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH

N77(10M)_CP-
OFDM_QPSK_Outer_Full_Low_CH

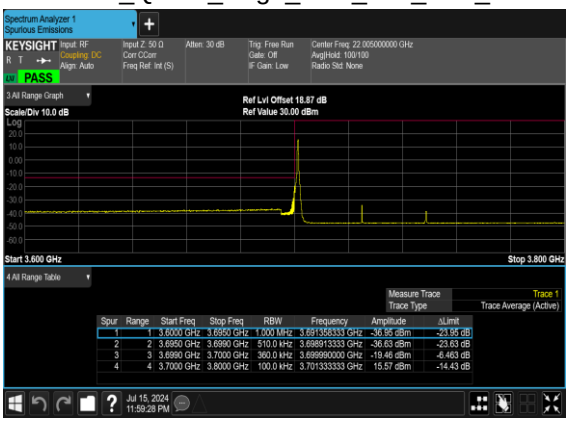
N77(10M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



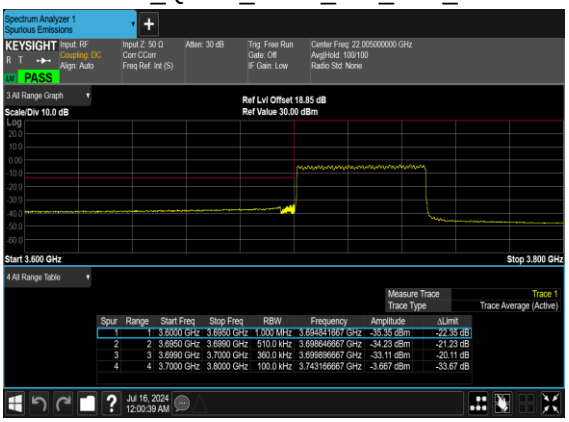
N77(10M)_CP-
OFDM_QPSK_Outer_Full_High_CH



N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



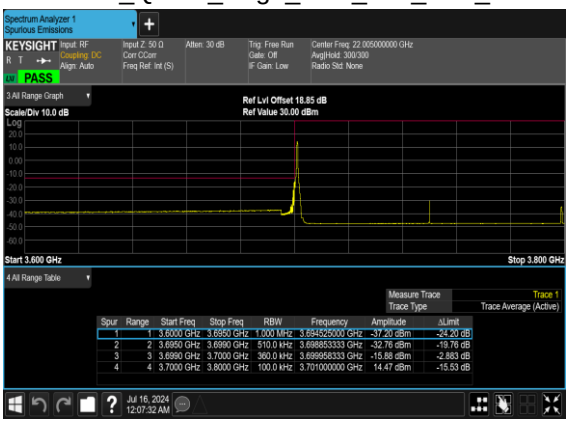
N77(50M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



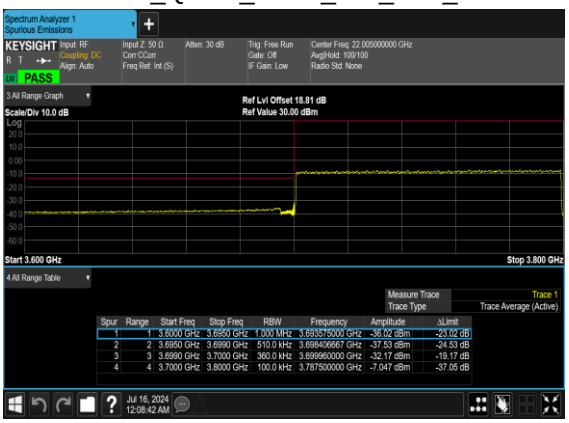
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH

N77(50M)_CP-OFDM_QPSK_Outer_Full_High_CH

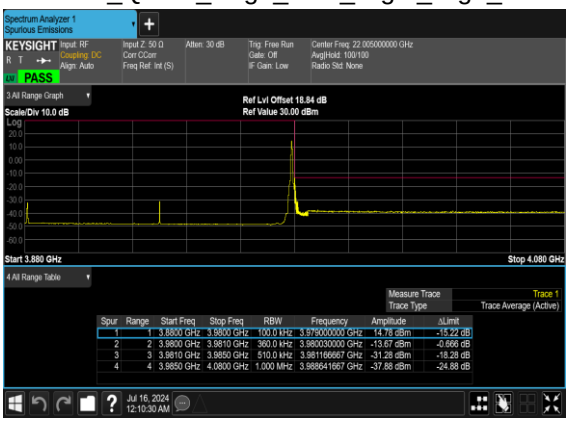
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



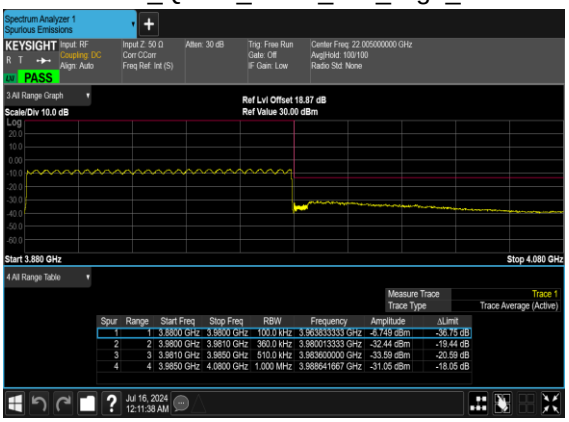
N77(100M)_CP-OFDM_QPSK_Outer_Full_Low_CH



N77(100M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(100M)_CP-OFDM_QPSK_Outer_Full_High_CH



Software Version: 23.06.1602

FR1 N78(ANT4)_SCS30kHz

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=2.9dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	25.18	28.08	0.6427
78	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	24.31	27.21	0.5260
78	30	10	650000	3750	DFT-s-OFDM QPSK	1@1	25.1	28	0.6310
78	30	10	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.08	26.98	0.4989
78	30	10	653000	3795	DFT-s-OFDM QPSK	1@1	24.74	27.64	0.5808
78	30	10	653000	3795	DFT-s-OFDM 16 QAM	1@1	23.82	26.72	0.4699
78	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	25.29	28.19	0.6592
78	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	24.41	27.31	0.5383
78	30	15	650000	3750	DFT-s-OFDM QPSK	1@1	25.24	28.14	0.6516
78	30	15	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.23	27.13	0.5164
78	30	15	652832	3792.48	DFT-s-OFDM QPSK	1@1	24.91	27.81	0.6039
78	30	15	652832	3792.48	DFT-s-OFDM 16 QAM	1@1	23.94	26.84	0.4831
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	25.4	28.3	0.6761
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	24.51	27.41	0.5508
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	25.25	28.15	0.6531
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.3	27.2	0.5248
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	24.96	27.86	0.6109
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	24.06	26.96	0.4966
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	25.35	28.25	0.6683
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	24.42	27.32	0.5395
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	25.29	28.19	0.6592
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.33	27.23	0.5284
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	25.07	27.97	0.6266
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	24.17	27.07	0.5093
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	25.4	28.3	0.6761
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	24.61	27.51	0.5636
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	25.33	28.23	0.6653
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.52	27.42	0.5521
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	25.23	28.13	0.6501
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	24.25	27.15	0.5188
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	25.19	28.09	0.6442
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	24.14	27.04	0.5058
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	25.14	28.04	0.6368
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.15	27.05	0.5070
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	25.07	27.97	0.6266
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	24.19	27.09	0.5117
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	25.17	28.07	0.6412
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	24.16	27.06	0.5082

78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	25	27.9	0.6166
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.15	27.05	0.5070
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	25	27.9	0.6166
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	24.09	26.99	0.5000
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	24.94	27.84	0.6081
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	24.06	26.96	0.4966
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@1	24.97	27.87	0.6124
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.06	26.96	0.4966
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@1	24.93	27.83	0.6067
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@1	23.94	26.84	0.4831
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	25	27.9	0.6166
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	24.07	26.97	0.4977
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@1	25.02	27.92	0.6194
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.06	26.96	0.4966
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	24.94	27.84	0.6081
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	24.06	26.96	0.4966
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	24.95	27.85	0.6095
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	24.07	26.97	0.4977
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	24.98	27.88	0.6138
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.16	27.06	0.5082
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	24.98	27.88	0.6138
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	24.14	27.04	0.5058
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	25.16	28.06	0.6397
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.43	28.33	0.6808
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	24.95	27.85	0.6095
78	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	25.12	28.02	0.6339
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	25.27	28.17	0.6561
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	24.89	27.79	0.6012
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	24.12	27.02	0.5035
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.34	27.24	0.5297
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	23.91	26.81	0.4797
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	22.65	25.55	0.3589
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	22.83	25.73	0.3741
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	22.38	25.28	0.3373
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	20.63	23.53	0.2254
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	20.78	23.68	0.2333
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	20.37	23.27	0.2123
78	30	100	650000	3750	CP-OFDM QPSK	137@68	23.59	26.49	0.4457
78	30	100	650000	3750	CP-OFDM QPSK	1@1	23.84	26.74	0.4721
78	30	100	650000	3750	CP-OFDM QPSK	1@271	23.34	26.24	0.4207

Software Version: 23.06.1602

FR1 N78 MIMO-ANT4+6

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=2.9dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	ANT4 Power(dBm)	ANT6 Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	10	647000	3705	CP-OFDM QPSK	1@1	20.86	20.62	23.75	26.65	0.4624
78	30	10	647000	3705	CP-OFDM 16 QAM	1@1	20.4	19.84	23.14	26.04	0.4018
78	30	10	650000	3750	CP-OFDM QPSK	1@1	20.67	20.71	23.70	26.6	0.4571
78	30	10	650000	3750	CP-OFDM 16 QAM	1@1	20.23	20.03	23.14	26.04	0.4018
78	30	10	653000	3795	CP-OFDM QPSK	1@1	20.36	20.65	23.52	26.42	0.4385
78	30	10	653000	3795	CP-OFDM 16 QAM	1@1	20.03	19.98	23.02	25.92	0.3908
78	30	15	647168	3707.52	CP-OFDM QPSK	1@1	21.09	20.86	23.99	26.89	0.4887
78	30	15	647168	3707.52	CP-OFDM 16 QAM	1@1	20.63	20.13	23.40	26.3	0.4266
78	30	15	650000	3750	CP-OFDM QPSK	1@1	20.94	20.99	23.98	26.88	0.4875
78	30	15	650000	3750	CP-OFDM 16 QAM	1@1	20.53	20.32	23.44	26.34	0.4305
78	30	15	652832	3792.48	CP-OFDM QPSK	1@1	20.62	20.94	23.79	26.69	0.4667
78	30	15	652832	3792.48	CP-OFDM 16 QAM	1@1	20.19	20.31	23.26	26.16	0.4130
78	30	20	647334	3710.01	CP-OFDM QPSK	1@1	21.13	20.9	24.03	26.93	0.4932
78	30	20	647334	3710.01	CP-OFDM 16 QAM	1@1	20.73	20.21	23.49	26.39	0.4355
78	30	20	650000	3750	CP-OFDM QPSK	1@1	20.93	21	23.98	26.88	0.4875
78	30	20	650000	3750	CP-OFDM 16 QAM	1@1	20.52	20.28	23.41	26.31	0.4276
78	30	20	652666	3789.99	CP-OFDM QPSK	1@1	20.53	20.94	23.75	26.65	0.4624
78	30	20	652666	3789.99	CP-OFDM 16 QAM	1@1	20.18	20.3	23.25	26.15	0.4121
78	30	30	647668	3715.02	CP-OFDM QPSK	1@1	21.06	20.82	23.95	26.85	0.4842
78	30	30	647668	3715.02	CP-OFDM 16 QAM	1@1	20.64	20.12	23.40	26.3	0.4266
78	30	30	650000	3750	CP-OFDM QPSK	1@1	20.92	21.07	24.01	26.91	0.4909
78	30	30	650000	3750	CP-OFDM 16 QAM	1@1	20.52	20.32	23.43	26.33	0.4295
78	30	30	652332	3784.98	CP-OFDM QPSK	1@1	20.77	20.99	23.89	26.79	0.4775
78	30	30	652332	3784.98	CP-OFDM 16 QAM	1@1	20.27	20.32	23.31	26.21	0.4178
78	30	40	648000	3720	CP-OFDM QPSK	1@1	20.97	21.03	24.01	26.91	0.4909
78	30	40	648000	3720	CP-OFDM 16 QAM	1@1	20.78	20.31	23.56	26.46	0.4426
78	30	40	650000	3750	CP-OFDM QPSK	1@1	21.06	21.12	24.10	27	0.5012
78	30	40	650000	3750	CP-OFDM 16 QAM	1@1	20.6	20.42	23.52	26.42	0.4385
78	30	40	652000	3780	CP-OFDM QPSK	1@1	20.89	21.03	23.97	26.87	0.4864
78	30	40	652000	3780	CP-OFDM 16 QAM	1@1	20.5	20.15	23.34	26.24	0.4207
78	30	50	648334	3725.01	CP-OFDM QPSK	1@1	20.81	20.59	23.71	26.61	0.4581
78	30	50	648334	3725.01	CP-OFDM 16 QAM	1@1	20.47	19.9	23.20	26.1	0.4074
78	30	50	650000	3750	CP-OFDM QPSK	1@1	20.72	20.74	23.74	26.64	0.4613
78	30	50	650000	3750	CP-OFDM 16 QAM	1@1	20.37	20.1	23.25	26.15	0.4121
78	30	50	651666	3774.99	CP-OFDM QPSK	1@1	20.68	20.79	23.75	26.65	0.4624
78	30	50	651666	3774.99	CP-OFDM 16 QAM	1@1	20.33	20.11	23.23	26.13	0.4102
78	30	60	648668	3730.02	CP-OFDM QPSK	1@1	20.89	20.72	23.82	26.72	0.4699
78	30	60	648668	3730.02	CP-OFDM 16 QAM	1@1	20.49	19.9	23.22	26.12	0.4093

78	30	60	650000	3750	CP-OFDM QPSK	1@1	20.75	20.68	23.73	26.63	0.4603
78	30	60	650000	3750	CP-OFDM 16 QAM	1@1	20.27	20	23.15	26.05	0.4027
78	30	60	651332	3769.98	CP-OFDM QPSK	1@1	20.74	20.67	23.72	26.62	0.4592
78	30	60	651332	3769.98	CP-OFDM 16 QAM	1@1	20.28	19.99	23.15	26.05	0.4027
78	30	70	649000	3735	CP-OFDM QPSK	1@1	20.68	20.5	23.60	26.5	0.4467
78	30	70	649000	3735	CP-OFDM 16 QAM	1@1	20.28	19.75	23.03	25.93	0.3917
78	30	70	650000	3750	CP-OFDM QPSK	1@1	20.7	20.59	23.66	26.56	0.4529
78	30	70	650000	3750	CP-OFDM 16 QAM	1@1	20.18	19.87	23.04	25.94	0.3926
78	30	70	651000	3765	CP-OFDM QPSK	1@1	20.6	20.54	23.58	26.48	0.4446
78	30	70	651000	3765	CP-OFDM 16 QAM	1@1	20.1	19.84	22.98	25.88	0.3873
78	30	80	649334	3740.01	CP-OFDM QPSK	1@1	20.77	20.55	23.67	26.57	0.4539
78	30	80	649334	3740.01	CP-OFDM 16 QAM	1@1	20.26	19.8	23.05	25.95	0.3936
78	30	80	650000	3750	CP-OFDM QPSK	1@1	20.73	20.56	23.66	26.56	0.4529
78	30	80	650000	3750	CP-OFDM 16 QAM	1@1	20.17	19.85	23.02	25.92	0.3908
78	30	80	650666	3759.99	CP-OFDM QPSK	1@1	20.59	20.55	23.58	26.48	0.4446
78	30	80	650666	3759.99	CP-OFDM 16 QAM	1@1	20.17	19.83	23.01	25.91	0.3899
78	30	90	649668	3745.02	CP-OFDM QPSK	1@1	20.7	20.46	23.59	26.49	0.4457
78	30	90	649668	3745.02	CP-OFDM 16 QAM	1@1	20.24	19.7	22.99	25.89	0.3882
78	30	90	650000	3750	CP-OFDM QPSK	1@1	20.59	20.54	23.58	26.48	0.4446
78	30	90	650000	3750	CP-OFDM 16 QAM	1@1	20.18	19.87	23.04	25.94	0.3926
78	30	90	650332	3754.98	CP-OFDM QPSK	1@1	20.79	20.61	23.71	26.61	0.4581
78	30	90	650332	3754.98	CP-OFDM 16 QAM	1@1	20.26	19.86	23.07	25.97	0.3954
78	30	100	650000	3750	CP-OFDM QPSK	137@68	20.59	20.51	23.56	26.46	0.4426
78	30	100	650000	3750	CP-OFDM QPSK	1@1	20.99	21.24	24.13	27.03	0.5047
78	30	100	650000	3750	CP-OFDM QPSK	1@271	20.29	20.7	23.51	26.41	0.4375
78	30	100	650000	3750	CP-OFDM 16 QAM	137@68	20.07	19.97	23.03	25.93	0.3917
78	30	100	650000	3750	CP-OFDM 16 QAM	1@1	20.19	19.73	22.98	25.88	0.3873
78	30	100	650000	3750	CP-OFDM 16 QAM	1@271	19.75	19.96	22.87	25.77	0.3776
78	30	100	650000	3750	CP-OFDM 64 QAM	137@68	18.57	18.52	21.56	24.46	0.2793
78	30	100	650000	3750	CP-OFDM 64 QAM	1@1	18.84	18.25	21.57	24.47	0.2799
78	30	100	650000	3750	CP-OFDM 64 QAM	1@271	18.23	18.41	21.33	24.23	0.2649
78	30	100	650000	3750	CP-OFDM 256 QAM	137@68	18.58	18.47	21.54	24.44	0.2780
78	30	100	650000	3750	CP-OFDM 256 QAM	1@1	15.67	15.48	18.59	21.49	0.1409
78	30	100	650000	3750	CP-OFDM 256 QAM	1@271	15.21	15.72	18.48	21.38	0.1374

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Jia Kuang	Temperature :	22~25℃
		Relative Humidity :	48~52%

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

N77 SA / NR 100MHz / QPSK(ANT4)									
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	7582.36	-53.82	-13	-40.82	-80.52	-57.12	8.30	11.60	H
	11373.54	-49.64	-13	-36.64	-82.29	-51.16	10.48	12.00	H
	15164.72	-46.40	-13	-33.40	-81.59	-48.10	11.80	13.50	H
	7582.36	-53.74	-13	-40.74	-80.44	-57.04	8.30	11.60	V
	11373.54	-42.90	-13	-29.90	-79.63	-44.42	10.48	12.00	V
	15164.72	-46.23	-13	-33.23	-81.41	-47.93	11.80	13.50	V

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

EN-DC_30A_n77A / LTE 10MHz + NR 100MHz / QPSK(1+4)									
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)
NR n77 Middle	7582.36	-57.69	-13	-44.69	-66.00	-60.99	8.30	11.60	H
	11373.54	-54.37	-13	-41.37	-68.71	-55.89	10.48	12.00	H
	15164.72	-51.76	-13	-38.76	-69.85	-53.46	11.80	13.50	H
	7582.36	-57.23	-13	-44.23	-65.54	-60.53	8.30	11.60	V
	11373.54	-47.36	-13	-34.36	-65.78	-48.88	10.48	12.00	V
	15164.72	-50.69	-13	-37.69	-68.77	-52.39	11.80	13.50	V
LTE Band30 Middle	4611.00	-58.60	-40	-18.60	-63.55	-61.90	8.30	11.60	H
	6916.50	-57.99	-40	-17.99	-65.49	-59.51	10.48	12.00	H
	9222.00	-53.76	-40	-13.76	-63.28	-55.46	11.80	13.50	H
	4611.00	-59.25	-40	-19.25	-64.33	-62.55	8.30	11.60	V
	6916.50	-56.61	-40	-16.61	-65.21	-58.13	10.48	12.00	V
	9222.00	-56.68	-40	-16.68	-68.43	-58.38	11.80	13.50	V

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

UL MIMO N77 SA / NR 100MHz / QPSK(ANT4+6)									
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	7582.36	-54.82	-13	-41.82	-81.52	-58.12	8.30	11.60	H
	11373.54	-49.83	-13	-36.83	-82.48	-51.35	10.48	12.00	H
	15164.72	-46.09	-13	-33.09	-81.28	-47.79	11.80	13.50	H
	7582.36	-54.58	-13	-41.58	-81.28	-57.88	8.30	11.60	V
	11373.54	-45.26	-13	-32.26	-81.99	-46.78	10.48	12.00	V
	15164.72	-46.06	-13	-33.06	-81.24	-47.76	11.80	13.50	V

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