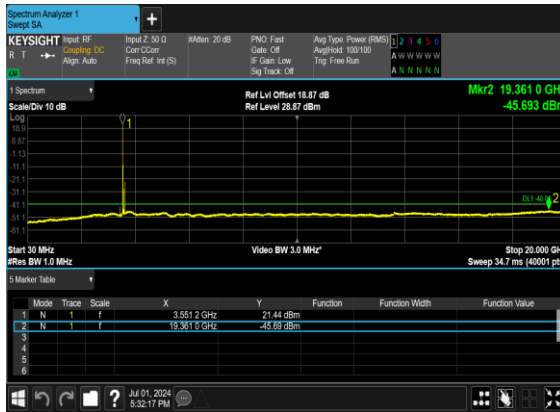
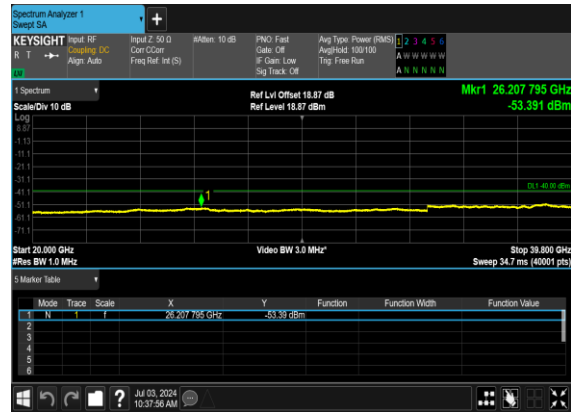




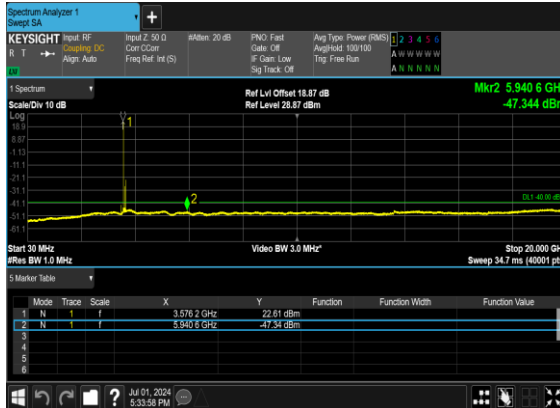
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



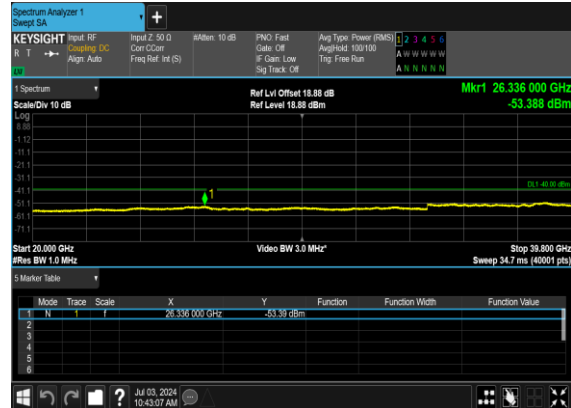
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

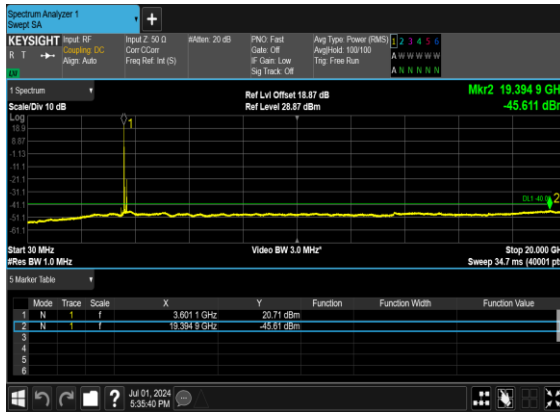


N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

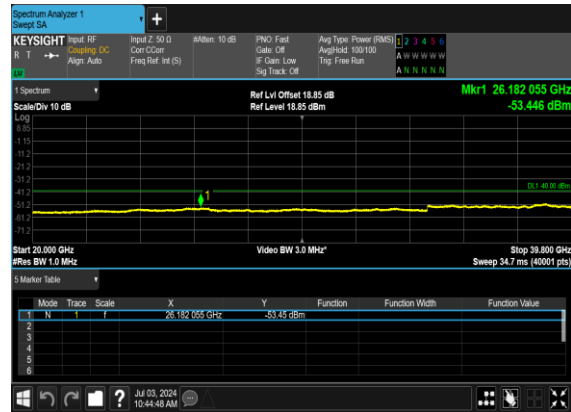




N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



**Conducted Band Edge**

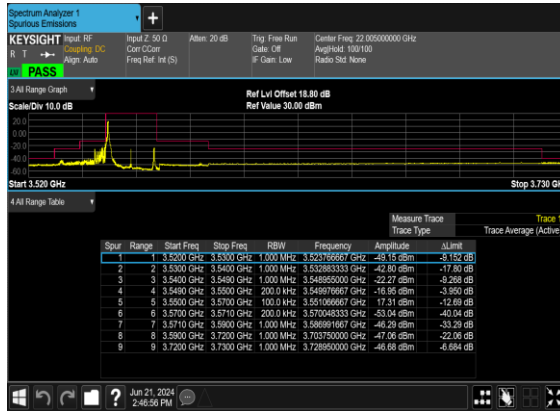
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	637334	3560.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	637334	3560.01	CP-OFDM QPSK	1@50	see graph	PASS
77	30	20	637334	3560.01	CP-OFDM QPSK	51@0	see graph	PASS
77	30	20	641666	3624.99	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	641666	3624.99	CP-OFDM QPSK	1@50	see graph	PASS
77	30	20	641666	3624.99	CP-OFDM QPSK	51@0	see graph	PASS
77	30	20	646000	3690.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	646000	3690.0	CP-OFDM QPSK	1@50	see graph	PASS
77	30	20	646000	3690.0	CP-OFDM QPSK	51@0	see graph	PASS
77	30	60	638668	3580.02	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	638668	3580.02	CP-OFDM QPSK	1@161	see graph	PASS
77	30	60	638668	3580.02	CP-OFDM QPSK	162@0	see graph	PASS
77	30	60	641666	3624.99	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	641666	3624.99	CP-OFDM QPSK	1@161	see graph	PASS
77	30	60	641666	3624.99	CP-OFDM QPSK	162@0	see graph	PASS
77	30	60	644666	3669.99	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	644666	3669.99	CP-OFDM QPSK	1@161	see graph	PASS
77	30	60	644666	3669.99	CP-OFDM QPSK	162@0	see graph	PASS
77	30	100	640000	3600.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	100	640000	3600.0	CP-OFDM QPSK	1@272	see graph	PASS
77	30	100	640000	3600.0	CP-OFDM QPSK	273@0	see graph	PASS
77	30	100	641666	3624.99	CP-OFDM QPSK	1@0	see graph	PASS



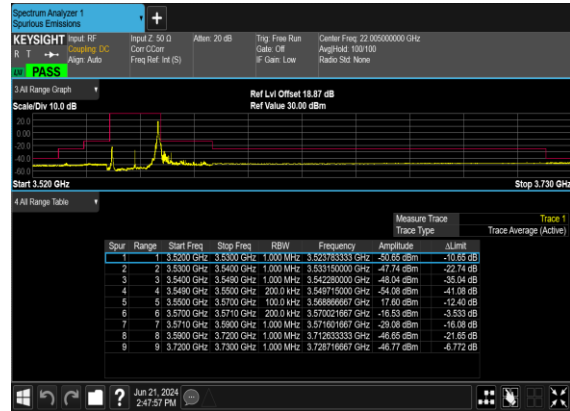
77	30	100	641666	3624.99	CP-OFDM QPSK	1@272	see graph	PASS
77	30	100	641666	3624.99	CP-OFDM QPSK	273@0	see graph	PASS
77	30	100	643332	3649.98	CP-OFDM QPSK	1@0	see graph	PASS
77	30	100	643332	3649.98	CP-OFDM QPSK	1@272	see graph	PASS
77	30	100	643332	3649.98	CP-OFDM QPSK	273@0	see graph	PASS



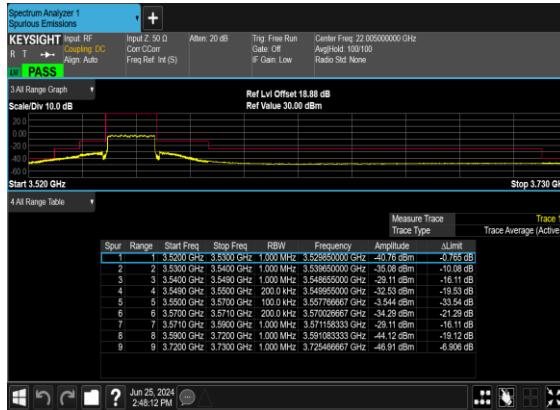
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



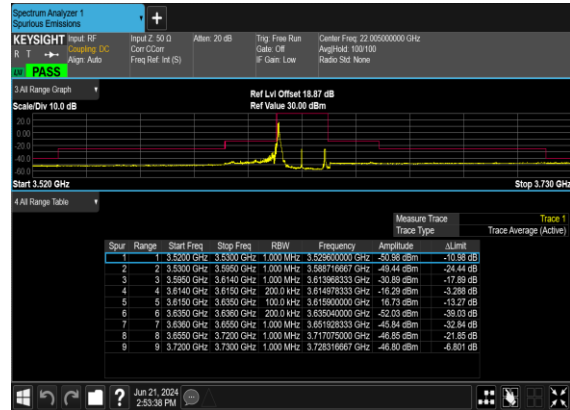
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Right_Low_CH



N77(20M)_CP-
OFDM_QPSK_Outer_Full_Low_CH

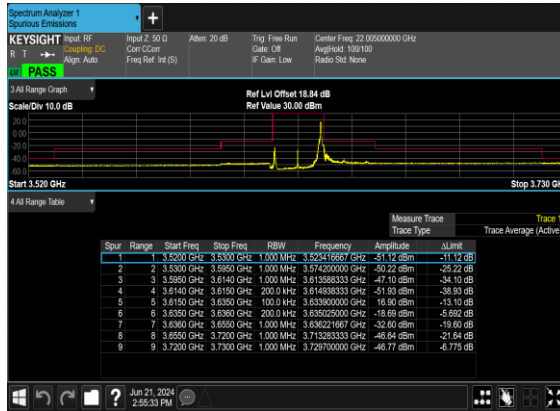


N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

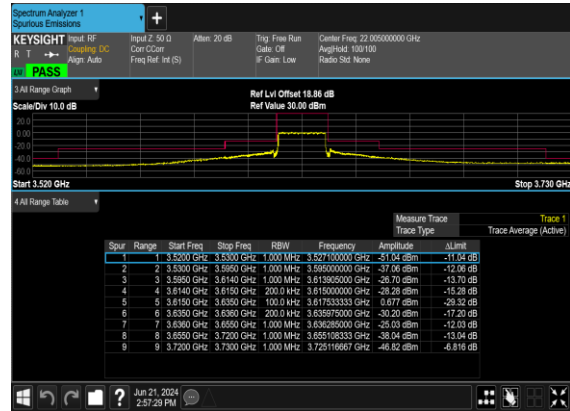




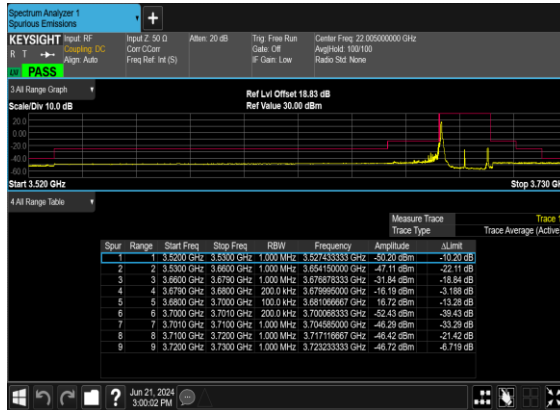
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Right_Mid_CH



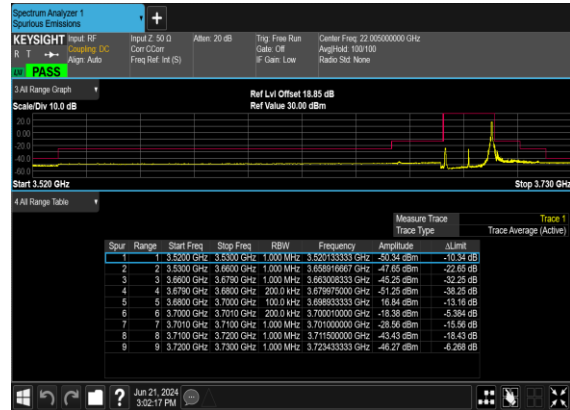
N77(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

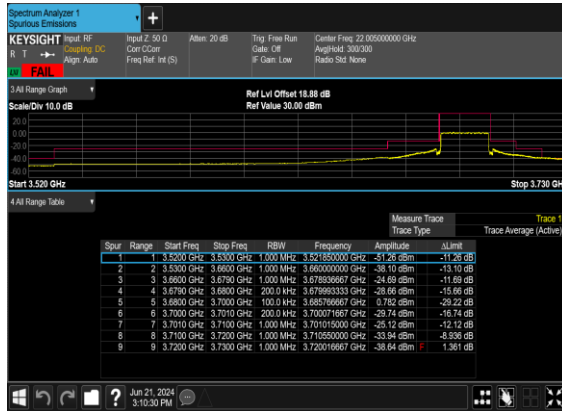


N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH

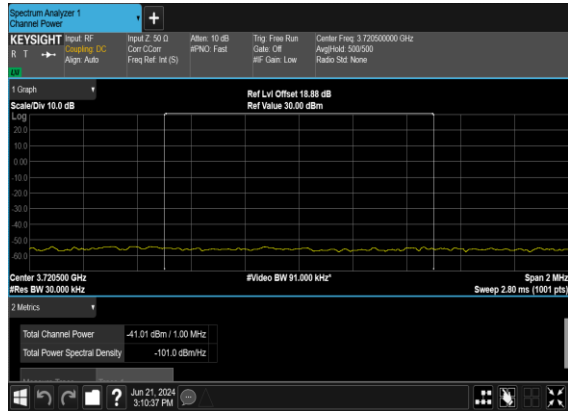




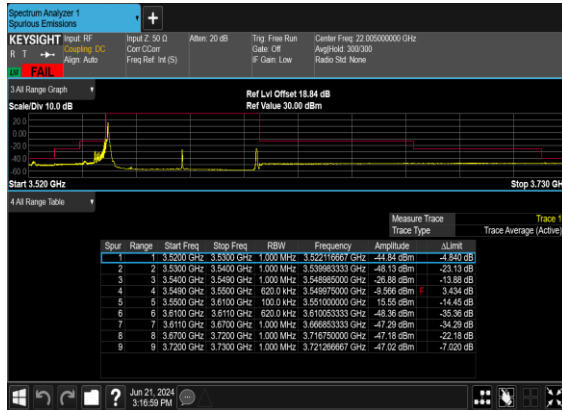
N77(20M)_CP-
OFDM_QPSK_Outer_Full_High_CH



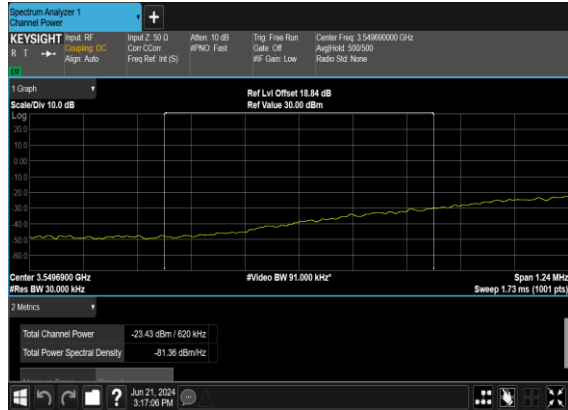
N77(20M)_CP-
OFDM_QPSK_Outer_Full_High_CH_CHP_PASS



N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH

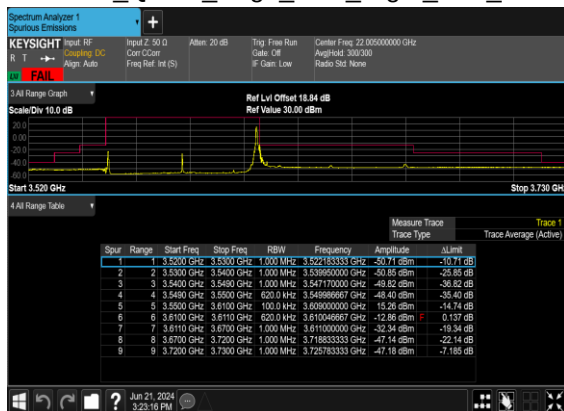


N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS

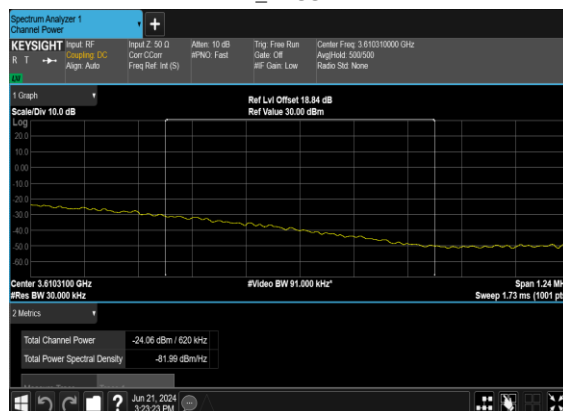




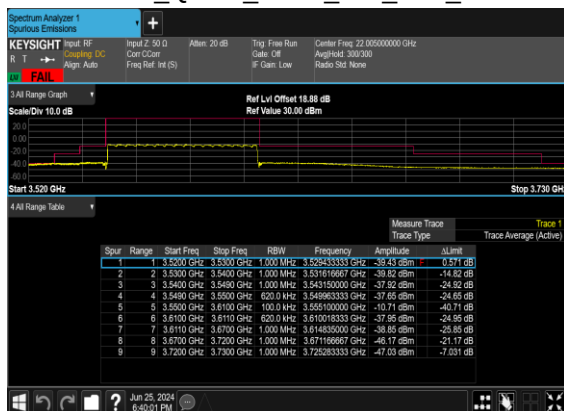
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Right_Low_CH



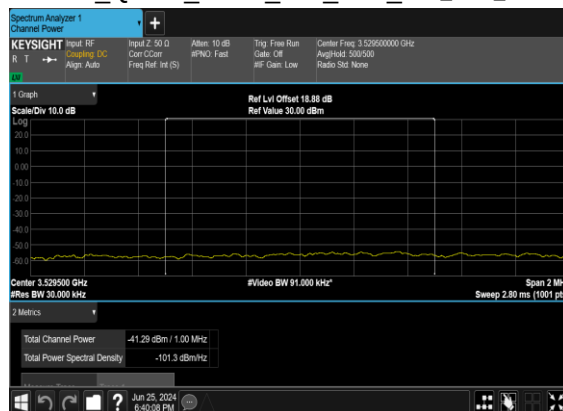
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Right_Low_CH_chp
_PASS



N77(60M)_CP-
OFDM_QPSK_Outer_Full_Low_CH

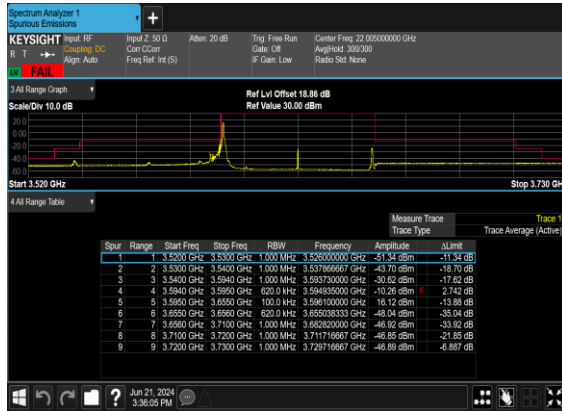


N77(60M)_CP-
OFDM_QPSK_Outer_Full_Low_CH_chp_PASS

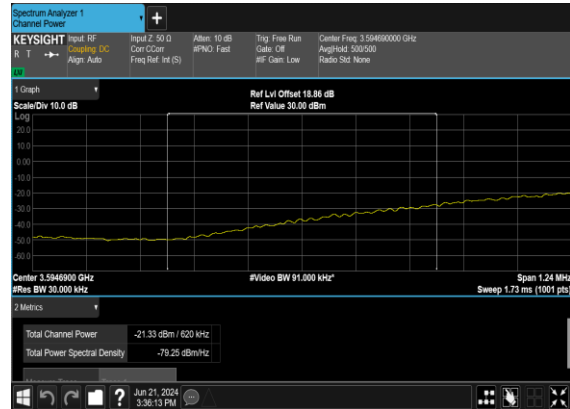




N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



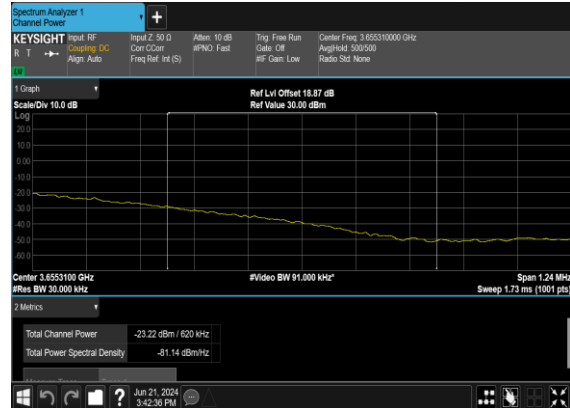
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH_chP_ PASS



N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Right_Mid_CH

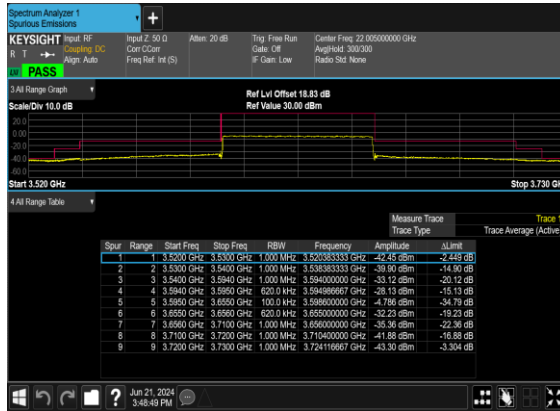


N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Right_Mid_CH_chP_ PASS

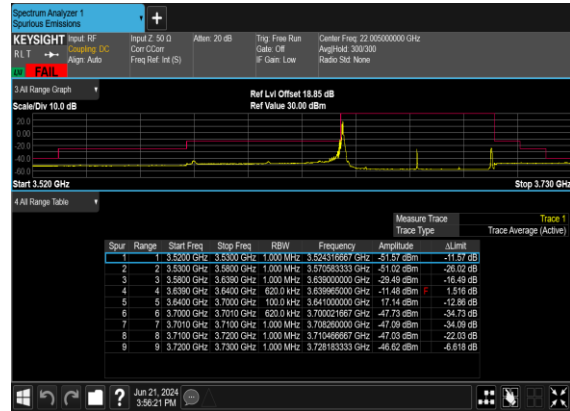




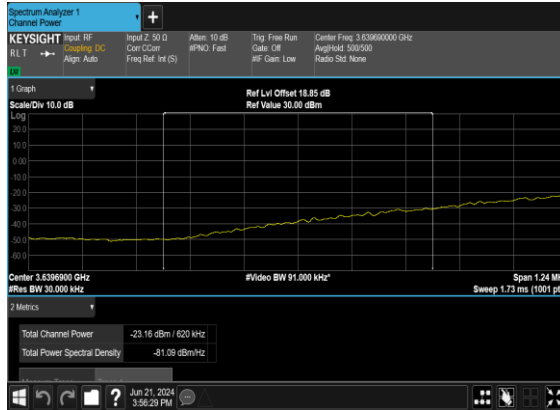
N77(60M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



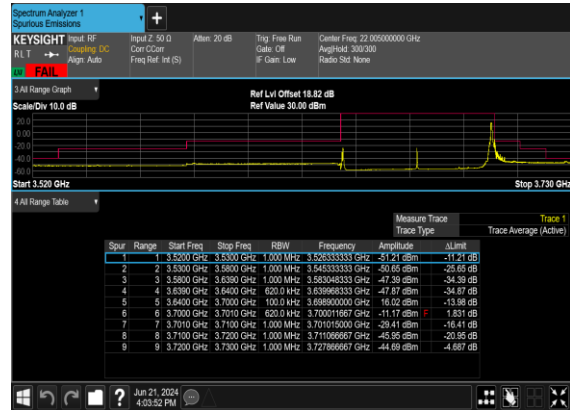
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH_CHP_

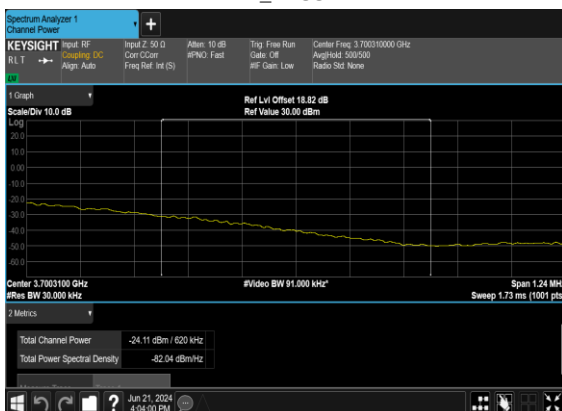


N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH

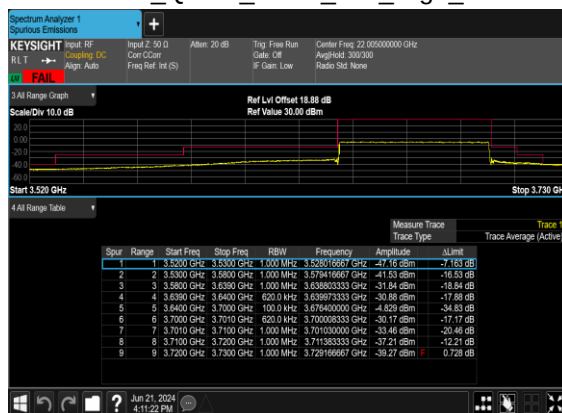




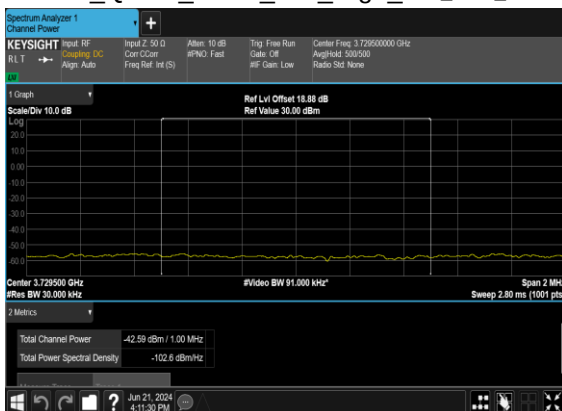
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH_ch
P_PASS



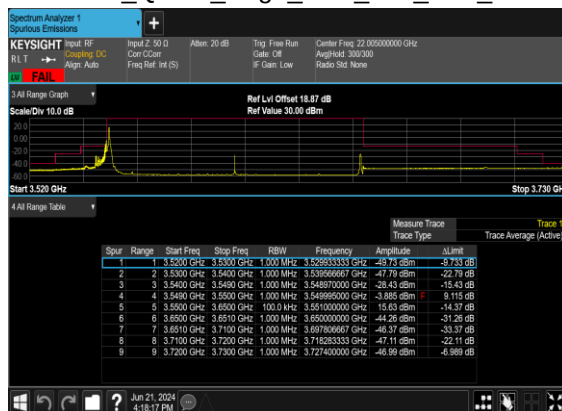
N77(60M)_CP-
OFDM_QPSK_Outer_Full_High_CH



N77(60M)_CP-
OFDM_QPSK_Outer_Full_High_CH_CHP_PASS

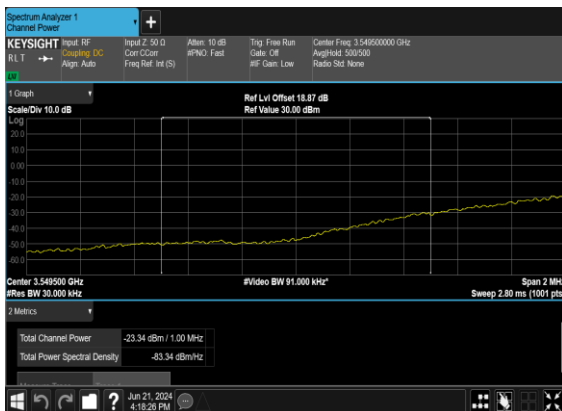


N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH

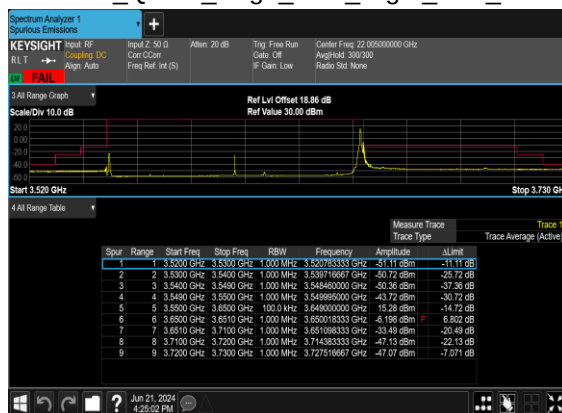




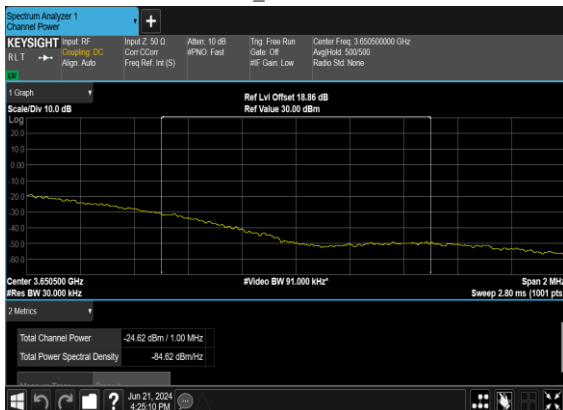
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH_chp_
PASS



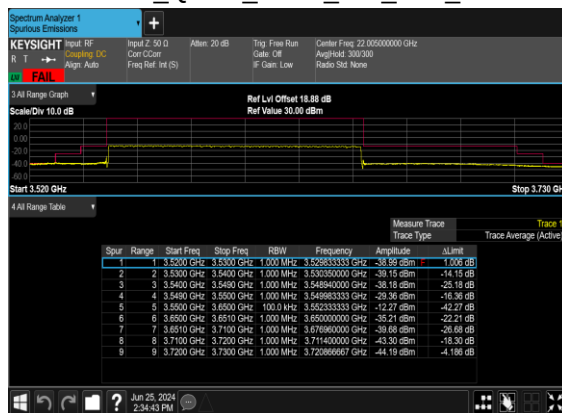
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Right_Low_CH



N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Right_Low_CH_chp_
PASS

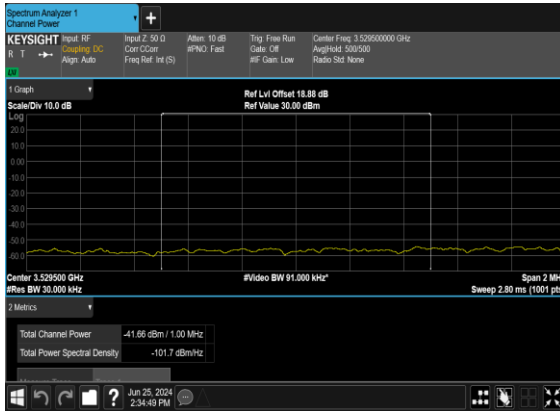


N77(100M)_CP-
OFDM_QPSK_Outer_Full_Low_CH

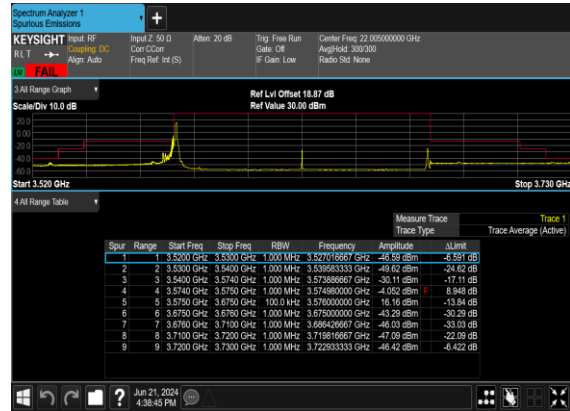




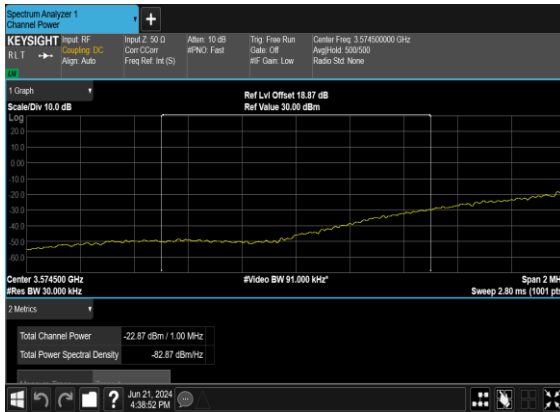
N77(100M)_CP-
OFDM_QPSK_Outer_Full_Low_CH_CHP_PASS



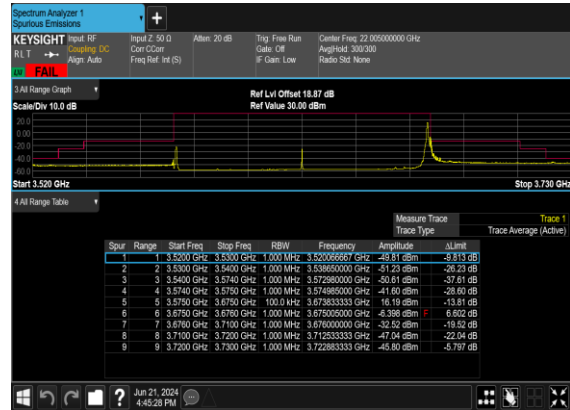
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH_CHP_P
ASS

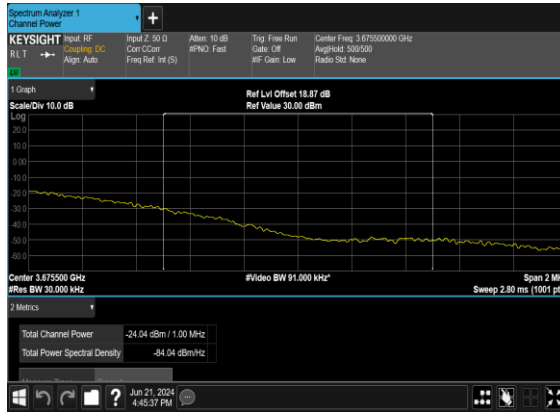


N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Right_Mid_CH

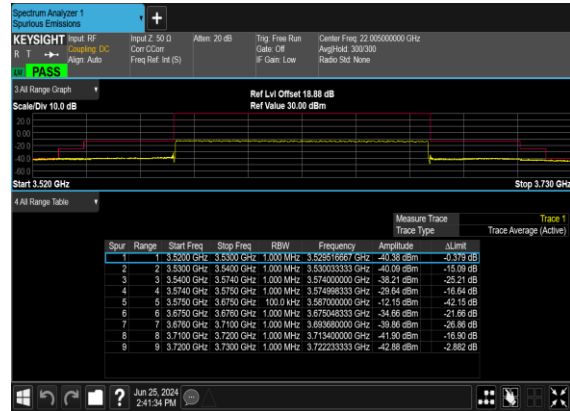




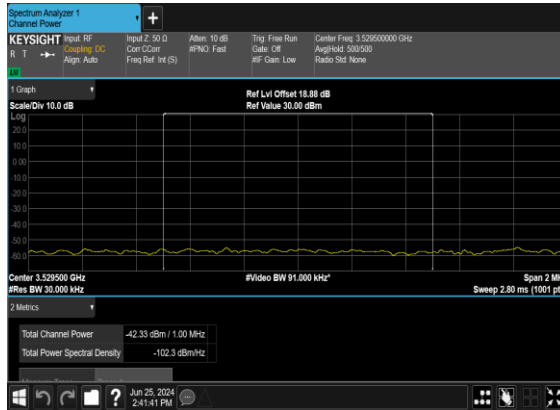
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Right_Mid_CH_chp-
PASS



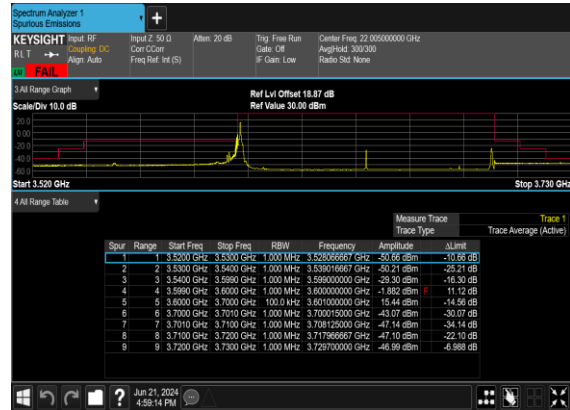
N77(100M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N77(100M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH_chp-PASS

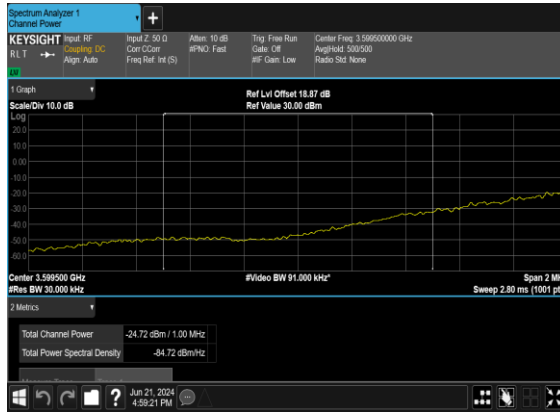


N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

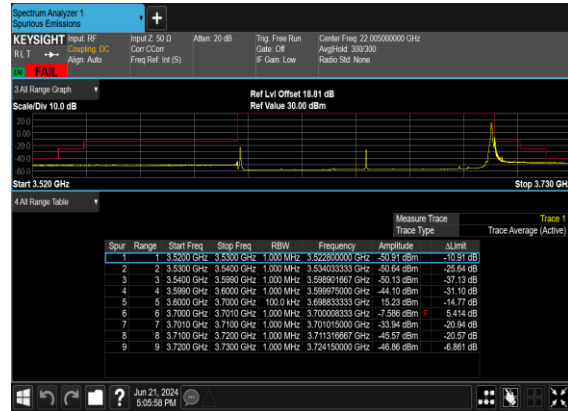




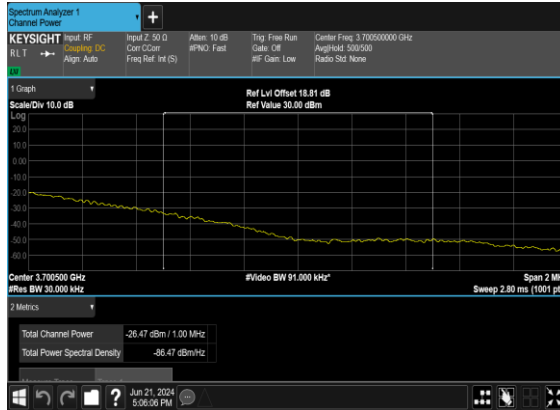
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH_chp-
PASS



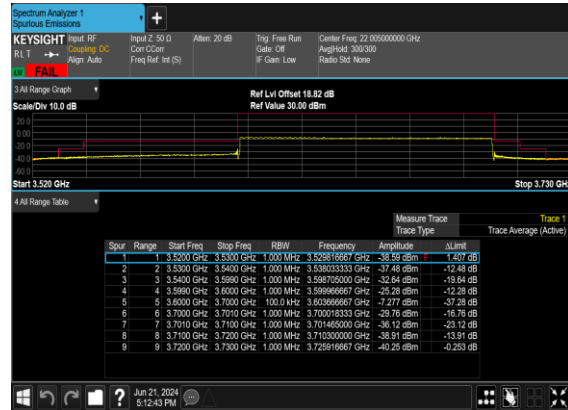
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH_ch
P_PASS

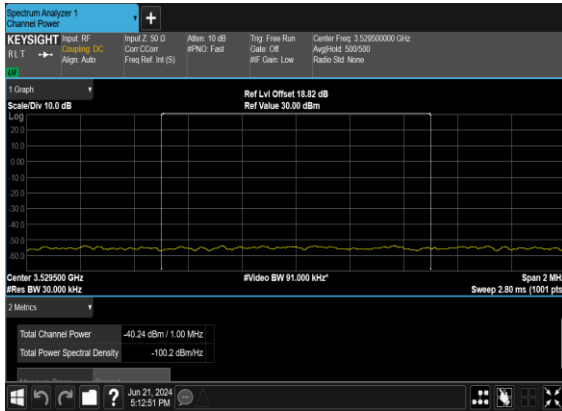


N77(100M)_CP-
OFDM_QPSK_Outer_Full_High_CH

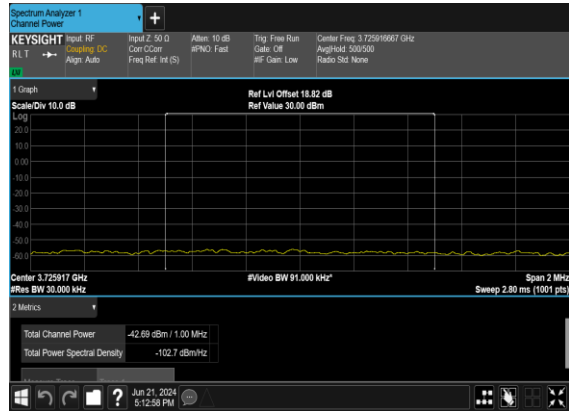




N77(100M)_CP-
OFDM_QPSK_Outer_Full_High_CH_CHP_PASS



N77(100M)_CP-
OFDM_QPSK_Outer_Full_High_CH_CHP_PASS





Software Version: 23.06.1602

FR1 N78 SISO (Ant4)

LTE Band: 2, LTE BW: 10M, LTE ARFCN: Mid

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=-0.56dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@1	21.98	21.42	0.1387
78	30	20	637334	3560.01	DFT-s-OFDM 16 QAM	1@1	21.23	20.67	0.1167
78	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@1	22.74	22.18	0.1652
78	30	20	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	21.91	21.35	0.1365
78	30	20	646000	3690	DFT-s-OFDM QPSK	1@1	22.54	21.98	0.1578
78	30	20	646000	3690	DFT-s-OFDM 16 QAM	1@1	21.85	21.29	0.1346
78	30	30	637668	3565.02	DFT-s-OFDM QPSK	1@1	22.09	21.53	0.1422
78	30	30	637668	3565.02	DFT-s-OFDM 16 QAM	1@1	21.34	20.78	0.1197
78	30	30	641666	3624.99	DFT-s-OFDM QPSK	1@1	22.6	22.04	0.1600
78	30	30	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	21.99	21.43	0.1390
78	30	30	645666	3684.99	DFT-s-OFDM QPSK	1@1	22.63	22.07	0.1611
78	30	30	645666	3684.99	DFT-s-OFDM 16 QAM	1@1	21.77	21.21	0.1321
78	30	40	638000	3570	DFT-s-OFDM QPSK	1@1	22	21.44	0.1393
78	30	40	638000	3570	DFT-s-OFDM 16 QAM	1@1	21.37	20.81	0.1205
78	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@1	22.7	22.14	0.1637
78	30	40	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	22.05	21.49	0.1409
78	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@1	22.22	21.66	0.1466
78	30	40	645332	3679.98	DFT-s-OFDM 16 QAM	1@1	21.49	20.93	0.1239
78	30	50	638334	3575.01	DFT-s-OFDM QPSK	1@1	21.75	21.19	0.1315
78	30	50	638334	3575.01	DFT-s-OFDM 16 QAM	1@1	20.97	20.41	0.1099
78	30	50	641666	3624.99	DFT-s-OFDM QPSK	1@1	22.41	21.85	0.1531
78	30	50	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	21.71	21.15	0.1303
78	30	50	645000	3675	DFT-s-OFDM QPSK	1@1	22.37	21.81	0.1517
78	30	50	645000	3675	DFT-s-OFDM 16 QAM	1@1	21.58	21.02	0.1265
78	30	60	638668	3580.02	DFT-s-OFDM QPSK	1@1	21.91	21.35	0.1365
78	30	60	638668	3580.02	DFT-s-OFDM 16 QAM	1@1	21.03	20.47	0.1114
78	30	60	641666	3624.99	DFT-s-OFDM QPSK	1@1	22.39	21.83	0.1524
78	30	60	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	21.64	21.08	0.1282
78	30	60	644666	3669.99	DFT-s-OFDM QPSK	1@1	22.23	21.67	0.1469
78	30	60	644666	3669.99	DFT-s-OFDM 16 QAM	1@1	21.5	20.94	0.1242
78	30	70	639000	3585	DFT-s-OFDM QPSK	1@1	21.71	21.15	0.1303



78	30	70	639000	3585	DFT-s-OFDM 16 QAM	1@1	20.85	20.29	0.1069
78	30	70	641666	3624.99	DFT-s-OFDM QPSK	1@1	22.34	21.78	0.1507
78	30	70	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	21.48	20.92	0.1236
78	30	70	644332	3664.98	DFT-s-OFDM QPSK	1@1	22.28	21.72	0.1486
78	30	70	644332	3664.98	DFT-s-OFDM 16 QAM	1@1	21.38	20.82	0.1208
78	30	80	639334	3590.01	DFT-s-OFDM QPSK	1@1	21.72	21.16	0.1306
78	30	80	639334	3590.01	DFT-s-OFDM 16 QAM	1@1	20.87	20.31	0.1074
78	30	80	641666	3624.99	DFT-s-OFDM QPSK	1@1	22.22	21.66	0.1466
78	30	80	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	21.48	20.92	0.1236
78	30	80	644000	3660	DFT-s-OFDM QPSK	1@1	22.07	21.51	0.1416
78	30	80	644000	3660	DFT-s-OFDM 16 QAM	1@1	21.32	20.76	0.1191
78	30	90	639668	3595.02	DFT-s-OFDM QPSK	1@1	21.65	21.09	0.1285
78	30	90	639668	3595.02	DFT-s-OFDM 16 QAM	1@1	20.9	20.34	0.1081
78	30	90	641666	3624.99	DFT-s-OFDM QPSK	1@1	22.33	21.77	0.1503
78	30	90	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	21.49	20.93	0.1239
78	30	90	643666	3654.99	DFT-s-OFDM QPSK	1@1	22.15	21.59	0.1442
78	30	90	643666	3654.99	DFT-s-OFDM 16 QAM	1@1	21.34	20.78	0.1197
78	30	100	640000	3600	DFT-s-OFDM PI/2 BPSK	135@67	22.3	21.74	0.1493
78	30	100	640000	3600	DFT-s-OFDM PI/2 BPSK	1@1	22.42	21.86	0.1535
78	30	100	640000	3600	DFT-s-OFDM PI/2 BPSK	1@271	22.16	21.6	0.1445
78	30	100	640000	3600	DFT-s-OFDM QPSK	135@67	22.31	21.75	0.1496
78	30	100	640000	3600	DFT-s-OFDM QPSK	1@1	22.2	21.64	0.1459
78	30	100	640000	3600	DFT-s-OFDM QPSK	1@271	22.13	21.57	0.1435
78	30	100	640000	3600	DFT-s-OFDM 16 QAM	135@67	21.45	20.89	0.1227
78	30	100	640000	3600	DFT-s-OFDM 16 QAM	1@1	21.45	20.89	0.1227
78	30	100	640000	3600	DFT-s-OFDM 16 QAM	1@271	21.34	20.78	0.1197
78	30	100	640000	3600	DFT-s-OFDM 64 QAM	135@67	19.96	19.4	0.0871
78	30	100	640000	3600	DFT-s-OFDM 64 QAM	1@1	20.11	19.55	0.0902
78	30	100	640000	3600	DFT-s-OFDM 64 QAM	1@271	19.74	19.18	0.0828
78	30	100	640000	3600	DFT-s-OFDM 256 QAM	135@67	17.94	17.38	0.0547
78	30	100	640000	3600	DFT-s-OFDM 256 QAM	1@1	17.61	17.05	0.0507
78	30	100	640000	3600	DFT-s-OFDM 256 QAM	1@271	17.64	17.08	0.0511
78	30	100	640000	3600	CP-OFDM QPSK	137@68	20.87	20.31	0.1074
78	30	100	640000	3600	CP-OFDM QPSK	1@1	20.77	20.21	0.1050
78	30	100	640000	3600	CP-OFDM QPSK	1@271	20.68	20.12	0.1028
78	30	100	641666	3624.99	DFT-s-OFDM PI/2 BPSK	135@67	22.28	21.72	0.1486
78	30	100	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@1	22.43	21.87	0.1538
78	30	100	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@271	22.76	22.2	0.1660
78	30	100	641666	3624.99	DFT-s-OFDM QPSK	135@67	22.28	21.72	0.1486
78	30	100	641666	3624.99	DFT-s-OFDM QPSK	1@1	22.28	21.72	0.1486
78	30	100	641666	3624.99	DFT-s-OFDM QPSK	1@271	21.98	21.42	0.1387



78	30	100	641666	3624.99	DFT-s-OFDM 16 QAM	135@67	21.29	20.73	0.1183
78	30	100	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	21.49	20.93	0.1239
78	30	100	641666	3624.99	DFT-s-OFDM 16 QAM	1@271	21.2	20.64	0.1159
78	30	100	641666	3624.99	DFT-s-OFDM 64 QAM	135@67	19.83	19.27	0.0845
78	30	100	641666	3624.99	DFT-s-OFDM 64 QAM	1@1	19.96	19.4	0.0871
78	30	100	641666	3624.99	DFT-s-OFDM 64 QAM	1@271	19.68	19.12	0.0817
78	30	100	641666	3624.99	DFT-s-OFDM 256 QAM	135@67	17.85	17.29	0.0536
78	30	100	641666	3624.99	DFT-s-OFDM 256 QAM	1@1	17.65	17.09	0.0512
78	30	100	641666	3624.99	DFT-s-OFDM 256 QAM	1@271	17.33	16.77	0.0475
78	30	100	641666	3624.99	CP-OFDM QPSK	137@68	20.86	20.3	0.1072
78	30	100	641666	3624.99	CP-OFDM QPSK	1@1	20.82	20.26	0.1062
78	30	100	641666	3624.99	CP-OFDM QPSK	1@271	20.51	19.95	0.0989
78	30	100	643332	3649.98	DFT-s-OFDM PI/2 BPSK	135@67	22.27	21.71	0.1483
78	30	100	643332	3649.98	DFT-s-OFDM PI/2 BPSK	1@1	22.43	21.87	0.1538
78	30	100	643332	3649.98	DFT-s-OFDM PI/2 BPSK	1@271	22.04	21.48	0.1406
78	30	100	643332	3649.98	DFT-s-OFDM QPSK	135@67	22.22	21.66	0.1466
78	30	100	643332	3649.98	DFT-s-OFDM QPSK	1@1	22.37	21.81	0.1517
78	30	100	643332	3649.98	DFT-s-OFDM QPSK	1@271	21.89	21.33	0.1358
78	30	100	643332	3649.98	DFT-s-OFDM 16 QAM	135@67	21.37	20.81	0.1205
78	30	100	643332	3649.98	DFT-s-OFDM 16 QAM	1@1	21.63	21.07	0.1279
78	30	100	643332	3649.98	DFT-s-OFDM 16 QAM	1@271	21.11	20.55	0.1135
78	30	100	643332	3649.98	DFT-s-OFDM 64 QAM	135@67	19.91	19.35	0.0861
78	30	100	643332	3649.98	DFT-s-OFDM 64 QAM	1@1	20.01	19.45	0.0881
78	30	100	643332	3649.98	DFT-s-OFDM 64 QAM	1@271	19.61	19.05	0.0804
78	30	100	643332	3649.98	DFT-s-OFDM 256 QAM	135@67	17.87	17.31	0.0538
78	30	100	643332	3649.98	DFT-s-OFDM 256 QAM	1@1	17.82	17.26	0.0532
78	30	100	643332	3649.98	DFT-s-OFDM 256 QAM	1@271	17.29	16.73	0.0471
78	30	100	643332	3649.98	CP-OFDM QPSK	137@68	20.78	20.22	0.1052
78	30	100	643332	3649.98	CP-OFDM QPSK	1@1	20.94	20.38	0.1091
78	30	100	643332	3649.98	CP-OFDM QPSK	1@271	20.48	19.92	0.0982



Software Version: 23.06.1602

FR1 N78 UL MIMO(Ant4+6)

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=0.65dB

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	20	637334	3560.01	CP-OFDM QPSK	1@1	18.84	19.39	22.13	22.78	0.1897
78	30	20	637334	3560.01	CP-OFDM 16 QAM	1@1	18.61	18.85	21.74	22.39	0.1734
78	30	20	641666	3624.99	CP-OFDM QPSK	1@1	19	19.38	22.20	22.85	0.1928
78	30	20	641666	3624.99	CP-OFDM 16 QAM	1@1	18.72	19.06	21.90	22.55	0.1799
78	30	20	646000	3690	CP-OFDM QPSK	1@1	19.05	19.41	22.24	22.89	0.1945
78	30	20	646000	3690	CP-OFDM 16 QAM	1@1	18.76	18.86	21.82	22.47	0.1766
78	30	30	637668	3565.02	CP-OFDM QPSK	1@1	18.93	19.46	22.21	22.86	0.1932
78	30	30	637668	3565.02	CP-OFDM 16 QAM	1@1	18.63	18.84	21.75	22.4	0.1738
78	30	30	641666	3624.99	CP-OFDM QPSK	1@1	19.08	19.32	22.21	22.86	0.1932
78	30	30	641666	3624.99	CP-OFDM 16 QAM	1@1	18.72	19.01	21.88	22.53	0.1791
78	30	30	645666	3684.99	CP-OFDM QPSK	1@1	18.96	19.4	22.20	22.85	0.1928
78	30	30	645666	3684.99	CP-OFDM 16 QAM	1@1	18.69	18.8	21.76	22.41	0.1742
78	30	40	638000	3570	CP-OFDM QPSK	1@1	19.13	19.2	22.18	22.83	0.1919
78	30	40	638000	3570	CP-OFDM 16 QAM	1@1	18.7	18.91	21.82	22.47	0.1766
78	30	40	641666	3624.99	CP-OFDM QPSK	1@1	19.06	19.43	22.26	22.91	0.1954
78	30	40	641666	3624.99	CP-OFDM 16 QAM	1@1	18.82	19.1	21.97	22.62	0.1828
78	30	40	645332	3679.98	CP-OFDM QPSK	1@1	19.03	19.44	22.25	22.9	0.1950
78	30	40	645332	3679.98	CP-OFDM 16 QAM	1@1	18.65	18.98	21.83	22.48	0.1770
78	30	50	638334	3575.01	CP-OFDM QPSK	1@1	18.78	19.26	22.04	22.69	0.1858
78	30	50	638334	3575.01	CP-OFDM 16 QAM	1@1	18.65	18.63	21.65	22.3	0.1698
78	30	50	641666	3624.99	CP-OFDM QPSK	1@1	18.87	19.49	22.20	22.85	0.1928
78	30	50	641666	3624.99	CP-OFDM 16 QAM	1@1	18.62	18.86	21.75	22.4	0.1738
78	30	50	645000	3675	CP-OFDM QPSK	1@1	18.85	19.44	22.17	22.82	0.1914
78	30	50	645000	3675	CP-OFDM 16 QAM	1@1	18.67	18.85	21.77	22.42	0.1746
78	30	60	638668	3580.02	CP-OFDM QPSK	1@1	18.75	19.17	21.98	22.63	0.1832
78	30	60	638668	3580.02	CP-OFDM 16 QAM	1@1	18.64	18.64	21.65	22.3	0.1698



78	30	60	641666	3624.99	CP-OFDM QPSK	1@1	18.82	19.52	22.19	22.84	0.1923
78	30	60	641666	3624.99	CP-OFDM 16 QAM	1@1	18.61	18.91	21.77	22.42	0.1746
78	30	60	644666	3669.99	CP-OFDM QPSK	1@1	18.81	19.47	22.16	22.81	0.1910
78	30	60	644666	3669.99	CP-OFDM 16 QAM	1@1	18.58	18.76	21.68	22.33	0.1710
78	30	70	639000	3585	CP-OFDM QPSK	1@1	18.7	19.2	21.97	22.62	0.1828
78	30	70	639000	3585	CP-OFDM 16 QAM	1@1	18.42	18.63	21.54	22.19	0.1656
78	30	70	641666	3624.99	CP-OFDM QPSK	1@1	18.78	19.33	22.07	22.72	0.1871
78	30	70	641666	3624.99	CP-OFDM 16 QAM	1@1	18.34	18.95	21.67	22.32	0.1706
78	30	70	644332	3664.98	CP-OFDM QPSK	1@1	18.76	19.49	22.15	22.8	0.1905
78	30	70	644332	3664.98	CP-OFDM 16 QAM	1@1	18.58	18.77	21.69	22.34	0.1714
78	30	80	639334	3590.01	CP-OFDM QPSK	1@1	18.55	19.25	21.92	22.57	0.1807
78	30	80	639334	3590.01	CP-OFDM 16 QAM	1@1	18.26	18.63	21.46	22.11	0.1626
78	30	80	641666	3624.99	CP-OFDM QPSK	1@1	18.68	19.3	22.01	22.66	0.1845
78	30	80	641666	3624.99	CP-OFDM 16 QAM	1@1	18.34	18.64	21.50	22.15	0.1641
78	30	80	644000	3660	CP-OFDM QPSK	1@1	18.65	19.39	22.05	22.7	0.1862
78	30	80	644000	3660	CP-OFDM 16 QAM	1@1	18.34	18.83	21.60	22.25	0.1679
78	30	90	639668	3595.02	CP-OFDM QPSK	1@1	18.63	19.31	21.99	22.64	0.1837
78	30	90	639668	3595.02	CP-OFDM 16 QAM	1@1	18.28	18.65	21.48	22.13	0.1633
78	30	90	641666	3624.99	CP-OFDM QPSK	1@1	18.76	19.23	22.01	22.66	0.1845
78	30	90	641666	3624.99	CP-OFDM 16 QAM	1@1	18.25	18.65	21.46	22.11	0.1626
78	30	90	643666	3654.99	CP-OFDM QPSK	1@1	18.73	19.48	22.13	22.78	0.1897
78	30	90	643666	3654.99	CP-OFDM 16 QAM	1@1	18.38	18.86	21.64	22.29	0.1694
78	30	100	640000	3600	CP-OFDM QPSK	137@68	18.67	19.17	21.94	22.59	0.1816
78	30	100	640000	3600	CP-OFDM QPSK	1@1	18.73	19.22	21.99	22.64	0.1837
78	30	100	640000	3600	CP-OFDM QPSK	1@271	18.52	18.9	21.72	22.37	0.1726
78	30	100	640000	3600	CP-OFDM 16 QAM	137@68	18.12	18.68	21.42	22.07	0.1611
78	30	100	640000	3600	CP-OFDM 16 QAM	1@1	18.33	18.73	21.54	22.19	0.1656
78	30	100	640000	3600	CP-OFDM 16 QAM	1@271	18	18.5	21.27	21.92	0.1556
78	30	100	640000	3600	CP-OFDM 64 QAM	137@68	17.47	17.89	20.70	21.35	0.1365
78	30	100	640000	3600	CP-OFDM 64 QAM	1@1	17.51	18.02	20.78	21.43	0.1390
78	30	100	640000	3600	CP-OFDM 64 QAM	1@271	17.23	17.98	20.63	21.28	0.1343
78	30	100	640000	3600	CP-OFDM 256 QAM	137@68	15.43	15.96	18.71	19.36	0.0863



78	30	100	640000	3600	CP-OFDM 256 QAM	1@1	15.23	15.94	18.61	19.26	0.0843
78	30	100	640000	3600	CP-OFDM 256 QAM	1@271	15.1	15.74	18.44	19.09	0.0811
78	30	100	641666	3624.99	CP-OFDM QPSK	137@68	18.66	19.25	21.98	22.63	0.1832
78	30	100	641666	3624.99	CP-OFDM QPSK	1@1	18.58	19.27	21.95	22.6	0.1820
78	30	100	641666	3624.99	CP-OFDM QPSK	1@271	18.38	18.81	21.61	22.26	0.1683
78	30	100	641666	3624.99	CP-OFDM 16 QAM	137@68	18.17	18.66	21.43	22.08	0.1614
78	30	100	641666	3624.99	CP-OFDM 16 QAM	1@1	18.4	18.68	21.55	22.2	0.1660
78	30	100	641666	3624.99	CP-OFDM 16 QAM	1@271	17.95	18.25	21.11	21.76	0.1500
78	30	100	641666	3624.99	CP-OFDM 64 QAM	137@68	17.51	17.96	20.75	21.4	0.1380
78	30	100	641666	3624.99	CP-OFDM 64 QAM	1@1	17.48	17.99	20.75	21.4	0.1380
78	30	100	641666	3624.99	CP-OFDM 64 QAM	1@271	17.14	17.86	20.53	21.18	0.1312
78	30	100	641666	3624.99	CP-OFDM 256 QAM	137@68	15.51	15.97	18.76	19.41	0.0873
78	30	100	641666	3624.99	CP-OFDM 256 QAM	1@1	15.34	16.06	18.73	19.38	0.0867
78	30	100	641666	3624.99	CP-OFDM 256 QAM	1@271	14.99	15.61	18.32	18.97	0.0789
78	30	100	643332	3649.98	CP-OFDM QPSK	137@68	18.63	19.11	21.89	22.54	0.1795
78	30	100	643332	3649.98	CP-OFDM QPSK	1@1	18.86	19.61	22.26	22.91	0.1954
78	30	100	643332	3649.98	CP-OFDM QPSK	1@271	18.28	18.85	21.58	22.23	0.1671
78	30	100	643332	3649.98	CP-OFDM 16 QAM	137@68	18.2	18.69	21.46	22.11	0.1626
78	30	100	643332	3649.98	CP-OFDM 16 QAM	1@1	18.26	18.92	21.61	22.26	0.1683
78	30	100	643332	3649.98	CP-OFDM 16 QAM	1@271	17.89	18.18	21.05	21.7	0.1479
78	30	100	643332	3649.98	CP-OFDM 64 QAM	137@68	17.47	17.99	20.75	21.4	0.1380
78	30	100	643332	3649.98	CP-OFDM 64 QAM	1@1	17.51	18.38	20.98	21.63	0.1455
78	30	100	643332	3649.98	CP-OFDM 64 QAM	1@271	17.2	17.69	20.46	21.11	0.1291
78	30	100	643332	3649.98	CP-OFDM 256 QAM	137@68	15.48	15.97	18.74	19.39	0.0869
78	30	100	643332	3649.98	CP-OFDM 256 QAM	1@1	15.29	16.41	18.90	19.55	0.0902
78	30	100	643332	3649.98	CP-OFDM 256 QAM	1@271	14.92	15.64	18.31	18.96	0.0787

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Bruce	Temperature :	23~25°C
		Relative Humidity :	41~42%

n48 SA / NR 40MHz / QPSK / ANT4(NR)								
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)
Lowest	7099	-62.65	-40	-22.65	-74.11	2.84	14.30	H
	10652	-60.86	-40	-20.86	-70.80	3.49	13.43	H
	14205	-60.59	-40	-20.59	-70.83	3.85	14.09	H
	7099	-62.38	-40	-22.38	-73.84	2.84	14.30	V
	10652	-60.94	-40	-20.94	-70.88	3.49	13.43	V
	14205	-59.96	-40	-19.96	-70.20	3.85	14.09	V
Middle	7209	-62.16	-40	-22.16	-73.62	2.84	14.30	H
	10817	-59.87	-40	-19.87	-69.81	3.49	13.43	H
	14425	-58.59	-40	-18.59	-68.83	3.85	14.09	H
	7209	-61.97	-40	-21.97	-73.43	2.84	14.30	V
	10817	-54.57	-40	-14.57	-64.51	3.49	13.43	V
	14425	-58.01	-40	-18.01	-68.25	3.85	14.09	V
Highest	7319	-62.52	-40	-22.52	-73.98	2.84	14.30	H
	10982	-60.57	-40	-20.57	-70.51	3.49	13.43	H
	14645	-59.12	-40	-19.12	-69.36	3.85	14.09	H
	7319	-62.68	-40	-22.68	-74.14	2.84	14.30	V
	10982	-58.11	-40	-18.11	-68.05	3.49	13.43	V
	14645	-59.24	-40	-19.24	-69.48	3.85	14.09	V

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

EN-DC_13A_n48A / LTE 10MHz + NR 40MHz / QPSK / ANT0(LTE) & ANT4(NR)								
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)
Lowest	7099	-61.78	-40	-21.78	-73.24	2.84	14.30	H
	10652	-61.50	-40	-21.50	-71.44	3.49	13.43	H
	14205	-61.74	-40	-21.74	-71.98	3.85	14.09	H
	7099	-59.95	-40	-19.95	-71.41	2.84	14.30	V
	10652	-60.67	-40	-20.67	-70.61	3.49	13.43	V
	14205	-61.41	-40	-21.41	-71.65	3.85	14.09	V
Middle	7209	-62.81	-40	-22.81	-74.27	2.84	14.30	H
	10817	-57.27	-40	-17.27	-67.21	3.49	13.43	H
	14425	-61.57	-40	-21.57	-71.81	3.85	14.09	H
	7209	-62.14	-40	-22.14	-73.60	2.84	14.30	V
	10817	-60.17	-40	-20.17	-70.11	3.49	13.43	V
	14425	-61.04	-40	-21.04	-71.28	3.85	14.09	V
Highest	7319	-62.76	-40	-22.76	-74.22	2.84	14.30	H
	10982	-61.46	-40	-21.46	-71.40	3.49	13.43	H
	14645	-60.61	-40	-20.61	-70.85	3.85	14.09	H
	7319	-62.65	-40	-22.65	-74.11	2.84	14.30	V
	10982	-58.09	-40	-18.09	-68.03	3.49	13.43	V
	14645	-58.63	-40	-18.63	-68.87	3.85	14.09	V

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



n77 SA / NR 100MHz / QPSK / ANT4(NR)								
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)
Lowest	7099	-59.84	-40	-19.84	-71.30	2.84	14.30	H
	10652	-52.08	-40	-12.08	-62.02	3.49	13.43	H
	14205	-59.74	-40	-19.74	-69.98	3.85	14.09	H
	7099	-55.03	-40	-15.03	-66.49	2.84	14.30	V
	10652	-45.59	-40	-5.59	-55.53	3.49	13.43	V
	14205	-58.63	-40	-18.63	-68.87	3.85	14.09	V
Middle	7154	-60.05	-40	-20.05	-71.51	2.84	14.30	H
	10729	-55.47	-40	-15.47	-65.41	3.49	13.43	H
	14304	-56.36	-40	-16.36	-66.60	3.85	14.09	H
	7154	-54.19	-40	-14.19	-65.65	2.84	14.30	V
	10729	-52.55	-40	-12.55	-62.49	3.49	13.43	V
	14304	-55.55	-40	-15.55	-65.79	3.85	14.09	V
Highest	7198	-62.69	-40	-22.69	-74.15	2.84	14.30	H
	10806	-55.76	-40	-15.76	-65.70	3.49	13.43	H
	14403	-58.91	-40	-18.91	-69.15	3.85	14.09	H
	7198	-61.03	-40	-21.03	-72.49	2.84	14.30	V
	10806	-43.40	-40	-3.40	-53.34	3.49	13.43	V
	14403	-55.75	-40	-15.75	-65.99	3.85	14.09	V

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

UL MIMO n77 / NR 100MHz / QPSK / ANT4+6(NR)								
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)
Lowest	7099	-61.08	-40	-21.08	-72.54	2.84	14.30	H
	10652	-57.74	-40	-17.74	-67.68	3.49	13.43	H
	14205	-59.63	-40	-19.63	-69.87	3.85	14.09	H
	7099	-56.78	-40	-16.78	-68.24	2.84	14.30	V
	10652	-53.10	-40	-13.10	-63.04	3.49	13.43	V
	14205	-57.87	-40	-17.87	-68.11	3.85	14.09	V
Middle	7154	-61.68	-40	-21.68	-73.14	2.84	14.30	H
	10729	-59.02	-40	-19.02	-68.96	3.49	13.43	H
	14304	-59.49	-40	-19.49	-69.73	3.85	14.09	H
	7154	-57.98	-40	-17.98	-69.44	2.84	14.30	V
	10729	-55.19	-40	-15.19	-65.13	3.49	13.43	V
	14304	-57.46	-40	-17.46	-67.70	3.85	14.09	V
Highest	7198	-62.33	-40	-22.33	-73.79	2.84	14.30	H
	10806	-60.57	-40	-20.57	-70.51	3.49	13.43	H
	14403	-58.88	-40	-18.88	-69.12	3.85	14.09	H
	7198	-61.49	-40	-21.49	-72.95	2.84	14.30	V
	10806	-56.52	-40	-16.52	-66.46	3.49	13.43	V
	14403	-54.44	-40	-14.44	-64.68	3.85	14.09	V

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



EN-DC_30A_n77A / LTE 10MHz + NR 100MHz / QPSK / ANT3(LTE) & ANT4(NR)								
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)
Lowest	7099	-61.10	-40	-21.10	-72.56	2.84	14.30	H
	10652	-57.07	-40	-17.07	-67.01	3.49	13.43	H
	14205	-60.93	-40	-20.93	-71.17	3.85	14.09	H
	7099	-57.63	-40	-17.63	-69.09	2.84	14.30	V
	10652	-51.20	-40	-11.20	-61.14	3.49	13.43	V
	14205	-58.94	-40	-18.94	-69.18	3.85	14.09	V
Middle	7154	-59.69	-40	-19.69	-71.15	2.84	14.30	H
	10729	-57.67	-40	-17.67	-67.61	3.49	13.43	H
	14304	-59.07	-40	-19.07	-69.31	3.85	14.09	H
	7154	-56.86	-40	-16.86	-68.32	2.84	14.30	V
	10729	-55.55	-40	-15.55	-65.49	3.49	13.43	V
	14304	-57.78	-40	-17.78	-68.02	3.85	14.09	V
Highest	7198	-62.40	-40	-22.40	-73.86	2.84	14.30	H
	10806	-57.59	-40	-17.59	-67.53	3.49	13.43	H
	14403	-59.48	-40	-19.48	-69.72	3.85	14.09	H
	7198	-62.22	-40	-22.22	-73.68	2.84	14.30	V
	10806	-49.06	-40	-9.06	-59.00	3.49	13.43	V
	14403	-58.06	-40	-18.06	-68.30	3.85	14.09	V

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

n78 SA / NR 100MHz / QPSK / ANT4(NR)								
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)
Lowest	7099	-60.49	-40	-20.49	-71.95	2.84	14.30	H
	10652	-53.78	-40	-13.78	-63.72	3.49	13.43	H
	14205	-60.07	-40	-20.07	-70.31	3.85	14.09	H
	7099	-57.25	-40	-17.25	-68.71	2.84	14.30	V
	10652	-49.58	-40	-9.58	-59.52	3.49	13.43	V
	14205	-57.73	-40	-17.73	-67.97	3.85	14.09	V
Middle	7154	-62.17	-40	-22.17	-73.63	2.84	14.30	H
	10729	-53.08	-40	-13.08	-63.02	3.49	13.43	H
	14304	-56.73	-40	-16.73	-66.97	3.85	14.09	H
	7154	-57.63	-40	-17.63	-69.09	2.84	14.30	V
	10729	-47.77	-40	-7.77	-57.71	3.49	13.43	V
	14304	-54.94	-40	-14.94	-65.18	3.85	14.09	V
Highest	7198	-62.31	-40	-22.31	-73.77	2.84	14.30	H
	10806	-52.60	-40	-12.60	-62.54	3.49	13.43	H
	14403	-58.16	-40	-18.16	-68.40	3.85	14.09	H
	7198	-59.05	-40	-19.05	-70.51	2.84	14.30	V
	10806	-44.22	-40	-4.22	-54.16	3.49	13.43	V
	14403	-54.62	-40	-14.62	-64.86	3.85	14.09	V

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



UL MIMO n78 / NR 100MHz / QPSK / ANT4+6(NR)								
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)
Lowest	7099	-62.66	-40	-22.66	-74.12	2.84	14.30	H
	10652	-58.14	-40	-18.14	-68.08	3.49	13.43	H
	14205	-59.30	-40	-19.30	-69.54	3.85	14.09	H
	7099	-57.32	-40	-17.32	-68.78	2.84	14.30	V
	10652	-56.35	-40	-16.35	-66.29	3.49	13.43	V
	14205	-58.92	-40	-18.92	-69.16	3.85	14.09	V
Middle	7154	-62.55	-40	-22.55	-74.01	2.84	14.30	H
	10729	-58.32	-40	-18.32	-68.26	3.49	13.43	H
	14304	-60.11	-40	-20.11	-70.35	3.85	14.09	H
	7154	-59.06	-40	-19.06	-70.52	2.84	14.30	V
	10729	-54.63	-40	-14.63	-64.57	3.49	13.43	V
	14304	-56.95	-40	-16.95	-67.19	3.85	14.09	V
Highest	7198	-62.52	-40	-22.52	-73.98	2.84	14.30	H
	10806	-59.62	-40	-19.62	-69.56	3.49	13.43	H
	14403	-58.71	-40	-18.71	-68.95	3.85	14.09	H
	7198	-61.28	-40	-21.28	-72.74	2.84	14.30	V
	10806	-57.05	-40	-17.05	-66.99	3.49	13.43	V
	14403	-54.36	-40	-14.36	-64.60	3.85	14.09	V

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

EN-DC_13A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT0(LTE) & ANT4(NR)								
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)
Lowest	7099	-61.22	-40	-21.22	-72.68	2.84	14.30	H
	10652	-57.12	-40	-17.12	-67.06	3.49	13.43	H
	14205	-59.99	-40	-19.99	-70.23	3.85	14.09	H
	7099	-59.15	-40	-19.15	-70.61	2.84	14.30	V
	10652	-56.40	-40	-16.40	-66.34	3.49	13.43	V
	14205	-58.06	-40	-18.06	-68.30	3.85	14.09	V
Middle	7154	-60.90	-40	-20.90	-72.36	2.84	14.30	H
	10729	-56.24	-40	-16.24	-66.18	3.49	13.43	H
	14304	-57.34	-40	-17.34	-67.58	3.85	14.09	H
	7154	-58.92	-40	-18.92	-70.38	2.84	14.30	V
	10729	-52.72	-40	-12.72	-62.66	3.49	13.43	V
	14304	-55.71	-40	-15.71	-65.95	3.85	14.09	V
Highest	7198	-60.66	-40	-20.66	-72.12	2.84	14.30	H
	10806	-54.82	-40	-14.82	-64.76	3.49	13.43	H
	14403	-59.64	-40	-19.64	-69.88	3.85	14.09	H
	7198	-59.57	-40	-19.57	-71.03	2.84	14.30	V
	10806	-49.75	-40	-9.75	-59.69	3.49	13.43	V
	14403	-56.18	-40	-16.18	-66.42	3.85	14.09	V

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