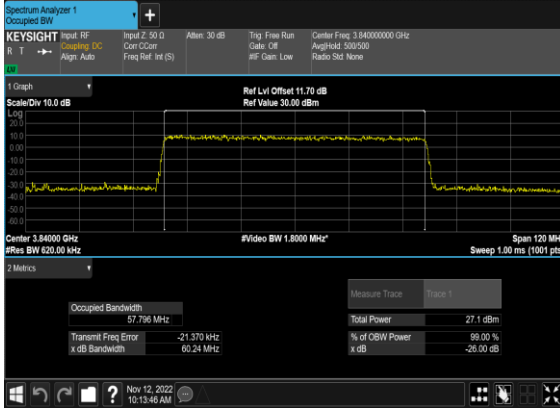
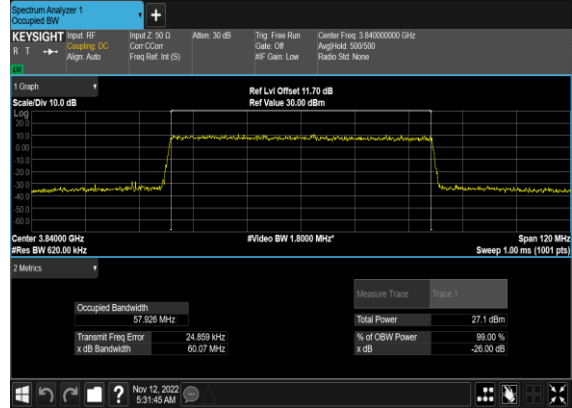


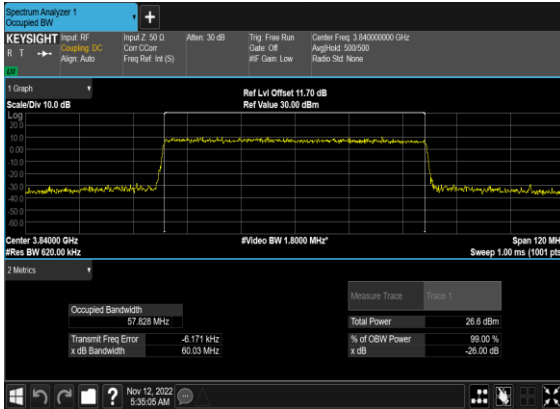
N77(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



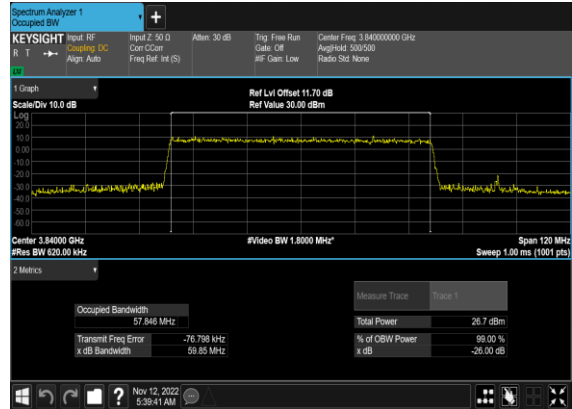
N77(60M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



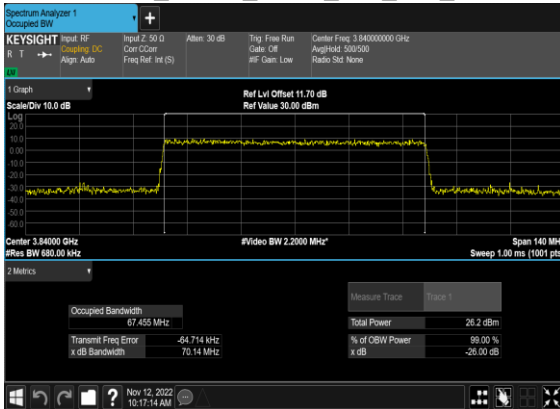
N77(60M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



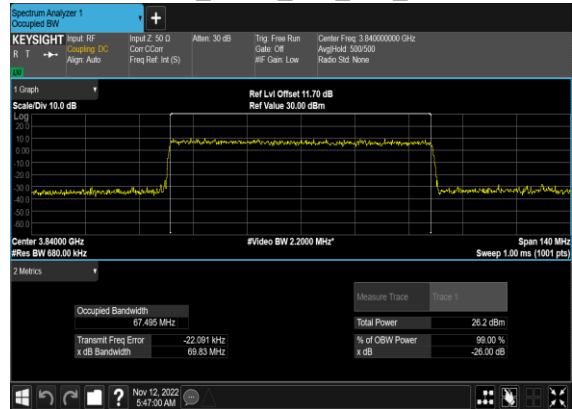
N77(60M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



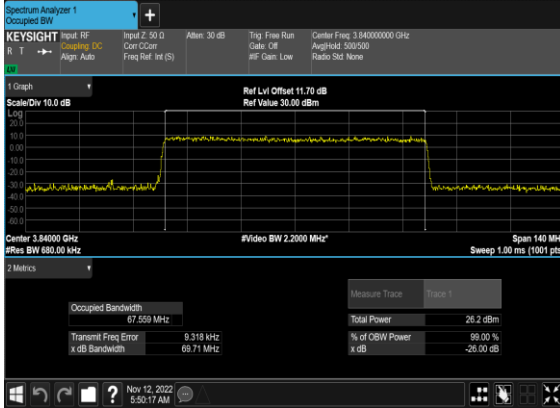
N77(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



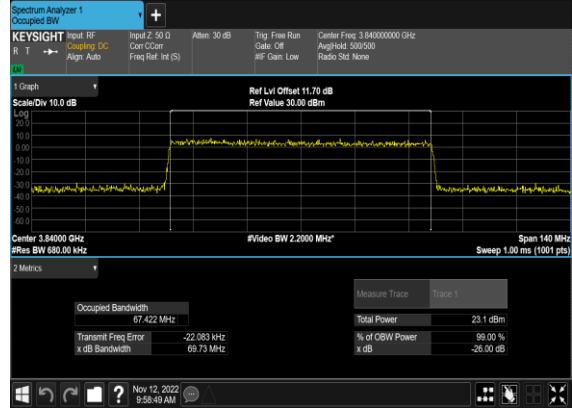
N77(70M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



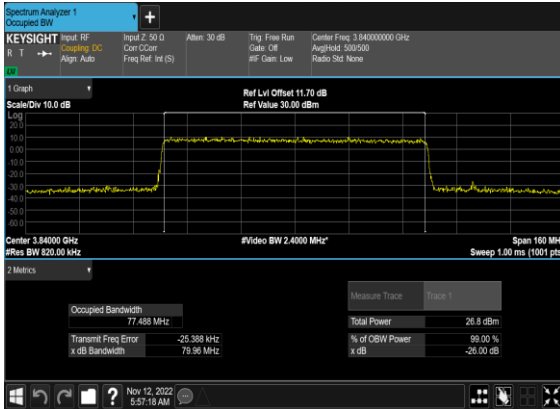
N77(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



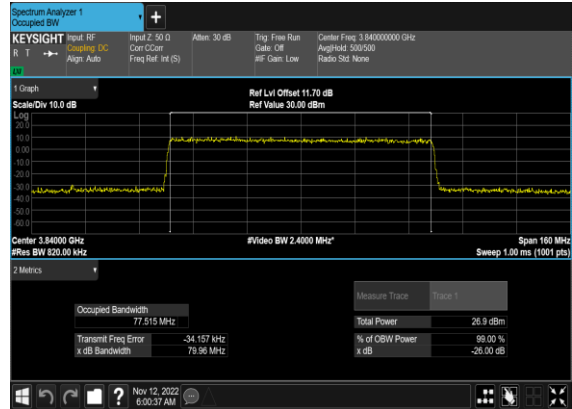
N77(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



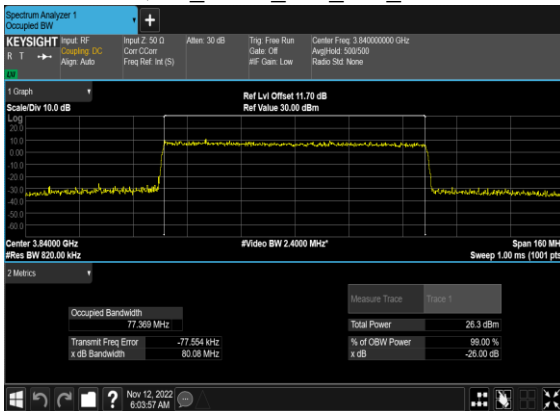
N77(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



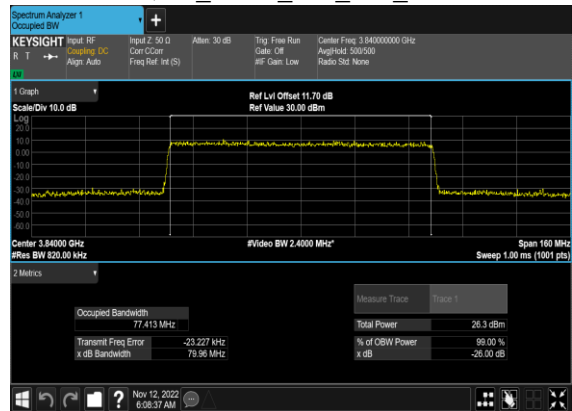
N77(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



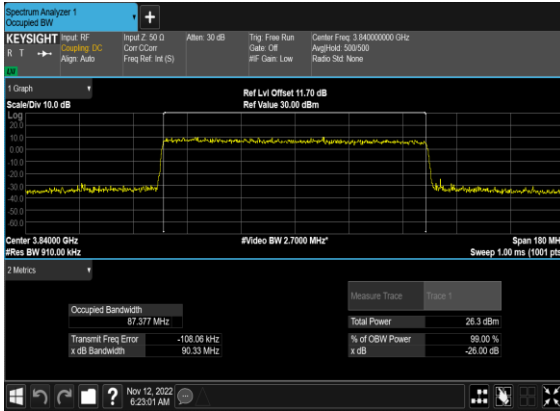
N77(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



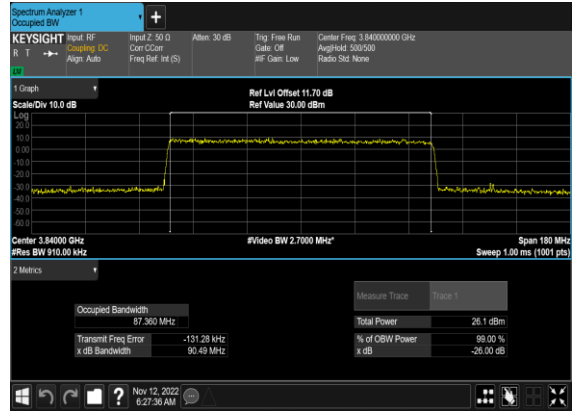
N77(90M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



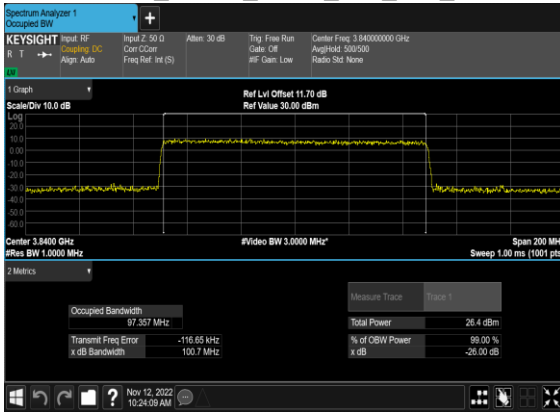
N77(90M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



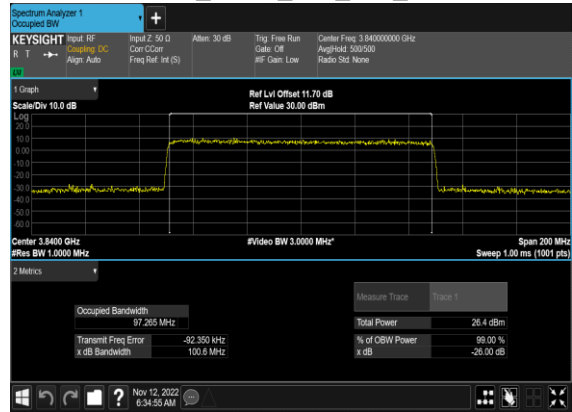
N77(90M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



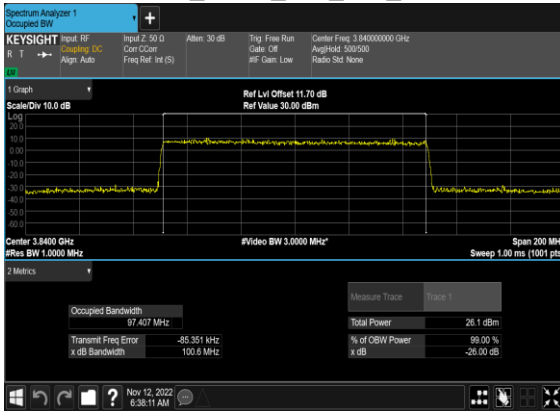
N77(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



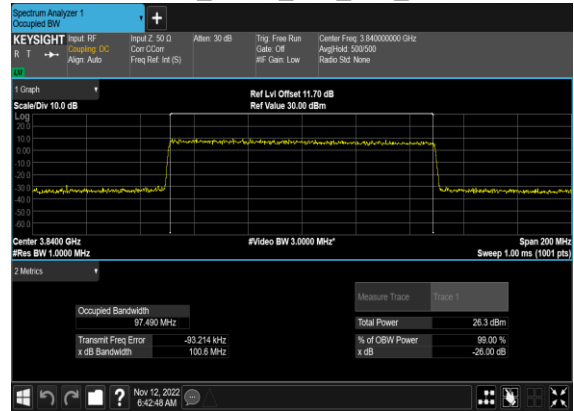
N77(100M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



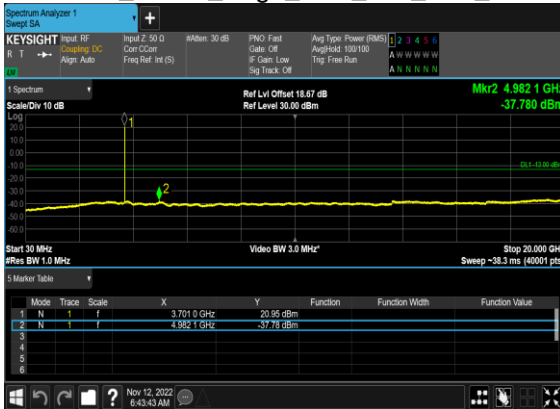
N77(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



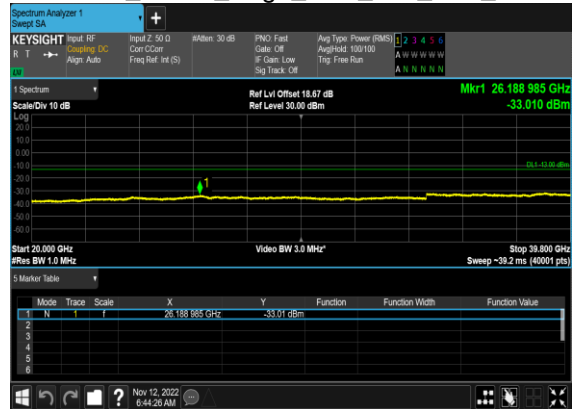
Conducted Spurious Emissions

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

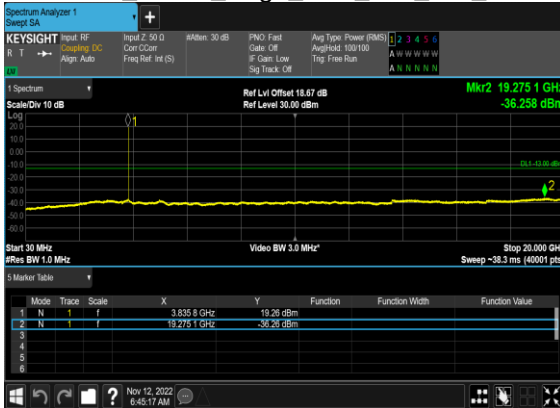
N77(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



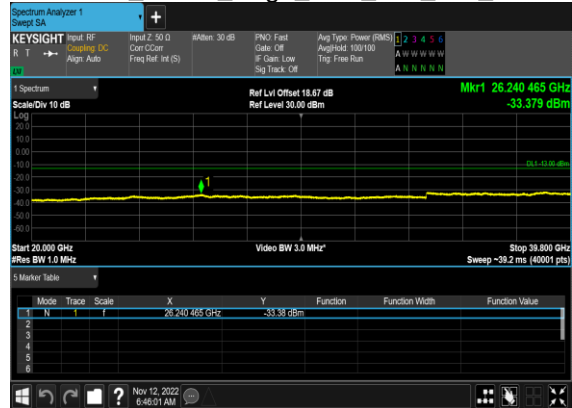
N77(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



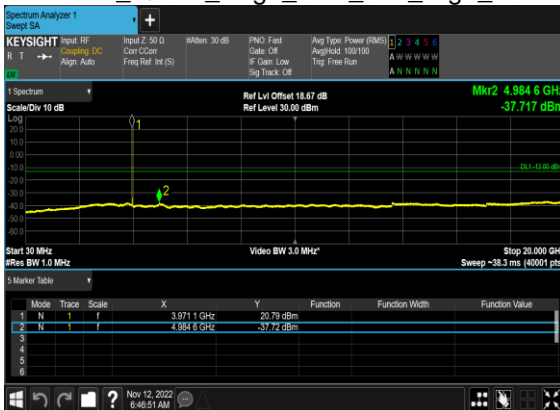
N77(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



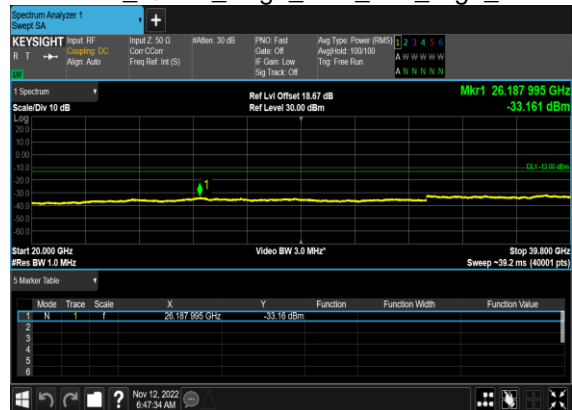
N77(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(10M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



N77(10M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



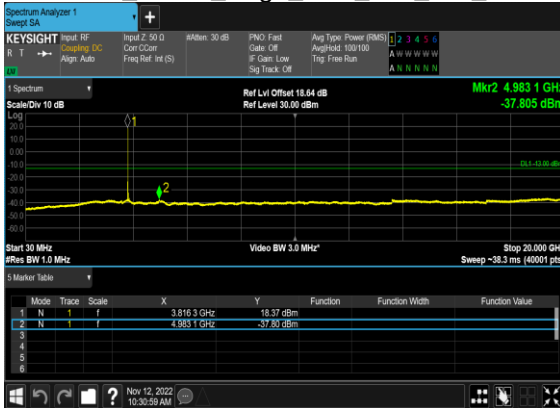
N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



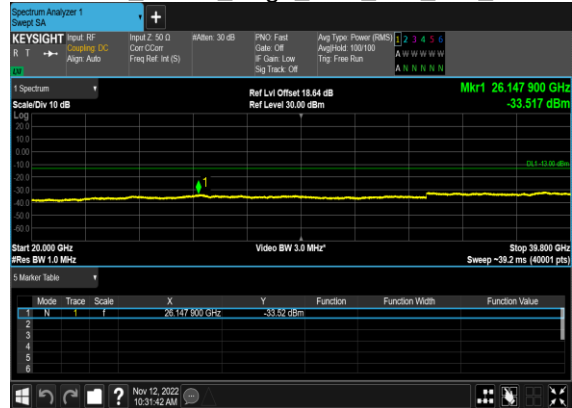
N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



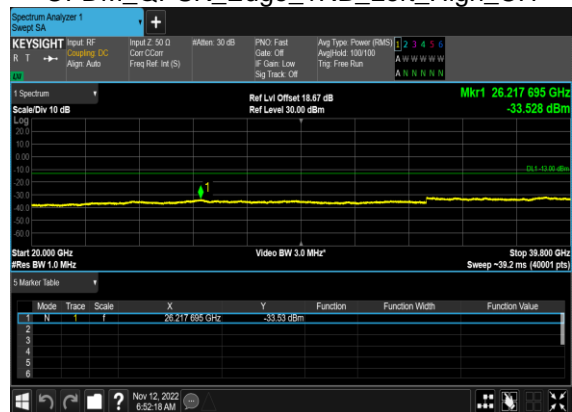
N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



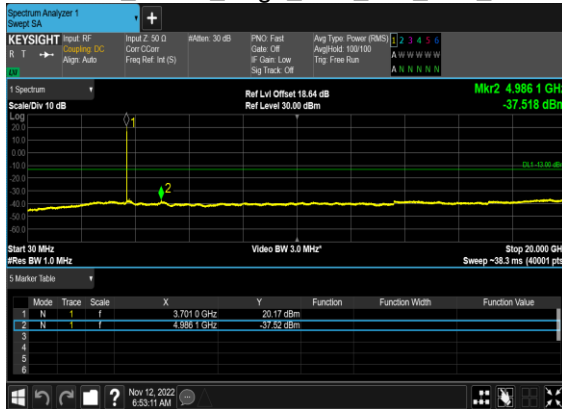
N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



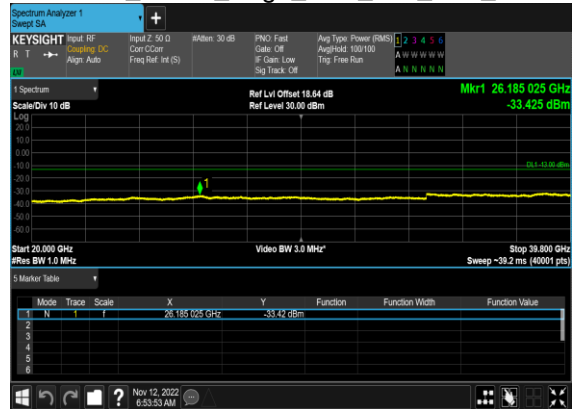
N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



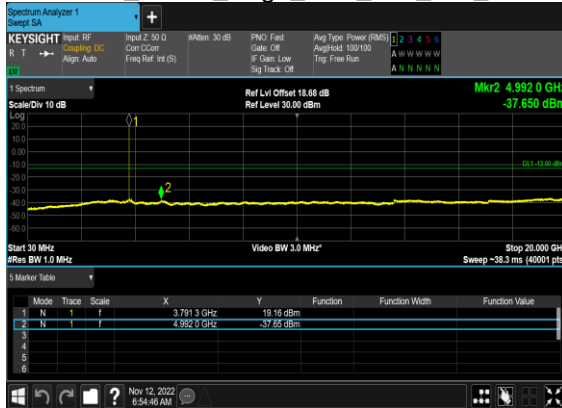
N77(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



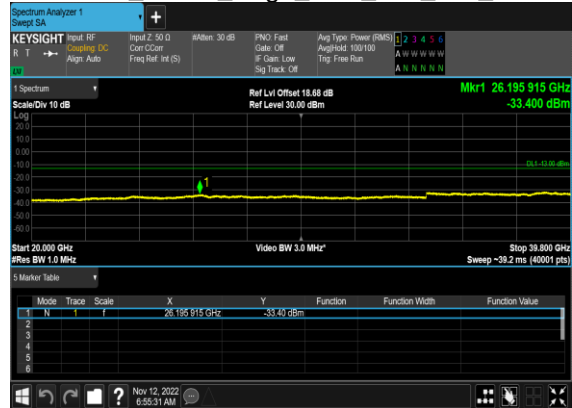
N77(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



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



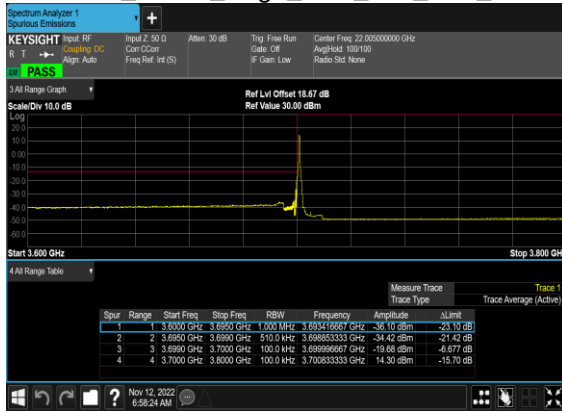
N77(100M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



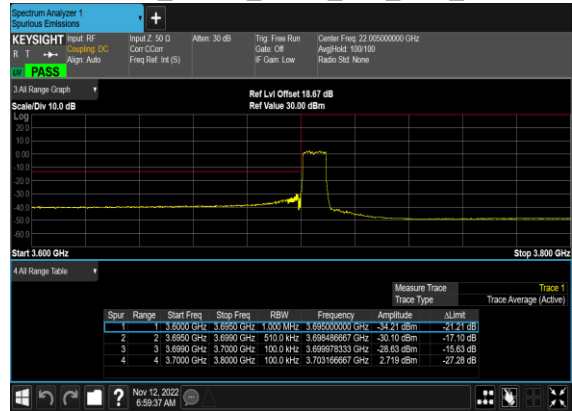
Conducted Band Edge

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

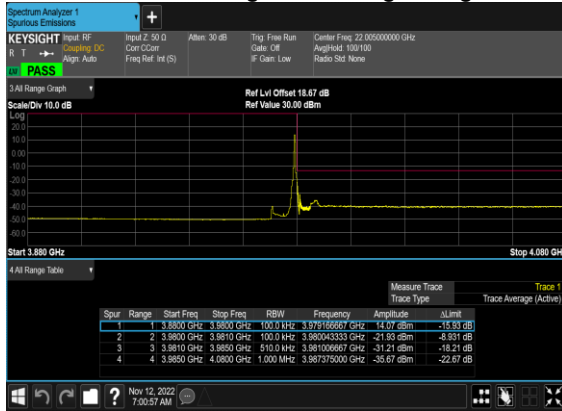
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



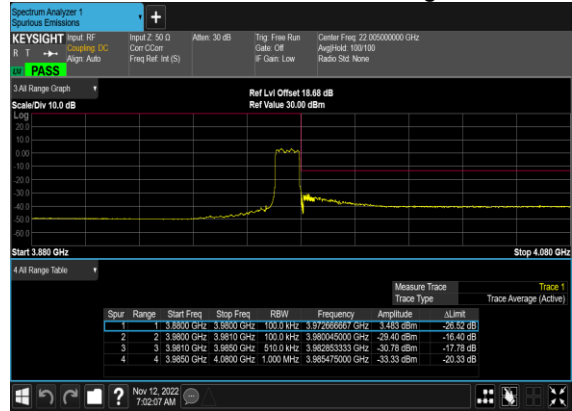
N77(10M)_CP-OFDM_QPSK_Outer_Full_Low_CH



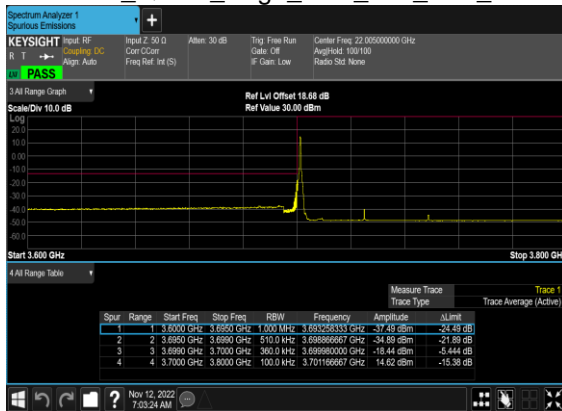
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH



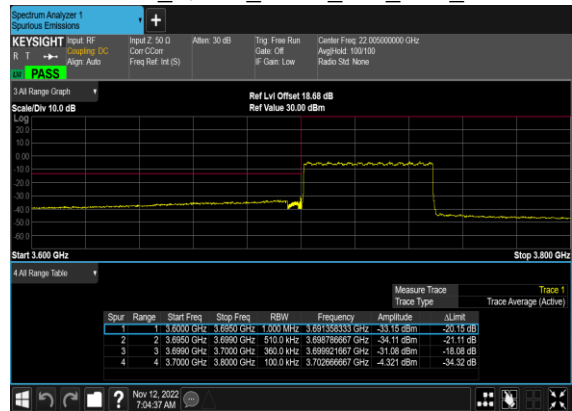
N77(10M)_CP-OFDM_QPSK_Outer_Full_High_CH



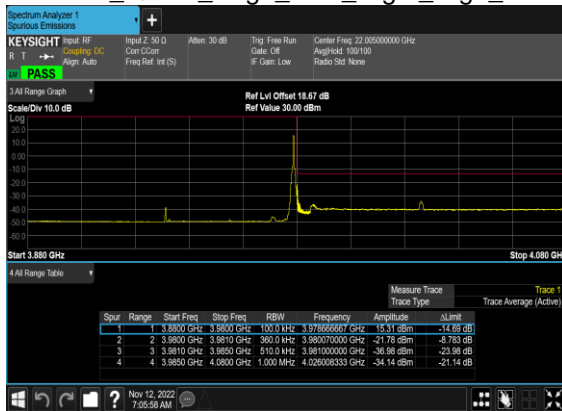
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



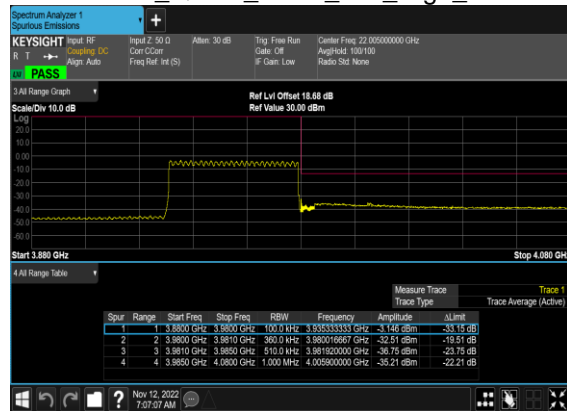
N77(50M)_CP-OFDM_QPSK_Outer_Full_Low_CH



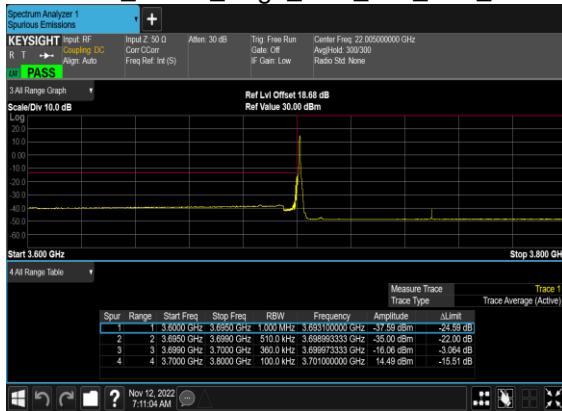
N77(50M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH



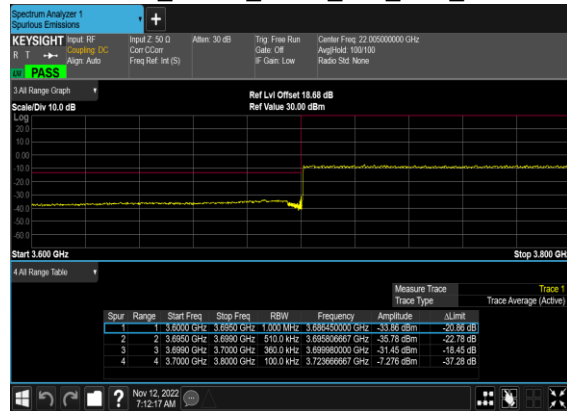
N77(50M)_CP- OFDM_QPSK_Outer_Full_High_CH



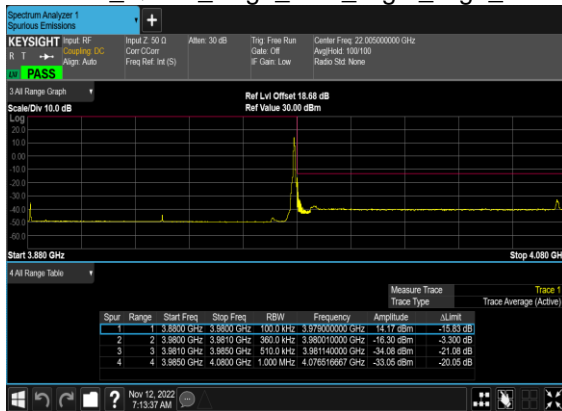
N77(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



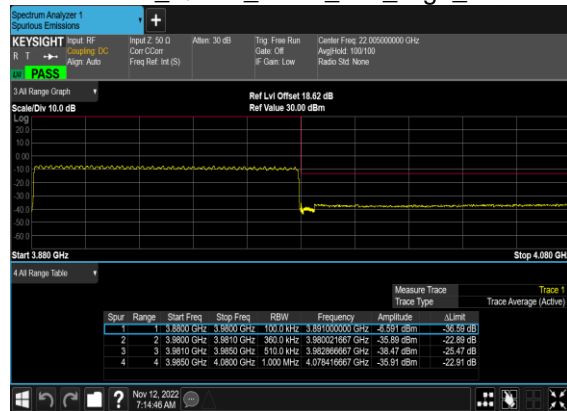
N77(100M)_CP- OFDM_QPSK_Outer_Full_Low_CH



N77(100M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH



N77(100M)_CP- OFDM_QPSK_Outer_Full_High_CH



FR1 N78(ANT6)

Transmitter Conducted Output Power and EIRP, (G_T - L_C)=-2dBi

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	24.79	22.79	0.1901
78	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	23.87	21.87	0.1538
78	30	10	650000	3750	DFT-s-OFDM QPSK	1@1	24.7	22.7	0.1862
78	30	10	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.85	21.85	0.1531
78	30	10	653000	3795	DFT-s-OFDM QPSK	1@1	24.77	22.77	0.1892
78	30	10	653000	3795	DFT-s-OFDM 16 QAM	1@1	23.76	21.76	0.1500
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	24.88	22.88	0.1941
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	23.98	21.98	0.1578
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	24.91	22.91	0.1954
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.92	21.92	0.1556
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	24.86	22.86	0.1932
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	23.91	21.91	0.1552
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	24.97	22.97	0.1982
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	24.14	22.14	0.1637
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	24.96	22.96	0.1977
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.96	21.96	0.1570
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	24.89	22.89	0.1945
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	23.9	21.9	0.1549
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	24.92	22.92	0.1959
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	24.25	22.25	0.1679
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	24.92	22.92	0.1959
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.13	22.13	0.1633
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	24.9	22.9	0.1950
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	23.92	21.92	0.1556
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	24.83	22.83	0.1919
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	23.92	21.92	0.1556
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	24.74	22.74	0.1879
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.76	21.76	0.1500
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	24.65	22.65	0.1841
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	23.74	21.74	0.1493
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	24.7	22.7	0.1862
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	23.79	21.79	0.1510
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	24.69	22.69	0.1858
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.7	21.7	0.1479

78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	24.62	22.62	0.1828
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	23.75	21.75	0.1496
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	24.65	22.65	0.1841
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	23.72	21.72	0.1486
78	30	70	650000	3769.98	DFT-s-OFDM QPSK	1@1	23.65	21.65	0.1462
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	22.65	20.65	0.1161
78	30	70	651000	3769.98	DFT-s-OFDM QPSK	1@1	23.69	21.69	0.1476
78	30	70	651000	3769.98	DFT-s-OFDM 16 QAM	1@1	22.67	20.67	0.1167
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	24.67	22.67	0.1849
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	23.77	21.77	0.1503
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@1	24.61	22.61	0.1824
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.63	21.63	0.1455
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	24.56	22.56	0.1803
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	23.65	21.65	0.1462
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	24.68	22.68	0.1854
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	23.77	21.77	0.1503
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	24.66	22.66	0.1845
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.75	21.75	0.1496
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	24.65	22.65	0.1841
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	23.73	21.73	0.1489
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	24.55	22.55	0.1799
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24.62	22.62	0.1828
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	24.62	22.62	0.1828
78	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	24.6	22.6	0.1820
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	24.99	22.99	0.1991
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	24.55	22.55	0.1799
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	23.62	21.62	0.1452
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.65	21.65	0.1462
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	24.35	22.35	0.1718
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	22.09	20.09	0.1021
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	22.11	20.11	0.1026
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	22.06	20.06	0.1014
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	20.09	18.09	0.0644
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	19.99	17.99	0.0630
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	19.93	17.93	0.0621
78	30	100	650000	3750	CP-OFDM QPSK	137@68	23.1	21.1	0.1288
78	30	100	650000	3750	CP-OFDM QPSK	1@1	23.05	21.05	0.1274
78	30	100	650000	3750	CP-OFDM QPSK	1@271	23.02	21.02	0.1265

FR1 N78 MIMO-ANT6+10

Transmitter Conducted Output Power and EIRP, (G_T - L_C)=-2dBi

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	ANT6 Power (dBm)	ANT10 Power (dBm)	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
78	30	10	647000	3705	CP-OFDM QPSK	1@1	19.89	18.35	22.20	20.20	0.1047
78	30	10	647000	3705	CP-OFDM 16 QAM	1@1	19.3	17.97	21.70	19.70	0.0933
78	30	10	650000	3750	CP-OFDM QPSK	1@1	19.87	18.82	22.39	20.39	0.1094
78	30	10	650000	3750	CP-OFDM 16 QAM	1@1	19.26	18.47	21.89	19.89	0.0975
78	30	10	653000	3795	CP-OFDM QPSK	1@1	19.7	19	22.37	20.37	0.1089
78	30	10	653000	3795	CP-OFDM 16 QAM	1@1	19.09	18.62	21.87	19.87	0.0971
78	30	20	647334	3710.01	CP-OFDM QPSK	1@1	20.01	18.49	22.33	20.33	0.1079
78	30	20	647334	3710.01	CP-OFDM 16 QAM	1@1	19.41	18.15	21.84	19.84	0.0964
78	30	20	650000	3750	CP-OFDM QPSK	1@1	20	19.05	22.56	20.56	0.1138
78	30	20	650000	3750	CP-OFDM 16 QAM	1@1	19.36	18.61	22.01	20.01	0.1002
78	30	20	652666	3789.99	CP-OFDM QPSK	1@1	19.96	19.15	22.58	20.58	0.1143
78	30	20	652666	3789.99	CP-OFDM 16 QAM	1@1	19.3	18.78	22.06	20.06	0.1014
78	30	30	647668	3715.02	CP-OFDM QPSK	1@1	20.16	18.64	22.48	20.48	0.1117
78	30	30	647668	3715.02	CP-OFDM 16 QAM	1@1	19.57	18.16	21.93	19.93	0.0984
78	30	30	650000	3750	CP-OFDM QPSK	1@1	20.14	19.05	22.64	20.64	0.1159
78	30	30	650000	3750	CP-OFDM 16 QAM	1@1	19.55	18.59	22.11	20.11	0.1026
78	30	30	652332	3784.98	CP-OFDM QPSK	1@1	20.09	19.13	22.65	20.65	0.1161
78	30	30	652332	3784.98	CP-OFDM 16 QAM	1@1	19.59	18.67	22.16	20.16	0.1038
78	30	40	648000	3720	CP-OFDM QPSK	1@1	20.25	18.69	22.55	20.55	0.1135
78	30	40	648000	3720	CP-OFDM 16 QAM	1@1	19.62	18.26	22.00	20.00	0.1000
78	30	40	650000	3750	CP-OFDM QPSK	1@1	20.2	19.04	22.67	20.67	0.1167
78	30	40	650000	3750	CP-OFDM 16 QAM	1@1	19.68	18.6	22.18	20.18	0.1042
78	30	40	652000	3780	CP-OFDM QPSK	1@1	20.25	19.02	22.69	20.69	0.1172
78	30	40	652000	3780	CP-OFDM 16 QAM	1@1	19.61	18.73	22.20	20.20	0.1047
78	30	50	648334	3725.01	CP-OFDM QPSK	1@1	19.75	18.4	22.14	20.14	0.1033
78	30	50	648334	3725.01	CP-OFDM 16 QAM	1@1	19.23	17.98	21.66	19.66	0.0925
78	30	50	650000	3750	CP-OFDM QPSK	1@1	19.75	18.61	22.23	20.23	0.1054
78	30	50	650000	3750	CP-OFDM 16 QAM	1@1	19.1	18.23	21.70	19.70	0.0933
78	30	50	651666	3774.99	CP-OFDM QPSK	1@1	19.75	18.83	22.32	20.32	0.1076
78	30	50	651666	3774.99	CP-OFDM 16 QAM	1@1	19.21	18.37	21.82	19.82	0.0959
78	30	60	648668	3730.02	CP-OFDM QPSK	1@1	19.67	18.33	22.06	20.06	0.1014
78	30	60	648668	3730.02	CP-OFDM 16 QAM	1@1	19.09	17.89	21.54	19.54	0.0899
78	30	60	650000	3750	CP-OFDM QPSK	1@1	19.72	18.5	22.16	20.16	0.1038
78	30	60	650000	3750	CP-OFDM 16 QAM	1@1	19.1	18.05	21.62	19.62	0.0916

78	30	60	651332	3769.98	CP-OFDM QPSK	1@1	19.75	18.73	22.28	20.28	0.1067
78	30	60	651332	3769.98	CP-OFDM 16 QAM	1@1	19.08	18.33	21.73	19.73	0.0940
78	30	70	649000	3735	CP-OFDM QPSK	1@1	18.51	17.35	20.98	18.98	0.0791
78	30	70	649000	3735	CP-OFDM 16 QAM	1@1	17.93	16.77	20.40	18.40	0.0692
78	30	70	650000	3750	CP-OFDM QPSK	1@1	18.43	17.45	20.98	18.98	0.0791
78	30	70	650000	3750	CP-OFDM 16 QAM	1@1	17.83	16.94	20.42	18.42	0.0695
78	30	70	651000	3765	CP-OFDM QPSK	1@1	18.45	17.58	21.05	19.05	0.0804
78	30	70	651000	3765	CP-OFDM 16 QAM	1@1	17.92	17.07	20.53	18.53	0.0713
78	30	80	649334	3740.01	CP-OFDM QPSK	1@1	19.66	18.21	22.01	20.01	0.1002
78	30	80	649334	3740.01	CP-OFDM 16 QAM	1@1	19.04	17.81	21.48	19.48	0.0887
78	30	80	650000	3750	CP-OFDM QPSK	1@1	19.66	18.23	22.01	20.01	0.1002
78	30	80	650000	3750	CP-OFDM 16 QAM	1@1	19.05	17.78	21.47	19.47	0.0885
78	30	80	650666	3759.99	CP-OFDM QPSK	1@1	19.63	18.33	22.04	20.04	0.1009
78	30	80	650666	3759.99	CP-OFDM 16 QAM	1@1	19.02	17.95	21.53	19.53	0.0897
78	30	90	649668	3745.02	CP-OFDM QPSK	1@1	19.73	18.27	22.07	20.07	0.1016
78	30	90	649668	3745.02	CP-OFDM 16 QAM	1@1	19.14	17.73	21.50	19.50	0.0891
78	30	90	650000	3750	CP-OFDM QPSK	1@1	19.65	18.26	22.02	20.02	0.1005
78	30	90	650000	3750	CP-OFDM 16 QAM	1@1	19.09	17.74	21.48	19.48	0.0887
78	30	90	650332	3754.98	CP-OFDM QPSK	1@1	19.63	18.16	21.97	19.97	0.0993
78	30	90	650332	3754.98	CP-OFDM 16 QAM	1@1	19.05	17.8	21.48	19.48	0.0887
78	30	100	650000	3750	CP-OFDM QPSK	137@68	20.25	19.22	22.78	20.78	0.1197
78	30	100	650000	3750	CP-OFDM QPSK	1@1	20.22	18.68	22.53	20.53	0.1130
78	30	100	650000	3750	CP-OFDM QPSK	1@271	19.97	19.45	22.73	20.73	0.1183
78	30	100	650000	3750	CP-OFDM 16 QAM	137@68	19.35	18.2	21.82	19.82	0.0959
78	30	100	650000	3750	CP-OFDM 16 QAM	1@1	19.05	17.76	21.46	19.46	0.0883
78	30	100	650000	3750	CP-OFDM 16 QAM	1@271	18.89	18.58	21.75	19.75	0.0944
78	30	100	650000	3750	CP-OFDM 64 QAM	137@68	17.79	16.77	20.32	18.32	0.0679
78	30	100	650000	3750	CP-OFDM 64 QAM	1@1	17.72	16.31	20.08	18.08	0.0643
78	30	100	650000	3750	CP-OFDM 64 QAM	1@271	17.53	17.16	20.36	18.36	0.0685
78	30	100	650000	3750	CP-OFDM 256 QAM	137@68	15.03	14.01	17.56	15.56	0.0360
78	30	100	650000	3750	CP-OFDM 256 QAM	1@1	15.09	13.48	17.37	15.37	0.0344
78	30	100	650000	3750	CP-OFDM 256 QAM	1@271	14.68	14.23	17.47	15.47	0.0352



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Zhaohui Liang	Temperature :	22~25°C
		Relative Humidity :	48~52%

Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test and record in the report.

SA n7 / NR 40MHz / QPSK / ANT7									
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 n7 Lowest	5012.00	-57.15	-25	-32.15	-80.01	-62.71	7.12	12.68	H
	7518.00	-52.60	-25	-27.60	-78.93	-55.93	8.26	11.59	H
	10024.00	-53.30	-25	-28.30	-83.35	-54.83	10.45	11.98	H
	5012.00	-55.56	-25	-30.56	-79.98	-61.12	7.12	12.68	V
	7518.00	-51.06	-25	-26.06	-77.38	-54.39	8.26	11.59	V
	10024.00	-52.52	-25	-27.52	-83.27	-54.05	10.45	11.98	V
NR n7 Middle	5030.00	-55.02	-25	-30.02	-78.00	-60.58	7.14	12.70	H
	7545.00	-52.30	-25	-27.30	-78.51	-55.60	8.30	11.60	H
	10060.00	-53.33	-25	-28.33	-83.45	-54.85	10.48	12.00	H
	5030.00	-52.03	-25	-27.03	-76.46	-57.59	7.14	12.70	V
	7545.00	-50.35	-25	-25.35	-76.55	-53.65	8.30	11.60	V
	10060.00	-52.26	-25	-27.26	-83.19	-53.78	10.48	12.00	V
NR n7 Highest	5052.00	-56.77	-25	-31.77	-79.87	-62.33	7.16	12.72	H
	7578.00	-49.76	-25	-24.76	-75.84	-53.06	8.33	11.63	H
	10104.00	-52.83	-25	-27.83	-83.03	-54.43	10.50	12.10	H
	5052.00	-56.11	-25	-31.11	-80.54	-61.67	7.16	12.72	V
	7578.00	-49.61	-25	-24.61	-75.69	-52.91	8.33	11.63	V
	10104.00	-51.82	-25	-26.82	-83	-53.42	10.50	12.10	V

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



EN-DC_66A_n7A / LTE 20MHz + NR 40MHz / QPSK / ANT6 (LTE) & ANT5(NR)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n7 Lowest	5012.00	-58.73	-25	-33.73	-81.59	-64.29	7.12	12.68	H
	7518.00	-55.22	-25	-30.22	-81.55	-58.55	8.26	11.59	H
	10024.00	-53.13	-25	-28.13	-83.18	-54.66	10.45	11.98	H
	5012.00	-56.86	-25	-31.86	-81.28	-62.42	7.12	12.68	V
	7518.00	-55.32	-25	-30.32	-81.64	-58.65	8.26	11.59	V
	10024.00	-52.99	-25	-27.99	-83.74	-54.52	10.45	11.98	V
LTE Band66 Lowest	3472	-58.85	-13	-45.85	-80.80	-65.73	5.60	12.48	H
	5208	-45.40	-13	-32.40	-69.62	-51.08	7.10	12.78	H
	6944	-55.59	-13	-42.59	-81.30	-58.98	8.38	11.77	H
	3472	-58.61	-13	-45.61	-80.36	-65.49	5.60	12.48	V
	5208	-56.22	-13	-43.22	-80.61	-61.90	7.10	12.78	V
	6944	-54.56	-13	-41.56	-81	-57.95	8.38	11.77	V
NR n7 Middle	5030.00	-58.47	-25	-33.47	-81.45	-64.03	7.14	12.70	H
	7545.00	-55.49	-25	-30.49	-81.70	-58.79	8.30	11.60	H
	10060.00	-53.85	-25	-28.85	-83.97	-55.37	10.48	12.00	H
	5030.00	-57.03	-25	-32.03	-81.46	-62.59	7.14	12.70	V
	7545.00	-55.14	-25	-30.14	-81.34	-58.44	8.30	11.60	V
	10060.00	-52.75	-25	-27.75	-83.68	-54.27	10.48	12.00	V
LTE Band66 Middle	3472	-56.74	-13	-43.74	-78.69	-63.59	5.65	12.50	H
	5208	-43.20	-13	-30.20	-67.42	-48.87	7.13	12.80	H
	6944	-55.05	-13	-42.05	-80.76	-58.45	8.40	11.80	H
	3472	-57.58	-13	-44.58	-79.33	-64.43	5.65	12.50	V
	5208	-49.98	-13	-36.98	-74.37	-55.65	7.13	12.80	V
	6944	-54.99	-13	-41.99	-81.43	-58.39	8.40	11.80	V
NR n7 Highest	5052.00	-58.15	-25	-33.15	-81.25	-63.71	7.16	12.72	H
	7578.00	-55.96	-25	-30.96	-82.04	-59.26	8.33	11.63	H
	10104.00	-53.04	-25	-28.04	-83.24	-54.64	10.50	12.10	H
	5052.00	-56.98	-25	-31.98	-81.41	-62.54	7.16	12.72	V
	7578.00	-55.90	-25	-30.90	-81.98	-59.20	8.33	11.63	V
	10104.00	-52.00	-25	-27.00	-83.18	-53.60	10.50	12.10	V
LTE Band66 Highest	3472	-59.09	-13	-46.09	-81.04	-65.93	5.68	12.52	H
	5208	-46.63	-13	-33.63	-70.85	-52.30	7.15	12.82	H
	6944	-55.43	-13	-42.43	-81.14	-58.86	8.42	11.85	H
	3472	-58.76	-13	-45.76	-80.51	-65.60	5.68	12.52	V
	5208	-56.72	-13	-43.72	-81.11	-62.39	7.15	12.82	V
	6944	-53.89	-13	-40.89	-80.33	-57.32	8.42	11.85	V

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



SA n41 / NR 100MHz / QPSK / ANT5									
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 n41 Lowest	4994.80	-58.23	-25	-33.23	-80.98	-63.79	7.12	12.68	H
	7492.20	-49.28	-25	-24.28	-75.68	-52.61	8.26	11.59	H
	9989.60	-53.58	-25	-28.58	-83.57	-55.11	10.45	11.98	H
	4994.80	-56.91	-25	-31.91	-81.34	-62.47	7.12	12.68	V
	7492.20	-49.75	-25	-24.75	-76.14	-53.08	8.26	11.59	V
	9989.60	-52.95	-25	-27.95	-83.52	-54.48	10.45	11.98	V
NR n41 Middle	5089.00	-55.97	-25	-30.97	-79.42	-61.53	7.14	12.70	H
	7633.50	-44.19	-25	-19.19	-70.11	-47.49	8.30	11.60	H
	10178.00	-52.48	-25	-27.48	-82.80	-54.00	10.48	12.00	H
	5089.00	-56.57	-25	-31.57	-81	-62.13	7.14	12.70	V
	7633.50	-48.60	-25	-23.60	-75.2	-51.90	8.30	11.60	V
	10178.00	-51.08	-25	-26.08	-82.62	-52.60	10.48	12.00	V
NR n41 Highest	5182.80	-55.42	-25	-30.42	-79.46	-60.98	7.16	12.72	H
	7774.20	-44.20	-25	-19.20	-69.72	-47.50	8.33	11.63	H
	10365.60	-52.34	-25	-27.34	-82.99	-53.94	10.50	12.10	H
	5182.80	-53.30	-25	-28.30	-77.73	-58.86	7.16	12.72	V
	7774.20	-45.78	-25	-20.78	-74.73	-49.08	8.33	11.63	V
	10365.60	-50.54	-25	-25.54	-83.05	-52.14	10.50	12.10	V

n41_UL MIMO / NR 10MHz / QPSK / ANT4+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 n41 Lowest	4994.80	-59.04	-25	-34.04	-81.79	-64.60	7.12	12.68	H
	7492.20	-55.47	-25	-30.47	-81.87	-58.80	8.26	11.59	H
	9989.60	-53.73	-25	-28.73	-83.72	-55.26	10.45	11.98	H
	4994.80	-57.17	-25	-32.17	-81.6	-62.73	7.12	12.68	V
	7492.20	-55.55	-25	-30.55	-81.94	-58.88	8.26	11.59	V
	9989.60	-52.85	-25	-27.85	-83.42	-54.38	10.45	11.98	V
NR n41 Middle	5089.00	-57.83	-25	-32.83	-81.28	-63.39	7.14	12.70	H
	7633.50	-56.01	-25	-31.01	-81.93	-59.31	8.30	11.60	H
	10178.00	-52.81	-25	-27.81	-83.13	-54.33	10.48	12.00	H
	5089.00	-56.86	-25	-31.86	-81.29	-62.42	7.14	12.70	V
	7633.50	-55.01	-25	-30.01	-81.61	-58.31	8.30	11.60	V
	10178.00	-51.65	-25	-26.65	-83.19	-53.17	10.48	12.00	V
NR n41 Highest	5182.80	-57.45	-25	-32.45	-81.49	-63.01	7.16	12.72	H
	7774.20	-56.00	-25	-31.00	-81.52	-59.30	8.33	11.63	H
	10365.60	-52.78	-25	-27.78	-83.43	-54.38	10.50	12.10	H
	5182.80	-57.18	-25	-32.18	-81.61	-62.74	7.16	12.72	V
	7774.20	-51.99	-25	-26.99	-80.94	-55.29	8.33	11.63	V
	10365.60	-50.76	-25	-25.76	-83.27	-52.36	10.50	12.10	V

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



EN-DC_66A_n41A / LTE 20MHz + NR 100MHz / QPSK / ANT6 (LTE) & ANT5(NR)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n41 Lowest	4994.80	-59.06	-25	-34.06	-81.81	-64.62	7.12	12.68	H
	7492.20	-55.15	-25	-30.15	-81.55	-58.48	8.26	11.59	H
	9989.60	-54.05	-25	-29.05	-84.04	-55.58	10.45	11.98	H
	4994.80	-57.58	-25	-32.58	-82.01	-63.14	7.12	12.68	V
	7492.20	-55.30	-25	-30.30	-81.69	-58.63	8.26	11.59	V
	9989.60	-53.45	-25	-28.45	-84.02	-54.98	10.45	11.98	V
LTE Band66 Lowest	3472	-55.99	-13	-42.99	-77.94	-62.87	5.60	12.48	H
	5208	-44.81	-13	-31.81	-69.03	-50.49	7.10	12.78	H
	6944	-55.48	-13	-42.48	-81.19	-58.87	8.38	11.77	H
	3472	-57.74	-13	-44.74	-79.49	-64.62	5.60	12.48	V
	5208	-55.99	-13	-42.99	-80.38	-61.67	7.10	12.78	V
	6944	-54.74	-13	-41.74	-81.18	-58.13	8.38	11.77	V
NR n41 Middle	5089.00	-57.70	-25	-32.70	-81.15	-63.26	7.14	12.70	H
	7633.50	-55.79	-25	-30.79	-81.71	-59.09	8.30	11.60	H
	10178.00	-53.13	-25	-28.13	-83.45	-54.65	10.48	12.00	H
	5089.00	-56.69	-25	-31.69	-81.12	-62.25	7.14	12.70	V
	7633.50	-54.91	-25	-29.91	-81.51	-58.21	8.30	11.60	V
	10178.00	-51.85	-25	-26.85	-83.39	-53.37	10.48	12.00	V
LTE Band66 Middle	3472	-52.02	-13	-39.02	-73.97	-58.87	5.65	12.50	H
	5208	-44.91	-13	-31.91	-69.13	-50.58	7.13	12.80	H
	6944	-55.61	-13	-42.61	-81.32	-59.01	8.40	11.80	H
	3472	-57.91	-13	-44.91	-79.66	-64.76	5.65	12.50	V
	5208	-56.07	-13	-43.07	-80.46	-61.74	7.13	12.80	V
	6944	-54.61	-13	-41.61	-81.05	-58.01	8.40	11.80	V
NR n41 Highest	5182.80	-57.16	-25	-32.16	-81.20	-62.72	7.16	12.72	H
	7774.20	-56.13	-25	-31.13	-81.65	-59.43	8.33	11.63	H
	10365.60	-52.68	-25	-27.68	-83.33	-54.28	10.50	12.10	H
	5182.80	-57.22	-25	-32.22	-81.65	-62.78	7.16	12.72	V
	7774.20	-52.01	-25	-27.01	-80.96	-55.31	8.33	11.63	V
	10365.60	-50.83	-25	-25.83	-83.34	-52.43	10.50	12.10	V
LTE Band66 Highest	3472	-58.80	-13	-45.80	-80.75	-65.64	5.68	12.52	H
	5208	-45.06	-13	-32.06	-69.28	-50.73	7.15	12.82	H
	6944	-55.32	-13	-42.32	-81.03	-58.75	8.42	11.85	H
	3472	-58.43	-13	-45.43	-80.18	-65.27	5.68	12.52	V
	5208	-56.64	-13	-43.64	-81.03	-62.31	7.15	12.82	V
	6944	-54.47	-13	-41.47	-80.91	-57.90	8.42	11.85	V

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



SA n77 / NR 100MHz / QPSK / ANT7									
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 Lowest	7402.50	-38.20	-13	-25.20	-46.61	-41.53	8.25	11.58	H
	11103.75	-52.03	-13	-39.03	-65.87	-53.58	10.45	12.00	H
	14805.00	-53.81	-13	-40.81	-69.43	-55.52	11.74	13.45	H
	7402.50	-32.05	-13	-19.05	-40.43	-35.38	8.25	11.58	V
	11103.75	-42.33	-13	-29.33	-58.1	-43.88	10.45	12.00	V
	14805.00	-53.89	-13	-40.89	-69.79	-55.60	11.74	13.45	V
NR n77 Middle	7582.00	-35.86	-13	-22.86	-43.80	-39.16	8.30	11.60	H
	11373.00	-45.07	-13	-32.07	-59.03	-46.59	10.48	12.00	H
	15164.00	-47.86	-13	-34.86	-64.75	-49.56	11.80	13.50	H
	7582.00	-32.81	-13	-19.81	-40.75	-36.11	8.30	11.60	V
	11373.00	-38.80	-13	-25.80	-56.84	-40.32	10.48	12.00	V
	15164.00	-52.56	-13	-39.56	-69.44	-54.26	11.80	13.50	V
NR n77 Highest	7762.50	-31.87	-13	-18.87	-39.42	-35.17	8.32	11.62	H
	11643.75	-44.51	-13	-31.51	-59.13	-46.19	10.52	12.20	H
	15525.00	-48.13	-13	-35.13	-66.23	-49.83	11.85	13.55	H
	7762.50	-23.62	-13	-10.62	-34.6	-26.92	8.32	11.62	V
	11643.75	-39.28	-13	-26.28	-56.75	-40.96	10.52	12.20	V
	15525.00	-52.20	-13	-39.20	-68.66	-53.90	11.85	13.55	V

n77_UL_MIMO / NR 100MHz / QPSK / ANT13+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 Lowest	7402.20	-58.28	-13	-45.28	-66.69	-61.61	8.25	11.58	H
	11103.60	-55.39	-13	-42.39	-69.23	-56.94	10.45	12.00	H
	14804.80	-55.10	-13	-42.10	-70.72	-56.81	11.74	13.45	H
	7402.20	-58.16	-13	-45.16	-66.54	-61.49	8.25	11.58	V
	11103.60	-52.96	-13	-39.96	-68.73	-54.51	10.45	12.00	V
	14804.80	-54.78	-13	-41.78	-70.68	-56.49	11.74	13.45	V
NR n77 Middle	7582.00	-58.68	-13	-45.68	-66.62	-61.98	8.30	11.60	H
	11373.00	-55.26	-13	-42.26	-69.22	-56.78	10.48	12.00	H
	15164.00	-52.96	-13	-39.96	-69.85	-54.66	11.80	13.50	H
	7582.00	-58.35	-13	-45.35	-66.29	-61.65	8.30	11.60	V
	11373.00	-50.77	-13	-37.77	-68.81	-52.29	10.48	12.00	V
	15164.00	-53.02	-13	-40.02	-69.90	-54.72	11.80	13.50	V
NR n77 Highest	7762.40	-57.45	-13	-44.45	-65.00	-60.75	8.32	11.62	H
	11643.60	-54.53	-13	-41.53	-69.15	-56.21	10.52	12.20	H
	15524.80	-51.52	-13	-38.52	-69.62	-53.22	11.85	13.55	H
	7762.40	-54.51	-13	-41.51	-65.49	-57.81	8.32	11.62	V
	11643.60	-51.64	-13	-38.64	-69.11	-53.32	10.52	12.20	V
	15524.80	-52.78	-13	-39.78	-69.24	-54.48	11.85	13.55	V

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



EN-DC_30A_n77A / LTE 10MHz + NR 100MHz / QPSK / ANT7 (LTE) & ANT10(NR)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n77 Lowest	6602.60	-57.63	-13	-44.63	-64.71	-60.96	8.25	11.58	H
	9903.90	-57.33	-13	-44.33	-68.34	-58.88	10.45	12.00	H
	13205.20	-53.96	-13	-40.96	-70.22	-55.67	11.74	13.45	H
	6602.60	-55.75	-13	-42.75	-65.12	-59.08	8.25	11.58	V
	9903.90	-56.38	-13	-43.38	-68.32	-57.93	10.45	12.00	V
	13205.20	-55.81	-13	-42.81	-70.14	-57.52	11.74	13.45	V
LTE Band30 Lowest	4611.00	-60.49	-40	-20.49	-64.78	-66.74	6.45	12.70	H
	6916.50	-57.99	-40	-17.99	-64.61	-61.39	8.40	11.80	H
	9222.00	-59.87	-40	-19.87	-68.90	-62.22	9.65	12.00	H
	4611.00	-60.55	-40	-20.55	-64.97	-66.80	6.45	12.70	V
	6916.50	-57.73	-40	-17.73	-65.45	-61.13	8.40	11.80	V
	9222.00	-57.94	-40	-17.94	-69.2	-60.29	9.65	12.00	V
NR n77 Middle	7402.60	-57.84	-13	-44.84	-66.25	-61.14	8.30	11.60	H
	11103.90	-54.57	-13	-41.57	-68.41	-56.09	10.48	12.00	H
	14805.20	-54.30	-13	-41.30	-69.92	-56.00	11.80	13.50	H
	7402.60	-57.82	-13	-44.82	-66.2	-61.12	8.30	11.60	V
	11103.90	-52.38	-13	-39.38	-68.15	-53.90	10.48	12.00	V
	14805.20	-54.07	-13	-41.07	-69.97	-55.77	11.80	13.50	V
LTE Band30 Middle	4611.00	-60.53	-40	-20.53	-64.82	-66.78	6.45	12.70	H
	6916.50	-58.02	-40	-18.02	-64.64	-61.42	8.40	11.80	H
	9222.00	-60.06	-40	-20.06	-69.09	-62.41	9.65	12.00	H
	4611.00	-60.53	-40	-20.53	-64.95	-66.78	6.45	12.70	V
	6916.50	-58.13	-40	-18.13	-65.85	-61.53	8.40	11.80	V
	9222.00	-57.68	-40	-17.68	-68.94	-60.03	9.65	12.00	V
NR n77 Highest	8202.80	-58.60	-13	-45.60	-66.84	-61.90	8.32	11.62	H
	12304.20	-53.36	-13	-40.36	-69.52	-55.04	10.52	12.20	H
	16405.60	-49.86	-13	-36.86	-69.62	-51.56	11.85	13.55	H
	8202.80	-55.16	-13	-42.16	-66.55	-58.46	8.32	11.62	V
	12312.00	-52.13	-13	-39.13	-70.36	-53.81	10.52	12.20	V
	16416.00	-51.99	-13	-38.99	-70.74	-53.69	11.85	13.55	V
LTE Band30 Highest	4611.00	-59.89	-40	-19.89	-64.18	-66.14	6.45	12.70	H
	6916.50	-57.47	-40	-17.47	-64.09	-60.87	8.40	11.80	H
	9222.00	-59.76	-40	-19.76	-68.79	-62.11	9.65	12.00	H
	4611.00	-60.49	-40	-20.49	-64.91	-66.74	6.45	12.70	V
	6916.50	-57.94	-40	-17.94	-65.66	-61.34	8.40	11.80	V
	9222.00	-57.90	-40	-17.90	-69.16	-60.25	9.65	12.00	V

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