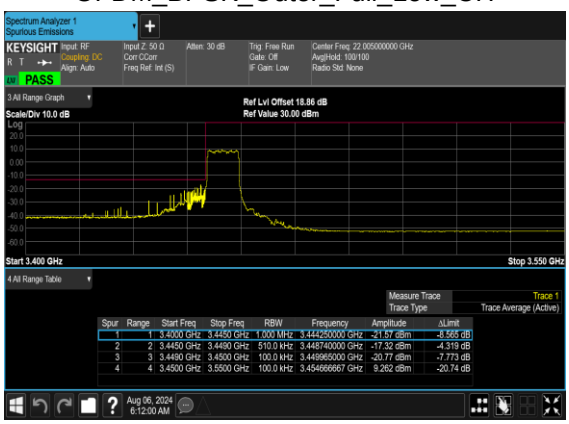
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	24@0	see graph	**PASS**
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	24@0	see graph	**PASS**
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@23	see graph	**PASS**
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@23	see graph	**PASS**
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	24@0	see graph	**PASS**
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	24@0	see graph	**PASS**
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	128@0	see graph	**PASS**
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	128@0	see graph	**PASS**
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@132	see graph	**PASS**
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@132	see graph	**PASS**
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	128@0	see graph	**PASS**
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	128@0	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@272	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@272	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	270@0	see graph	**PASS**

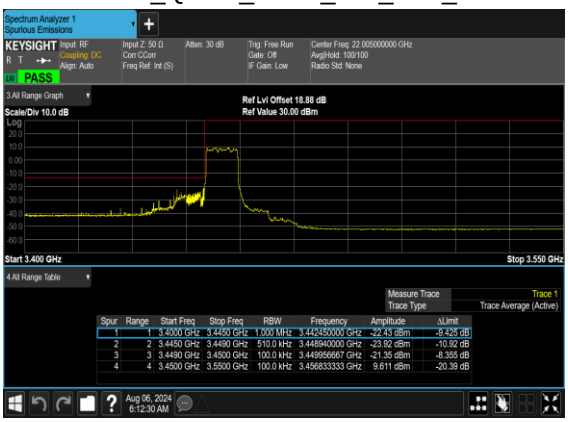
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



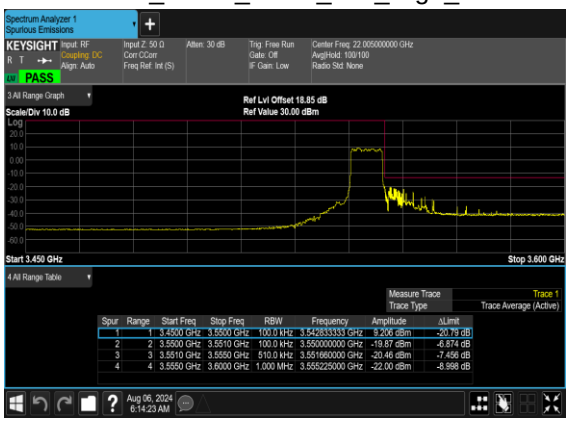
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



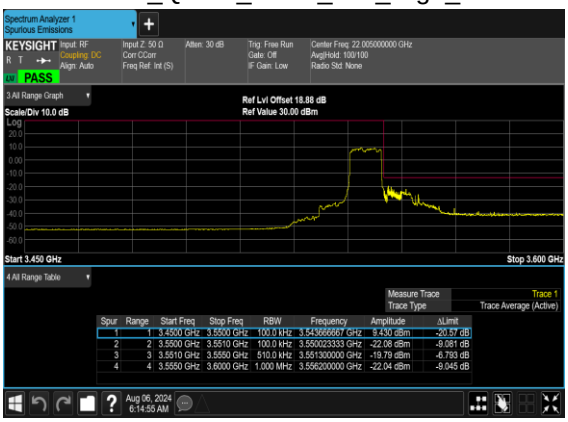
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



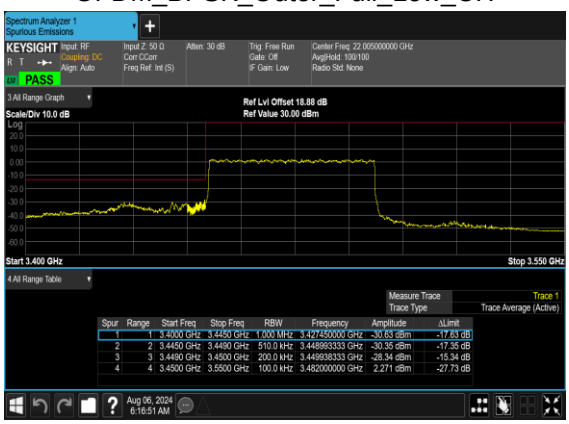
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



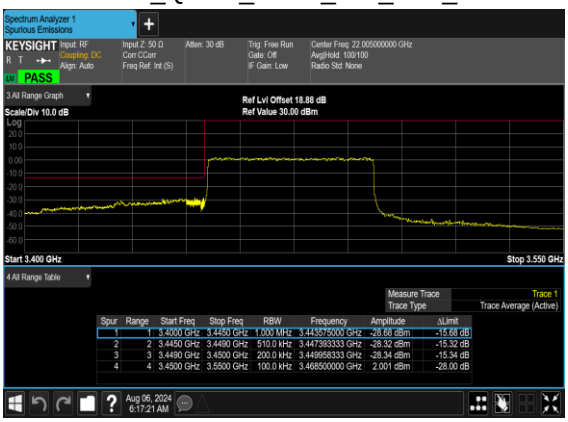
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

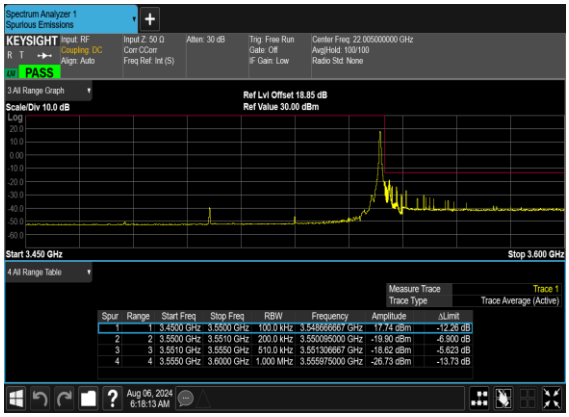
N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

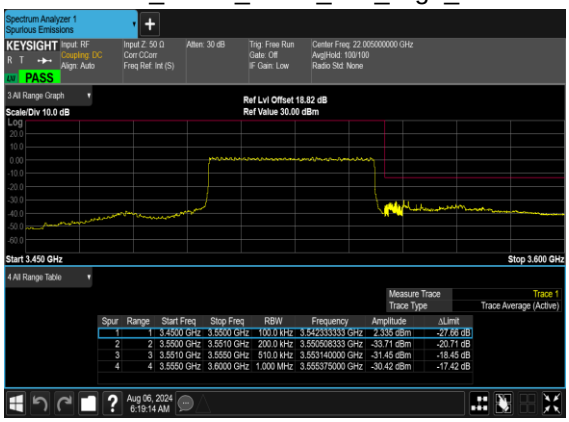


N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

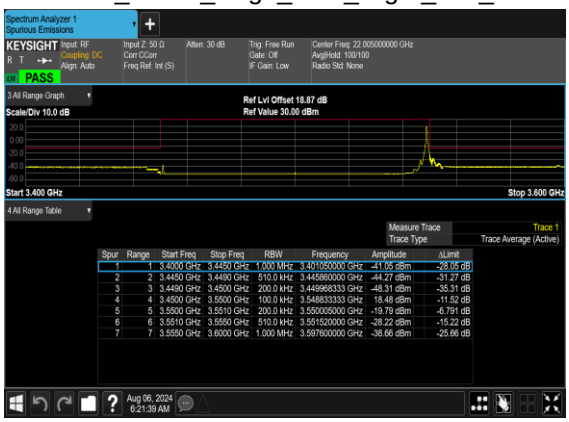


N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

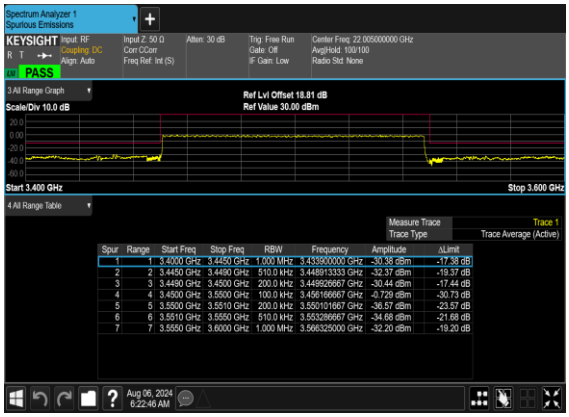
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH

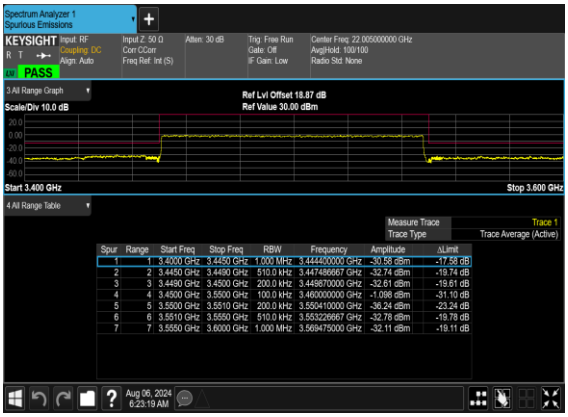


N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH

N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



Software Version: 23.06.1602

FR1 N78_ANT2

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=-6.13dB

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	26.61	20.48	0.1117
78	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	26.12	19.99	0.0998
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.5	20.37	0.1089
78	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.27	20.14	0.1033
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	26.88	20.75	0.1189
78	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	26.2	20.07	0.1016
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	26.72	20.59	0.1146
78	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	26.02	19.89	0.0975
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.59	20.46	0.1112
78	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.11	19.98	0.0995
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	26.82	20.69	0.1172
78	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	26.18	20.05	0.1012
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	26.85	20.72	0.1180
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	26.08	19.95	0.0989
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.47	20.34	0.1081
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.04	19.91	0.0979
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	26.47	20.34	0.1081
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	26.22	20.09	0.1021
78	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	26.83	20.7	0.1175
78	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	26.15	20.02	0.1005
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.46	20.33	0.1079
78	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.21	20.08	0.1019
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@1	26.92	20.79	0.1199
78	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@1	26.45	20.32	0.1076
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	26.72	20.59	0.1146
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	26.39	20.26	0.1062
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.51	20.38	0.1091
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.32	20.19	0.1045
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	26.86	20.73	0.1183
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	26.41	20.28	0.1067
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	26.96	20.83	0.1211
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	26.21	20.08	0.1019
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.62	20.49	0.1119

78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.22	20.09	0.1021
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	26.8	20.67	0.1167
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	26.48	20.35	0.1084
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	27.32	21.19	0.1315
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	26.45	20.32	0.1076
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.2	21.07	0.1279
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.29	20.16	0.1038
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	27.5	21.37	0.1371
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	26.75	20.62	0.1153
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	27.27	21.14	0.1300
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	26.27	20.14	0.1033
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.19	21.06	0.1276
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.06	19.93	0.0984
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	27.36	21.23	0.1327
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	26.28	20.15	0.1035
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	27.39	21.26	0.1337
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	26.42	20.29	0.1069
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.12	20.99	0.1256
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.09	19.96	0.0991
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	27.23	21.1	0.1288
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	26.24	20.11	0.1026
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	27.38	21.25	0.1334
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	26.35	20.22	0.1052
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.1	20.97	0.1250
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.14	20.01	0.1002
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	27.14	21.01	0.1262
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	26.11	19.98	0.0995
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	27.26	21.13	0.1297
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	26.46	20.33	0.1079
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.18	21.05	0.1274
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.13	20	0.1000
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	27.28	21.15	0.1303
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	26.14	20.01	0.1002
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	27	20.87	0.1222
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	27.53	21.4	0.1380
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	26.3	20.17	0.1040
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	26.72	20.59	0.1146
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.91	20.78	0.1197
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	26.27	20.14	0.1033
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	25.84	19.71	0.0935
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.02	19.89	0.0975

78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	25.51	19.38	0.0867
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	24.08	17.95	0.0624
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.32	18.19	0.0659
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	23.52	17.39	0.0548
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	21.65	15.52	0.0356
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.71	15.58	0.0361
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	20.68	14.55	0.0285
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	25	18.87	0.0771
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	25.37	19.24	0.0839
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	25.08	18.95	0.0785

Software Version: 23.06.1602

FR1 N78 TXD-ANT2+7

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=-3.12dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	ANT2 Power(dBm)	ANT7 Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	27.22	27.20	30.22	27.1	0.5129
78	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	26.08	26.29	29.20	26.08	0.4055
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.95	27.26	30.12	27	0.5012
78	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.15	26.21	29.19	26.07	0.4046
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	26.99	27.10	30.05	26.93	0.4932
78	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	25.92	26.17	29.06	25.94	0.3926
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	27.10	27.13	30.12	27	0.5012
78	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	26.37	26.17	29.28	26.16	0.4130
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.95	27.06	30.02	26.9	0.4898
78	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.01	26.18	29.11	25.99	0.3972
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	26.84	26.90	29.88	26.76	0.4742
78	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	26.05	26.19	29.13	26.01	0.3990
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	27.10	27.30	30.21	27.09	0.5117
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	26.20	26.35	29.29	26.17	0.4140
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.04	27.06	30.06	26.94	0.4943
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.07	26.27	29.18	26.06	0.4036
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	26.68	27.15	29.93	26.81	0.4797
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	25.93	26.13	29.04	25.92	0.3908
78	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	27.51	27.34	30.43	27.31	0.5383
78	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	26.61	26.34	29.49	26.37	0.4335
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.74	27.22	30.00	26.88	0.4875
78	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.04	26.38	29.22	26.1	0.4074
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@1	26.71	27.27	30.01	26.89	0.4887
78	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@1	25.80	26.33	29.09	25.97	0.3954
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	27.77	27.35	30.58	27.46	0.5572
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	26.76	26.43	29.60	26.48	0.4446
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.08	27.37	30.24	27.12	0.5152
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.99	26.49	29.25	26.13	0.4102
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	26.92	27.35	30.15	27.03	0.5047
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	26.03	26.50	29.28	26.16	0.4130
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	27.50	27.18	30.35	27.23	0.5284
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	26.86	26.40	29.65	26.53	0.4498
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.93	27.15	30.06	26.94	0.4943
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.06	26.37	29.23	26.11	0.4083

78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	26.92	27.17	30.05	26.93	0.4932
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	25.86	26.41	29.15	26.03	0.4009
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	27.69	27.52	30.62	27.5	0.5623
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	26.81	26.66	29.75	26.63	0.4603
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.12	27.48	30.31	27.19	0.5236
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.14	26.72	29.45	26.33	0.4295
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	26.95	27.54	30.27	27.15	0.5188
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	26.24	26.85	29.57	26.45	0.4416
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	27.81	27.42	30.63	27.51	0.5636
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	26.82	26.44	29.65	26.53	0.4498
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.24	27.47	30.36	27.24	0.5297
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.21	26.56	29.40	26.28	0.4246
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	26.88	27.33	30.12	27	0.5012
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	25.90	26.36	29.15	26.03	0.4009
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	27.61	27.38	30.50	27.38	0.5470
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	26.65	26.60	29.64	26.52	0.4487
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.39	27.65	30.53	27.41	0.5508
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.34	26.65	29.51	26.39	0.4355
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	26.98	27.69	30.36	27.24	0.5297
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	26.04	26.59	29.34	26.22	0.4188
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	27.72	27.35	30.55	27.43	0.5534
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	27.00	26.71	29.87	26.75	0.4732
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.39	27.54	30.48	27.36	0.5445
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.51	26.71	29.63	26.51	0.4477
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	27.19	27.47	30.35	27.23	0.5284
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	26.32	26.73	29.54	26.42	0.4385
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	27.75	27.52	30.64	27.52	0.5649
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	26.78	26.84	29.82	26.7	0.4677
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.66	27.50	30.59	27.47	0.5585
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.79	26.54	29.68	26.56	0.4529
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	27.57	27.47	30.53	27.41	0.5508
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	26.59	26.76	29.69	26.57	0.4539
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	26.83	27.11	29.98	26.86	0.4853
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	27.86	27.57	30.73	27.61	0.5768
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	26.11	26.16	29.15	26.03	0.4009
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	26.76	27.10	29.94	26.82	0.4808
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.10	27.52	30.32	27.2	0.5248
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	26.13	26.29	29.22	26.1	0.4074
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	25.98	26.14	29.07	25.95	0.3936
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.23	26.66	29.46	26.34	0.4305
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	25.45	25.38	28.42	25.3	0.3388
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	23.78	24.24	27.02	23.9	0.2455

78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.40	24.65	27.54	24.42	0.2767
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	23.24	23.46	26.36	23.24	0.2109
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	21.35	21.73	24.55	21.43	0.1390
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.65	22.01	24.85	21.73	0.1489
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	20.37	20.80	23.60	20.48	0.1117
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	25.00	25.50	28.27	25.15	0.3273
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	25.54	26.17	28.88	25.76	0.3767
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	24.38	24.54	27.47	24.35	0.2723

Software Version: 23.06.1602

FR1 N78 MIMO-ANT2+ANT7

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=-3.12dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	ANT2 Power(dBm)	ANT7 Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	27.38	27.4	30.40	27.28	0.5346
78	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	26.33	26.53	29.44	26.32	0.4285
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.21	27.47	30.35	27.23	0.5284
78	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.28	26.47	29.39	26.27	0.4236
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	27.13	27.26	30.21	27.09	0.5117
78	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	26.13	26.43	29.29	26.17	0.4140
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	27.28	27.3	30.30	27.18	0.5224
78	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	26.56	26.35	29.47	26.35	0.4315
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.13	27.32	30.24	27.12	0.5152
78	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.15	26.43	29.30	26.18	0.4150
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	27.02	27.17	30.11	26.99	0.5000
78	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	26.22	26.4	29.32	26.2	0.4169
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	27.33	27.48	30.42	27.3	0.5370
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	26.41	26.52	29.48	26.36	0.4325
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.2	27.33	30.28	27.16	0.5200
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.17	26.46	29.33	26.21	0.4178
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	26.88	27.27	30.09	26.97	0.4977
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	26.04	26.36	29.21	26.09	0.4064
78	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	27.75	27.48	30.63	27.51	0.5636
78	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	26.88	26.63	29.77	26.65	0.4624
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.97	27.37	30.18	27.06	0.5082
78	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.32	26.6	29.47	26.35	0.4315
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@1	26.95	27.37	30.18	27.06	0.5082
78	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@1	26.03	26.59	29.33	26.21	0.4178
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	27.94	27.59	30.78	27.66	0.5834
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	27.02	26.67	29.86	26.74	0.4721
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.27	27.6	30.45	27.33	0.5408
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.2	26.61	29.42	26.3	0.4266
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	27.16	27.6	30.40	27.28	0.5346
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	26.2	26.71	29.47	26.35	0.4315
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	27.76	27.35	30.57	27.45	0.5559
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	26.98	26.57	29.79	26.67	0.4645
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.04	27.4	30.23	27.11	0.5140
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.17	26.59	29.40	26.28	0.4246

78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	27.04	27.42	30.24	27.12	0.5152
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	26.14	26.62	29.40	26.28	0.4246
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	27.96	27.71	30.85	27.73	0.5929
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	27.07	26.82	29.96	26.84	0.4831
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.4	27.7	30.56	27.44	0.5546
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.38	26.91	29.66	26.54	0.4508
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	27.19	27.67	30.45	27.33	0.5408
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	26.43	27	29.73	26.61	0.4581
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	27.95	27.66	30.82	27.7	0.5888
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	26.99	26.67	29.84	26.72	0.4699
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.49	27.74	30.63	27.51	0.5636
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.32	26.76	29.56	26.44	0.4406
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	27.14	27.62	30.40	27.28	0.5346
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	26.06	26.65	29.38	26.26	0.4227
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	27.87	27.67	30.78	27.66	0.5834
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	26.94	26.79	29.88	26.76	0.4742
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.62	27.8	30.72	27.6	0.5754
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.55	26.82	29.70	26.58	0.4550
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	27.27	27.79	30.55	27.43	0.5534
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	26.26	26.74	29.52	26.4	0.4365
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	28.01	27.6	30.82	27.7	0.5888
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	27.11	26.92	30.03	26.91	0.4909
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.63	27.81	30.73	27.61	0.5768
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.67	26.88	29.79	26.67	0.4645
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	27.47	27.73	30.61	27.49	0.5610
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	26.49	26.88	29.70	26.58	0.4550
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	27.96	27.78	30.88	27.76	0.5970
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	26.91	27.01	29.97	26.85	0.4842
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.86	27.73	30.81	27.69	0.5875
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.99	26.82	29.92	26.8	0.4786
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	27.73	27.75	30.75	27.63	0.5794
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	26.83	26.89	29.87	26.75	0.4732
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	27.12	27.34	30.24	27.12	0.5152
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	28.01	27.73	30.88	27.76	0.5970
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	26.22	26.39	29.32	26.2	0.4169
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	26.97	27.24	30.12	27	0.5012
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.37	27.73	30.56	27.44	0.5546
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	26.29	26.41	29.36	26.24	0.4207
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	26.11	26.3	29.22	26.1	0.4074
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.41	26.95	29.70	26.58	0.4550
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	25.55	25.52	28.55	25.43	0.3491
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	24.07	24.43	27.26	24.14	0.2594

78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.51	24.94	27.74	24.62	0.2897
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	23.53	23.65	26.60	23.48	0.2228
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	21.65	22	24.84	21.72	0.1486
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.86	22.23	25.06	21.94	0.1563
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	20.65	20.91	23.79	20.67	0.1167
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	25.25	25.67	28.48	25.36	0.3436
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	25.81	26.39	29.12	26	0.3981
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	24.66	24.67	27.68	24.56	0.2858

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Reid Huang	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(ANT2)									
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	-58.58	-13	-45.58	-47.76	-60.10	11.98	13.50	H
	10353	-57.57	-13	-44.57	-53.13	-57.57	13.60	13.60	H
	13804	-51.42	-13	-38.42	-53.19	-51.02	15.50	15.10	H
	6902	-55.29	-13	-42.29	-44.39	-56.81	11.98	13.50	V
	10353	-57.61	-13	-44.61	-52.96	-57.61	13.60	13.60	V
	13804	-51.90	-13	-38.90	-53.36	-51.50	15.50	15.10	V

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

EN-DC_30A_n77A / LTE 20MHz + NR 100MHz / QPSK(1+7)									
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	6902.4	-61.81	-13	-48.81	-50.99	-63.33	11.98	13.50	H
	10353.6	-57.26	-13	-44.26	-52.82	-57.26	13.60	13.60	H
	13804.8	-51.62	-13	-38.62	-53.39	-51.22	15.50	15.10	H
	6902.4	-58.88	-13	-45.88	-47.99	-60.40	11.98	13.50	V
	10353.6	-57.63	-13	-44.63	-52.99	-57.63	13.60	13.60	V
	13804.8	-51.91	-13	-38.91	-53.37	-51.51	15.50	15.10	V
LTE Band30 Middle	4611.50	-59.98	-40	-19.98	-77.55	-66.23	6.45	12.70	H
	6916.50	-61.87	-40	-21.87	-51.11	-65.27	8.40	11.80	H
	9223.00	-55.68	-40	-15.68	-51.98	-58.03	9.65	12.00	H
	4611.50	-59.70	-40	-19.70	-77.12	-65.95	6.45	12.70	V
	6916.50	-62.18	-40	-22.18	-51.38	-65.58	8.40	11.80	V
	9223.00	-55.56	-40	-15.56	-51.44	-57.91	9.65	12.00	V

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

n77 TXD / NR 100MHz / QPSK(ANT2+7)									
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	-60.37	-13	-47.37	-49.55	-61.89	11.98	13.50	H
	10353	-57.80	-13	-44.80	-53.36	-57.80	13.60	13.60	H
	13804	-51.65	-13	-38.65	-53.42	-51.25	15.50	15.10	H
	6902	-58.53	-13	-45.53	-47.63	-60.05	11.98	13.50	V
	10353	-57.87	-13	-44.87	-53.22	-57.87	13.60	13.60	V
	13804	-52.16	-13	-39.16	-53.62	-51.76	15.50	15.10	V

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

n77 UL MIMO / NR 100MHz / QPSK(ANT2+7)									
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	6902.00	-59.01	-13	-46.01	-48.19	-62.31	8.30	11.60	H
	10353.00	-57.69	-13	-44.69	-53.25	-59.21	10.48	12.00	H
	13804.00	-51.35	-13	-38.35	-53.12	-53.05	11.80	13.50	H
	6902.00	-54.53	-13	-41.53	-43.63	-57.83	8.30	11.60	V
	10353.00	-57.73	-13	-44.73	-53.08	-59.25	10.48	12.00	V
	13804.00	-51.52	-13	-38.52	-52.98	-53.22	11.80	13.50	V

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