



N77(50M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



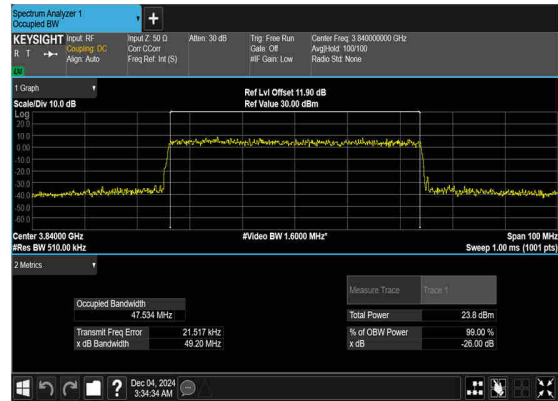
N77(50M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

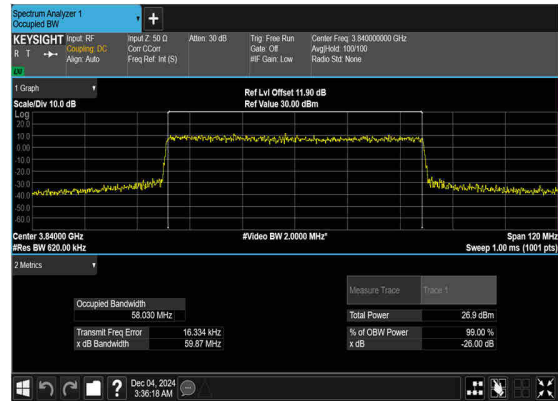




N77(60M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



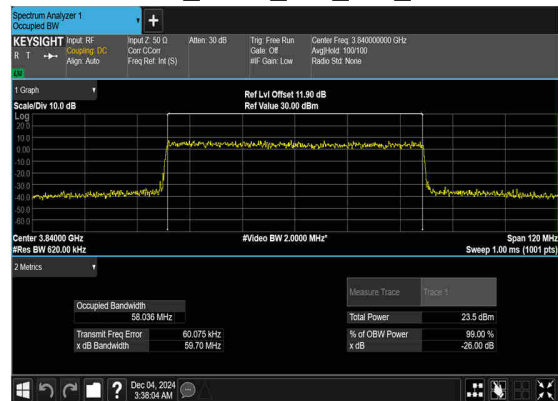
N77(60M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(60M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N77(60M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

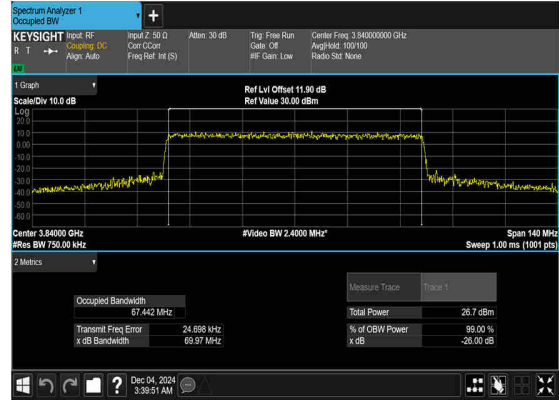




N77(70M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



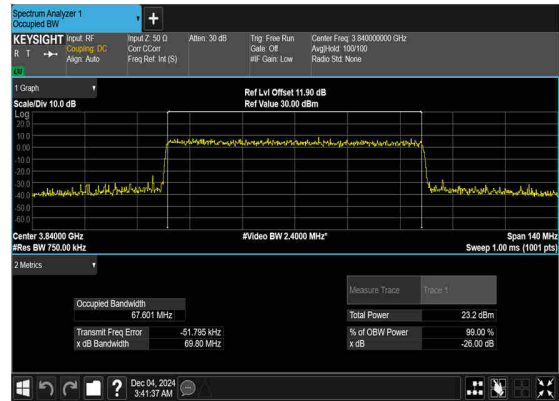
N77(70M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(70M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N77(70M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH





N77(80M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



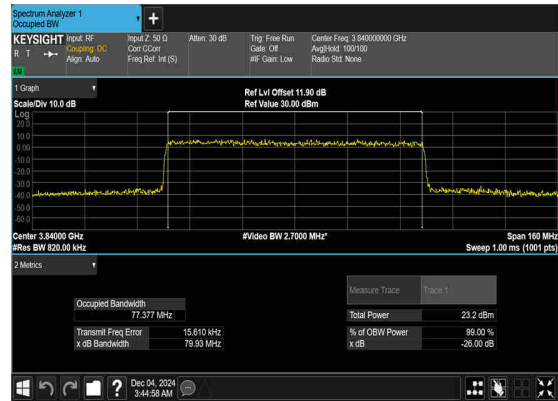
N77(80M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(80M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

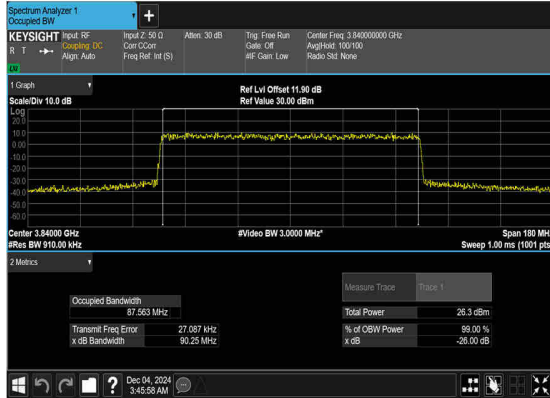


N77(80M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

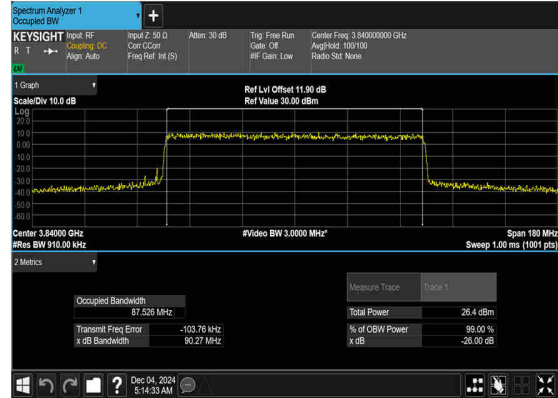




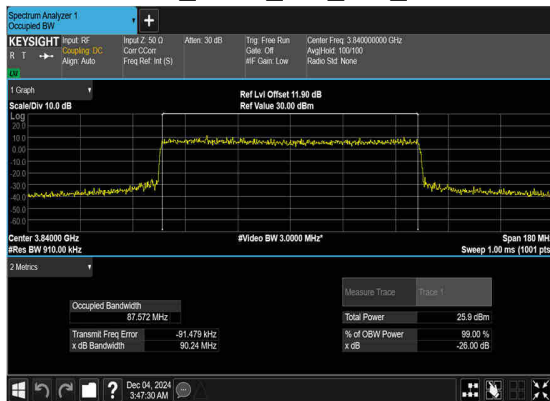
N77(90M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



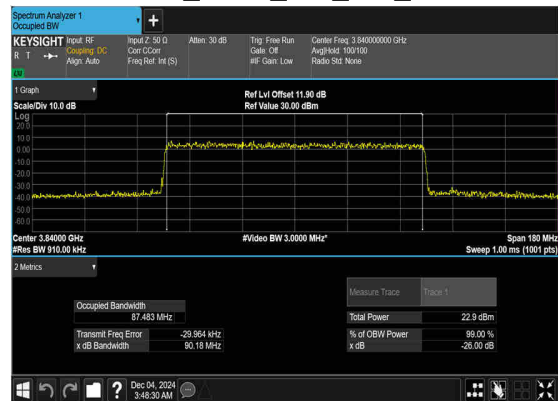
N77(90M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(90M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

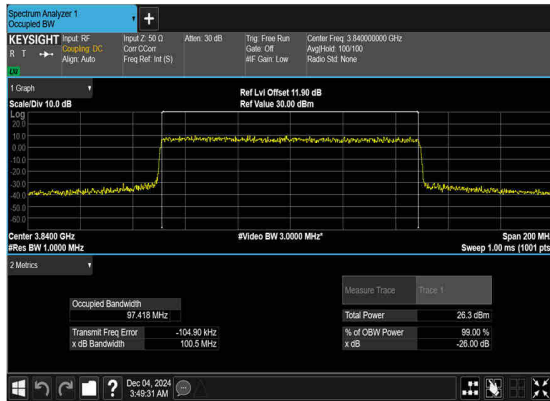


N77(90M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

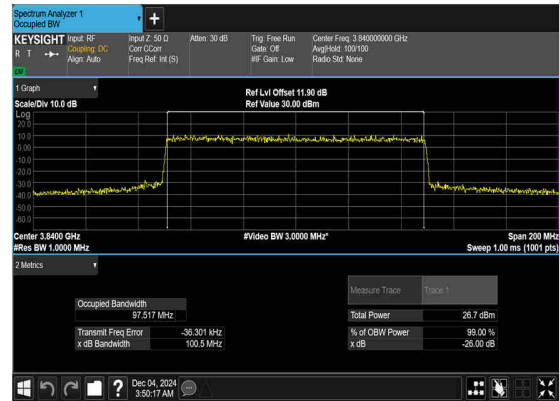




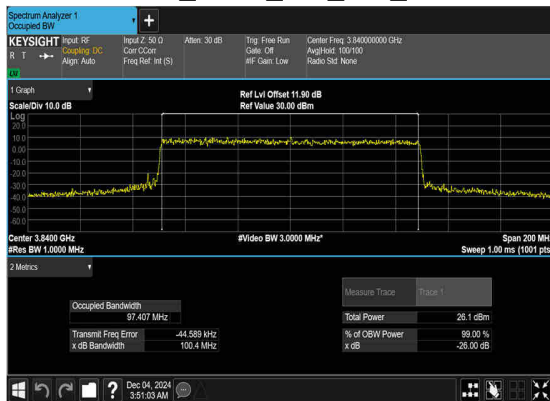
N77(100M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



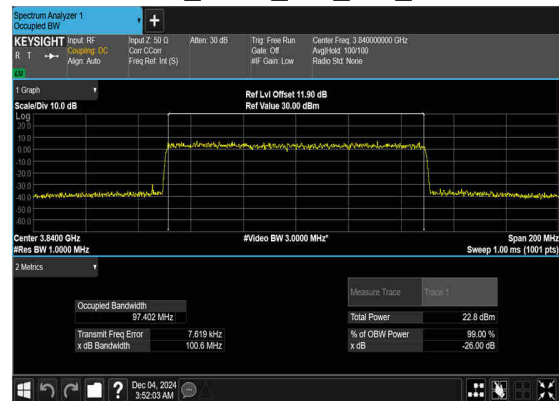
N77(100M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



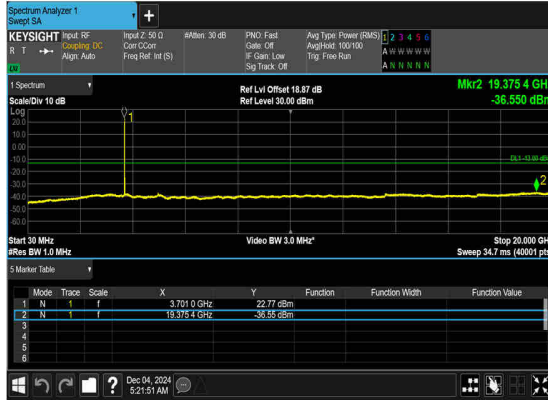


Conducted Spurious Emissions

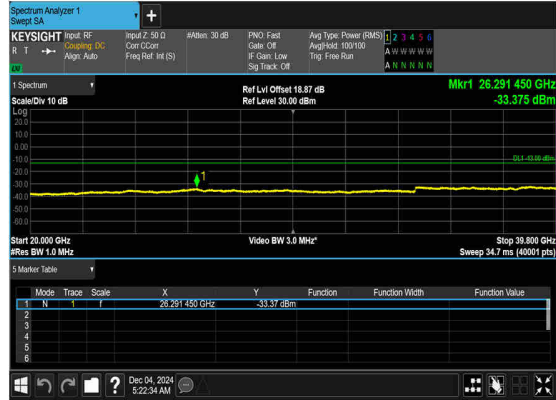
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	647334	3710.01	CP-OFDM QPSK	1@0	see graph	---
77	30	20	647334	3710.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	647334	3710.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	656000	3840.0	CP-OFDM QPSK	1@0	see graph	---
77	30	20	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	664666	3969.99	CP-OFDM QPSK	1@0	see graph	---
77	30	20	664666	3969.99	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	664666	3969.99	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	648668	3730.02	CP-OFDM QPSK	1@0	see graph	---
77	30	60	648668	3730.02	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	648668	3730.02	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	656000	3840.0	CP-OFDM QPSK	1@0	see graph	---
77	30	60	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	663332	3949.98	CP-OFDM QPSK	1@0	see graph	---
77	30	60	663332	3949.98	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	663332	3949.98	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



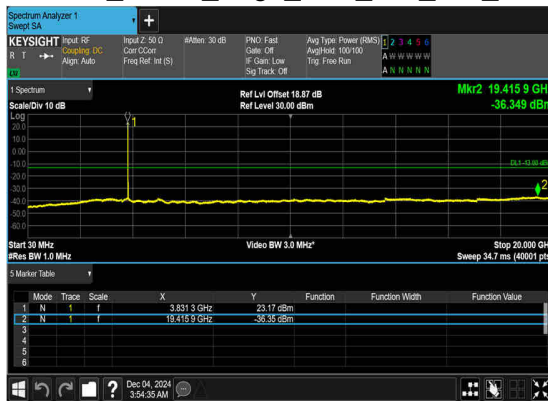
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



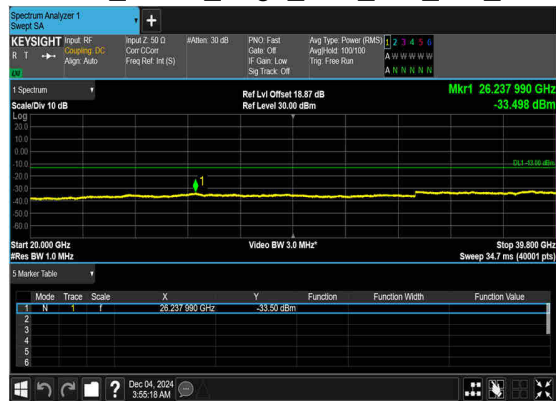
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

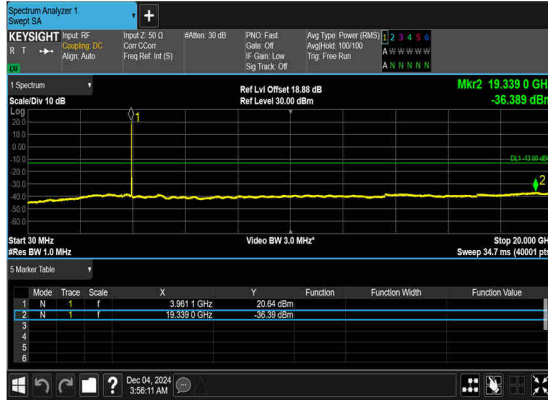


N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

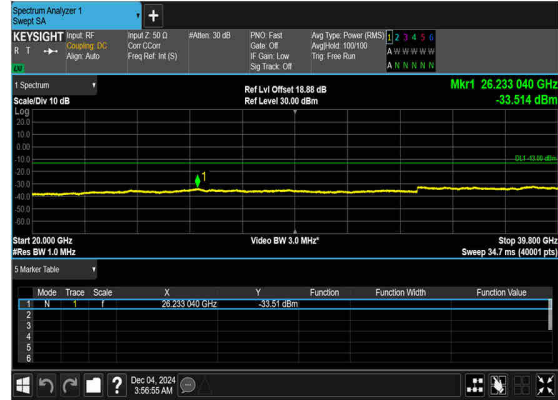




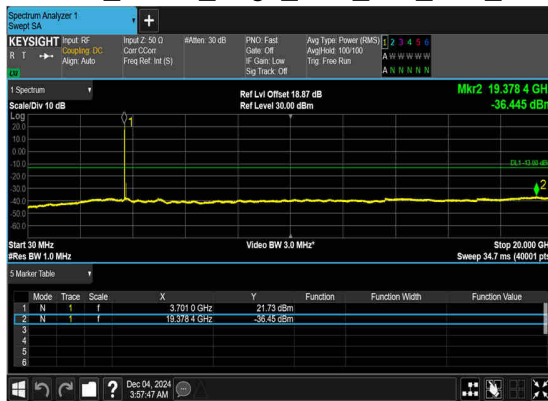
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



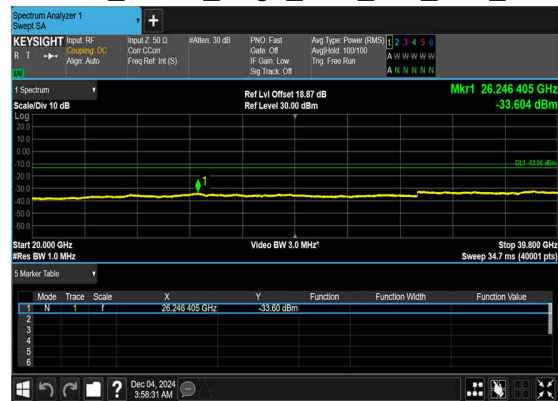
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH

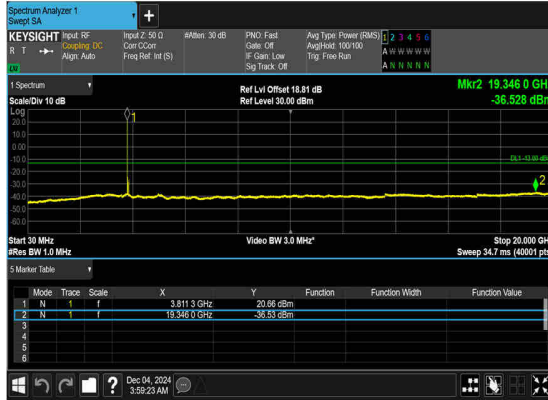


N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH

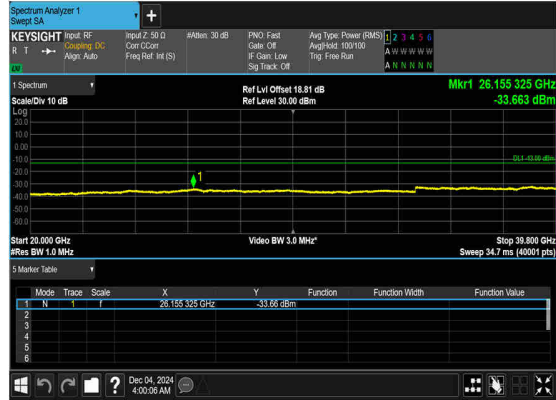




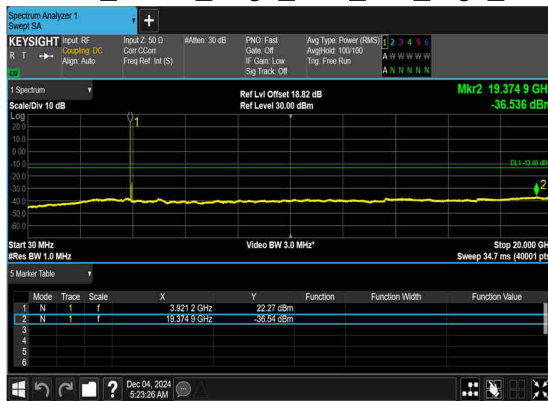
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



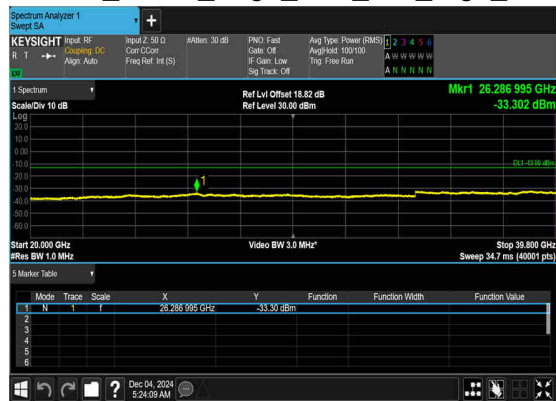
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

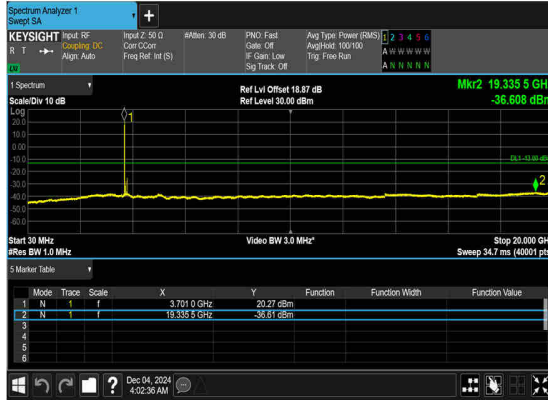


N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

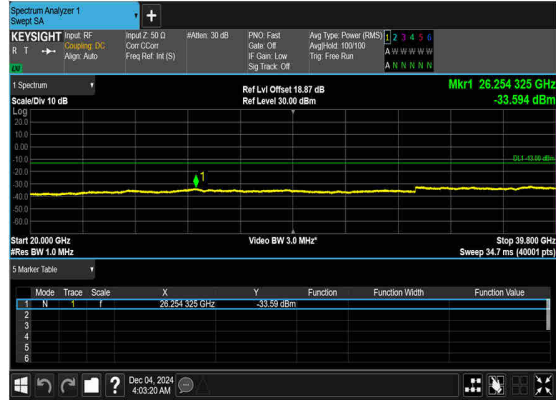




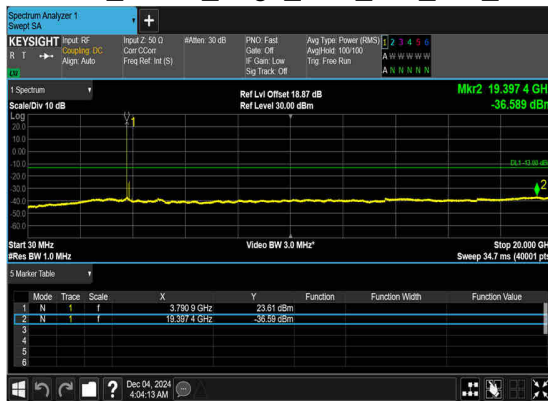
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



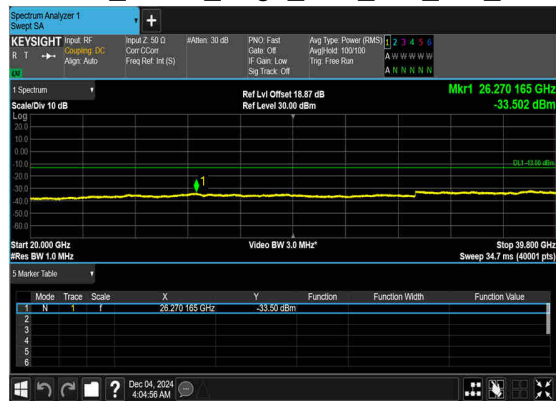
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

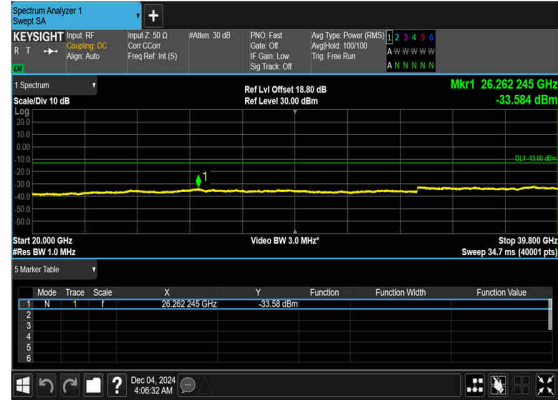




N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



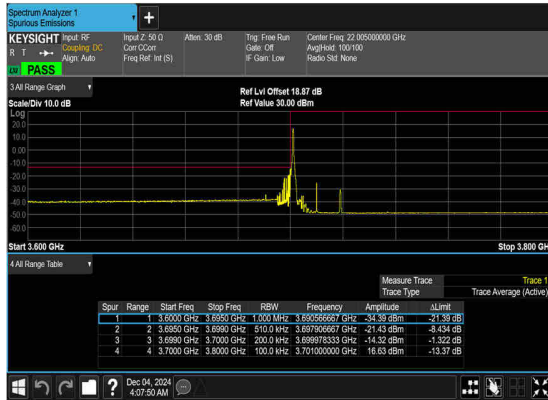


Conducted Band Edge

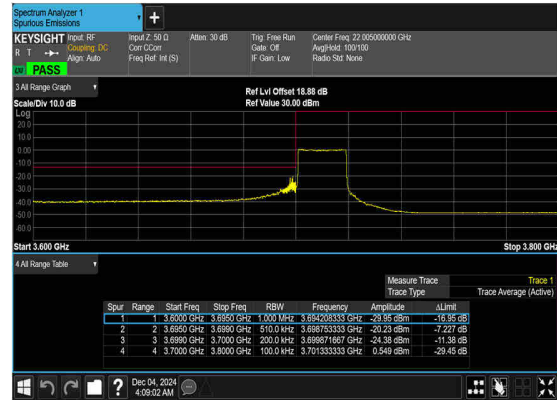
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	647334	3710.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	647334	3710.01	CP-OFDM QPSK	51@0	see graph	PASS
77	30	20	664666	3969.99	CP-OFDM QPSK	1@50	see graph	PASS
77	30	20	664666	3969.99	CP-OFDM QPSK	51@0	see graph	PASS
77	30	60	648668	3730.02	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	648668	3730.02	CP-OFDM QPSK	162@0	see graph	PASS
77	30	60	663332	3949.98	CP-OFDM QPSK	1@161	see graph	PASS
77	30	60	663332	3949.98	CP-OFDM QPSK	162@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



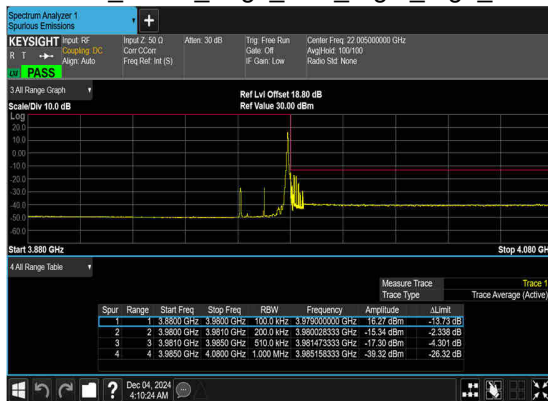
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



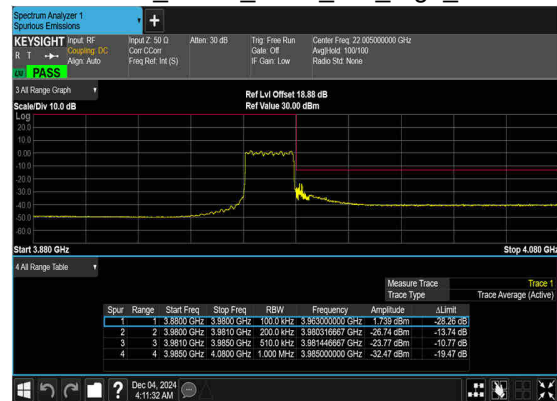
N77(20M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH

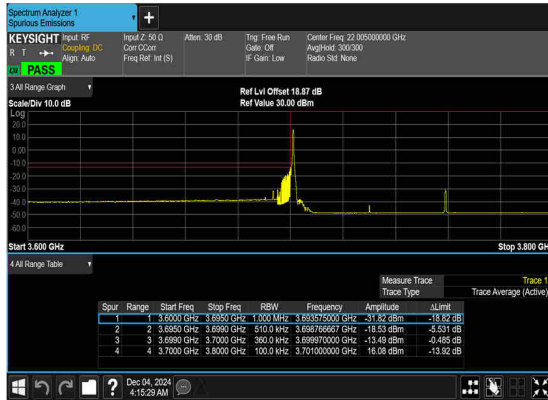


N77(20M)_CP-
OFDM_QPSK_Outer_Full_High_CH

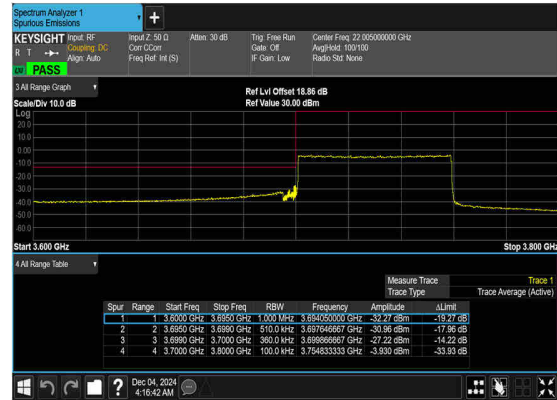




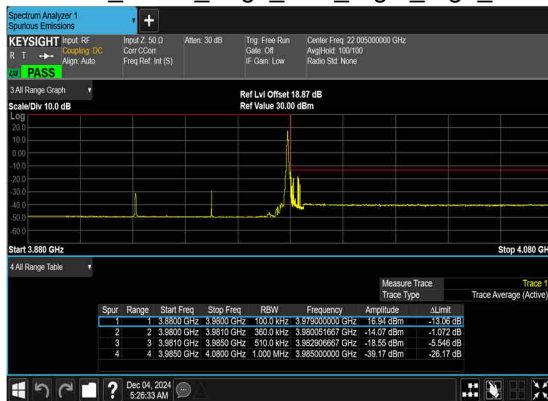
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(60M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH

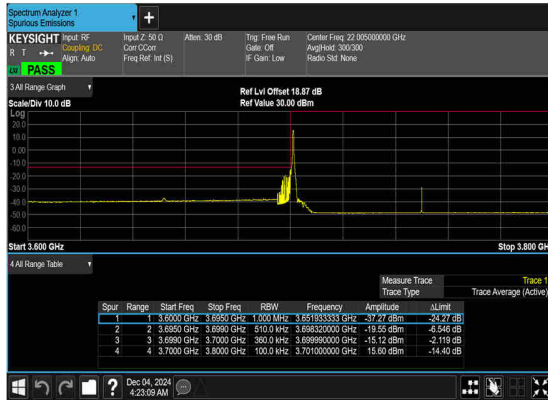


N77(60M)_CP-
OFDM_QPSK_Outer_Full_High_CH





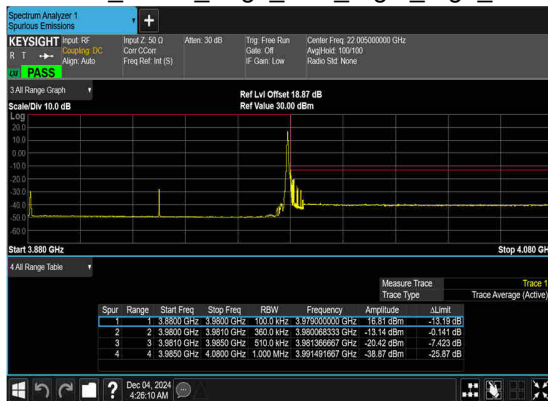
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



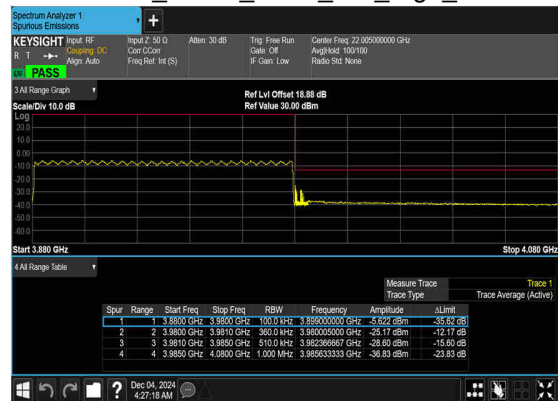
N77(100M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



N77(100M)_CP-
OFDM_QPSK_Outer_Full_High_CH





Software Version: 23.06.1602

FR1 N78(Ant.2+5)**Transmitter Conducted Output Power and EIRP, (G_T - L_C)=-4.0dB**

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	ANT2 Power (dBm)	ANT5 Power (dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	20	647334	3710.01	CP-OFDM QPSK	25@12	21.67	22.01	24.85	20.85	0.1216
78	30	20	647334	3710.01	CP-OFDM QPSK	1@1	21.67	22	24.85	20.85	0.1216
78	30	20	647334	3710.01	CP-OFDM QPSK	1@49	21.74	22.12	24.94	20.94	0.1242
78	30	20	647334	3710.01	CP-OFDM 16 QAM	25@12	21.25	21.5	24.39	20.39	0.1094
78	30	20	647334	3710.01	CP-OFDM 16 QAM	1@1	21.18	21.85	24.54	20.54	0.1132
78	30	20	647334	3710.01	CP-OFDM 16 QAM	1@49	21.11	21.87	24.52	20.52	0.1127
78	30	20	650000	3750	CP-OFDM QPSK	25@12	21.83	22.13	24.99	20.99	0.1256
78	30	20	650000	3750	CP-OFDM QPSK	1@1	21.84	22.07	24.97	20.97	0.1250
78	30	20	650000	3750	CP-OFDM QPSK	1@49	21.98	22.13	25.07	21.07	0.1279
78	30	20	650000	3750	CP-OFDM 16 QAM	25@12	21.43	21.6	24.53	20.53	0.1130
78	30	20	650000	3750	CP-OFDM 16 QAM	1@1	21.25	21.88	24.59	20.59	0.1146
78	30	20	650000	3750	CP-OFDM 16 QAM	1@49	21.26	21.97	24.64	20.64	0.1159
78	30	20	652666	3789.99	CP-OFDM QPSK	25@12	21.76	22.13	24.96	20.96	0.1247
78	30	20	652666	3789.99	CP-OFDM QPSK	1@1	21.83	22.11	24.98	20.98	0.1253
78	30	20	652666	3789.99	CP-OFDM QPSK	1@49	21.8	22.06	24.94	20.94	0.1242
78	30	20	652666	3789.99	CP-OFDM 16 QAM	25@12	21.33	21.57	24.46	20.46	0.1112
78	30	20	652666	3789.99	CP-OFDM 16 QAM	1@1	21.15	21.93	24.57	20.57	0.1140
78	30	20	652666	3789.99	CP-OFDM 16 QAM	1@49	21.14	21.84	24.51	20.51	0.1125
78	30	30	647668	3715.02	CP-OFDM QPSK	39@19	21.68	22.07	24.89	20.89	0.1227
78	30	30	647668	3715.02	CP-OFDM QPSK	1@1	21.69	22.06	24.89	20.89	0.1227
78	30	30	647668	3715.02	CP-OFDM QPSK	1@76	21.77	22.03	24.91	20.91	0.1233
78	30	30	647668	3715.02	CP-OFDM 16 QAM	39@19	21.18	21.53	24.37	20.37	0.1089
78	30	30	647668	3715.02	CP-OFDM 16 QAM	1@1	21.35	21.81	24.60	20.6	0.1148
78	30	30	647668	3715.02	CP-OFDM 16 QAM	1@76	21.29	21.92	24.63	20.63	0.1156
78	30	30	650000	3750	CP-OFDM QPSK	39@19	21.85	22.08	24.98	20.98	0.1253
78	30	30	650000	3750	CP-OFDM QPSK	1@1	21.9	22.12	25.02	21.02	0.1265



NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	ANT2 Power (dBm)	ANT5 Power (dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	30	650000	3750	CP-OFDM QPSK	1@76	21.89	22.34	25.13	21.13	0.1297
78	30	30	650000	3750	CP-OFDM 16 QAM	39@19	21.37	21.57	24.48	20.48	0.1117
78	30	30	650000	3750	CP-OFDM 16 QAM	1@1	21.43	21.91	24.69	20.69	0.1172
78	30	30	650000	3750	CP-OFDM 16 QAM	1@76	21.46	21.97	24.73	20.73	0.1183
78	30	30	652332	3784.98	CP-OFDM QPSK	39@19	21.73	21.99	24.87	20.87	0.1222
78	30	30	652332	3784.98	CP-OFDM QPSK	1@1	21.82	22.13	24.99	20.99	0.1256
78	30	30	652332	3784.98	CP-OFDM QPSK	1@76	21.77	21.96	24.88	20.88	0.1225
78	30	30	652332	3784.98	CP-OFDM 16 QAM	39@19	21.23	21.47	24.36	20.36	0.1086
78	30	30	652332	3784.98	CP-OFDM 16 QAM	1@1	21.36	21.85	24.62	20.62	0.1153
78	30	30	652332	3784.98	CP-OFDM 16 QAM	1@76	21.29	21.78	24.55	20.55	0.1135
78	30	40	648000	3720	CP-OFDM QPSK	53@26	21.68	22	24.85	20.85	0.1216
78	30	40	648000	3720	CP-OFDM QPSK	1@1	21.8	22.15	24.99	20.99	0.1256
78	30	40	648000	3720	CP-OFDM QPSK	1@104	21.81	22.14	24.99	20.99	0.1256
78	30	40	648000	3720	CP-OFDM 16 QAM	53@26	21.25	21.48	24.38	20.38	0.1091
78	30	40	648000	3720	CP-OFDM 16 QAM	1@1	21.19	22.01	24.63	20.63	0.1156
78	30	40	648000	3720	CP-OFDM 16 QAM	1@104	21.37	21.97	24.69	20.69	0.1172
78	30	40	650000	3750	CP-OFDM QPSK	53@26	21.79	22.09	24.95	20.95	0.1245
78	30	40	650000	3750	CP-OFDM QPSK	1@1	21.99	22.19	25.10	21.1	0.1288
78	30	40	650000	3750	CP-OFDM QPSK	1@104	21.99	22.29	25.15	21.15	0.1303
78	30	40	650000	3750	CP-OFDM 16 QAM	53@26	21.37	21.55	24.47	20.47	0.1114
78	30	40	650000	3750	CP-OFDM 16 QAM	1@1	21.36	22.05	24.73	20.73	0.1183
78	30	40	650000	3750	CP-OFDM 16 QAM	1@104	21.55	22.1	24.84	20.84	0.1213
78	30	40	652000	3780	CP-OFDM QPSK	53@26	21.74	22.01	24.89	20.89	0.1227
78	30	40	652000	3780	CP-OFDM QPSK	1@1	21.97	22.24	25.12	21.12	0.1294
78	30	40	652000	3780	CP-OFDM QPSK	1@104	21.91	22.1	25.02	21.02	0.1265
78	30	40	652000	3780	CP-OFDM 16 QAM	53@26	21.28	21.59	24.45	20.45	0.1109
78	30	40	652000	3780	CP-OFDM 16 QAM	1@1	21.41	22.06	24.76	20.76	0.1191
78	30	40	652000	3780	CP-OFDM 16 QAM	1@104	21.27	21.95	24.63	20.63	0.1156
78	30	50	648334	3725.01	CP-OFDM QPSK	67@33	21.56	21.94	24.76	20.76	0.1191
78	30	50	648334	3725.01	CP-OFDM QPSK	1@1	21.59	21.89	24.75	20.75	0.1189
78	30	50	648334	3725.01	CP-OFDM QPSK	1@131	21.73	21.86	24.81	20.81	0.1205



NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	ANT2 Power (dBm)	ANT5 Power (dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	50	648334	3725.01	CP-OFDM 16 QAM	67@33	21.11	21.46	24.30	20.3	0.1072
78	30	50	648334	3725.01	CP-OFDM 16 QAM	1@1	21.06	21.7	24.40	20.4	0.1096
78	30	50	648334	3725.01	CP-OFDM 16 QAM	1@131	21.02	21.66	24.36	20.36	0.1086
78	30	50	650000	3750	CP-OFDM QPSK	67@33	21.77	21.94	24.87	20.87	0.1222
78	30	50	650000	3750	CP-OFDM QPSK	1@1	21.69	21.98	24.85	20.85	0.1216
78	30	50	650000	3750	CP-OFDM QPSK	1@131	21.79	21.91	24.86	20.86	0.1219
78	30	50	650000	3750	CP-OFDM 16 QAM	67@33	21.31	21.48	24.41	20.41	0.1099
78	30	50	650000	3750	CP-OFDM 16 QAM	1@1	21.22	21.83	24.55	20.55	0.1135
78	30	50	650000	3750	CP-OFDM 16 QAM	1@131	21.06	21.73	24.42	20.42	0.1102
78	30	50	651666	3774.99	CP-OFDM QPSK	67@33	21.65	21.86	24.77	20.77	0.1194
78	30	50	651666	3774.99	CP-OFDM QPSK	1@1	21.73	21.8	24.78	20.78	0.1197
78	30	50	651666	3774.99	CP-OFDM QPSK	1@131	21.62	21.72	24.68	20.68	0.1169
78	30	50	651666	3774.99	CP-OFDM 16 QAM	67@33	21.2	21.47	24.35	20.35	0.1084
78	30	50	651666	3774.99	CP-OFDM 16 QAM	1@1	21.23	21.7	24.48	20.48	0.1117
78	30	50	651666	3774.99	CP-OFDM 16 QAM	1@131	20.9	21.48	24.21	20.21	0.1050
78	30	60	648668	3730.02	CP-OFDM QPSK	81@40	21.62	21.9	24.77	20.77	0.1194
78	30	60	648668	3730.02	CP-OFDM QPSK	1@1	21.54	21.82	24.69	20.69	0.1172
78	30	60	648668	3730.02	CP-OFDM QPSK	1@160	21.79	21.96	24.89	20.89	0.1227
78	30	60	648668	3730.02	CP-OFDM 16 QAM	81@40	21.09	21.46	24.29	20.29	0.1069
78	30	60	648668	3730.02	CP-OFDM 16 QAM	1@1	21.03	21.65	24.36	20.36	0.1086
78	30	60	648668	3730.02	CP-OFDM 16 QAM	1@160	21.31	21.79	24.57	20.57	0.1140
78	30	60	650000	3750	CP-OFDM QPSK	81@40	21.75	21.91	24.84	20.84	0.1213
78	30	60	650000	3750	CP-OFDM QPSK	1@1	21.66	21.88	24.78	20.78	0.1197
78	30	60	650000	3750	CP-OFDM QPSK	1@160	21.86	21.98	24.93	20.93	0.1239
78	30	60	650000	3750	CP-OFDM 16 QAM	81@40	21.29	21.43	24.37	20.37	0.1089
78	30	60	650000	3750	CP-OFDM 16 QAM	1@1	21.12	21.75	24.46	20.46	0.1112
78	30	60	650000	3750	CP-OFDM 16 QAM	1@160	21.35	21.83	24.61	20.61	0.1151
78	30	60	651332	3769.98	CP-OFDM QPSK	81@40	21.71	21.9	24.82	20.82	0.1208
78	30	60	651332	3769.98	CP-OFDM QPSK	1@1	21.7	21.97	24.85	20.85	0.1216
78	30	60	651332	3769.98	CP-OFDM QPSK	1@160	21.75	21.84	24.81	20.81	0.1205
78	30	60	651332	3769.98	CP-OFDM 16 QAM	81@40	21.22	21.47	24.36	20.36	0.1086



NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	ANT2 Power (dBm)	ANT5 Power (dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	60	651332	3769.98	CP-OFDM 16 QAM	1@1	21.16	21.77	24.49	20.49	0.1119
78	30	60	651332	3769.98	CP-OFDM 16 QAM	1@160	21.38	21.69	24.55	20.55	0.1135
78	30	70	649000	3735	CP-OFDM QPSK	95@47	21.72	21.93	24.84	20.84	0.1213
78	30	70	649000	3735	CP-OFDM QPSK	1@1	21.67	21.98	24.84	20.84	0.1213
78	30	70	649000	3735	CP-OFDM QPSK	1@187	21.74	21.97	24.87	20.87	0.1222
78	30	70	649000	3735	CP-OFDM 16 QAM	95@47	21.22	21.45	24.35	20.35	0.1084
78	30	70	649000	3735	CP-OFDM 16 QAM	1@1	21.18	21.84	24.53	20.53	0.1130
78	30	70	649000	3735	CP-OFDM 16 QAM	1@187	20.96	21.88	24.45	20.45	0.1109
78	30	70	650000	3750	CP-OFDM QPSK	95@47	21.68	21.97	24.84	20.84	0.1213
78	30	70	650000	3750	CP-OFDM QPSK	1@1	21.75	21.95	24.86	20.86	0.1219
78	30	70	650000	3750	CP-OFDM QPSK	1@187	21.68	21.91	24.81	20.81	0.1205
78	30	70	650000	3750	CP-OFDM 16 QAM	95@47	21.25	21.45	24.36	20.36	0.1086
78	30	70	650000	3750	CP-OFDM 16 QAM	1@1	21.26	21.77	24.53	20.53	0.1130
78	30	70	650000	3750	CP-OFDM 16 QAM	1@187	20.94	21.79	24.40	20.4	0.1096
78	30	70	651000	3765	CP-OFDM QPSK	95@47	21.71	22	24.87	20.87	0.1222
78	30	70	651000	3765	CP-OFDM QPSK	1@1	21.73	22.03	24.89	20.89	0.1227
78	30	70	651000	3765	CP-OFDM QPSK	1@187	21.65	21.85	24.76	20.76	0.1191
78	30	70	651000	3765	CP-OFDM 16 QAM	95@47	21.22	21.53	24.39	20.39	0.1094
78	30	70	651000	3765	CP-OFDM 16 QAM	1@1	21.25	21.87	24.58	20.58	0.1143
78	30	70	651000	3765	CP-OFDM 16 QAM	1@187	21	21.78	24.42	20.42	0.1102
78	30	80	649334	3740.01	CP-OFDM QPSK	109@54	21.71	21.96	24.85	20.85	0.1216
78	30	80	649334	3740.01	CP-OFDM QPSK	1@1	21.61	21.97	24.80	20.8	0.1202
78	30	80	649334	3740.01	CP-OFDM QPSK	1@215	21.71	22.01	24.87	20.87	0.1222
78	30	80	649334	3740.01	CP-OFDM 16 QAM	109@54	21.21	21.46	24.35	20.35	0.1084
78	30	80	649334	3740.01	CP-OFDM 16 QAM	1@1	21.27	21.74	24.52	20.52	0.1127
78	30	80	649334	3740.01	CP-OFDM 16 QAM	1@215	21.15	21.89	24.55	20.55	0.1135
78	30	80	650000	3750	CP-OFDM QPSK	109@54	21.75	21.96	24.87	20.87	0.1222
78	30	80	650000	3750	CP-OFDM QPSK	1@1	21.67	21.98	24.84	20.84	0.1213
78	30	80	650000	3750	CP-OFDM QPSK	1@215	21.68	21.95	24.83	20.83	0.1211
78	30	80	650000	3750	CP-OFDM 16 QAM	109@54	21.21	21.51	24.37	20.37	0.1089
78	30	80	650000	3750	CP-OFDM 16 QAM	1@1	21.24	21.78	24.53	20.53	0.1130



NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	ANT2 Power (dBm)	ANT5 Power (dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	80	650000	3750	CP-OFDM 16 QAM	1@215	21.29	21.76	24.54	20.54	0.1132
78	30	80	650666	3759.99	CP-OFDM QPSK	109@54	21.67	21.97	24.83	20.83	0.1211
78	30	80	650666	3759.99	CP-OFDM QPSK	1@1	21.64	21.95	24.81	20.81	0.1205
78	30	80	650666	3759.99	CP-OFDM QPSK	1@215	21.66	21.88	24.78	20.78	0.1197
78	30	80	650666	3759.99	CP-OFDM 16 QAM	109@54	21.19	21.53	24.37	20.37	0.1089
78	30	80	650666	3759.99	CP-OFDM 16 QAM	1@1	21.23	21.69	24.48	20.48	0.1117
78	30	80	650666	3759.99	CP-OFDM 16 QAM	1@215	21.14	21.71	24.44	20.44	0.1107
78	30	90	649668	3745.02	CP-OFDM QPSK	123@61	21.76	21.98	24.88	20.88	0.1225
78	30	90	649668	3745.02	CP-OFDM QPSK	1@1	21.72	22.03	24.89	20.89	0.1227
78	30	90	649668	3745.02	CP-OFDM QPSK	1@243	21.74	22.07	24.92	20.92	0.1236
78	30	90	649668	3745.02	CP-OFDM 16 QAM	123@61	21.29	21.49	24.40	20.4	0.1096
78	30	90	649668	3745.02	CP-OFDM 16 QAM	1@1	21.15	21.83	24.51	20.51	0.1125
78	30	90	649668	3745.02	CP-OFDM 16 QAM	1@243	21.21	21.94	24.60	20.6	0.1148
78	30	90	650000	3750	CP-OFDM QPSK	123@61	21.75	21.98	24.88	20.88	0.1225
78	30	90	650000	3750	CP-OFDM QPSK	1@1	21.64	21.99	24.83	20.83	0.1211
78	30	90	650000	3750	CP-OFDM QPSK	1@243	21.79	22.02	24.92	20.92	0.1236
78	30	90	650000	3750	CP-OFDM 16 QAM	123@61	21.27	21.52	24.41	20.41	0.1099
78	30	90	650000	3750	CP-OFDM 16 QAM	1@1	21.2	21.84	24.54	20.54	0.1132
78	30	90	650000	3750	CP-OFDM 16 QAM	1@243	21.27	21.83	24.57	20.57	0.1140
78	30	90	650332	3754.98	CP-OFDM QPSK	123@61	21.66	21.9	24.79	20.79	0.1199
78	30	90	650332	3754.98	CP-OFDM QPSK	1@1	21.64	21.98	24.82	20.82	0.1208
78	30	90	650332	3754.98	CP-OFDM QPSK	1@243	21.67	21.99	24.84	20.84	0.1213
78	30	90	650332	3754.98	CP-OFDM 16 QAM	123@61	21.21	21.48	24.36	20.36	0.1086
78	30	90	650332	3754.98	CP-OFDM 16 QAM	1@1	21.13	21.81	24.49	20.49	0.1119
78	30	90	650332	3754.98	CP-OFDM 16 QAM	1@243	21.17	21.73	24.47	20.47	0.1114
78	30	100	650000	3750	CP-OFDM QPSK	137@68	21.8	22.08	24.95	20.95	0.1245
78	30	100	650000	3750	CP-OFDM QPSK	1@1	21.77	22.12	24.96	20.96	0.1247
78	30	100	650000	3750	CP-OFDM QPSK	1@271	22.09	22.49	25.30	21.3	0.1349
78	30	100	650000	3750	CP-OFDM 16 QAM	137@68	21.3	21.56	24.44	20.44	0.1107
78	30	100	650000	3750	CP-OFDM 16 QAM	1@1	21.33	21.83	24.60	20.6	0.1148
78	30	100	650000	3750	CP-OFDM 16 QAM	1@271	21.24	21.88	24.58	20.58	0.1143



NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	ANT2 Power (dBm)	ANT5 Power (dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	100	650000	3750	CP-OFDM 64 QAM	137@68	19.81	20.41	23.13	19.13	0.0818
78	30	100	650000	3750	CP-OFDM 64 QAM	1@1	19.69	20.22	22.97	18.97	0.0789
78	30	100	650000	3750	CP-OFDM 64 QAM	1@271	19.58	20.51	23.08	19.08	0.0809
78	30	100	650000	3750	CP-OFDM 256 QAM	137@68	17.06	17.38	20.23	16.23	0.0420
78	30	100	650000	3750	CP-OFDM 256 QAM	1@1	17.05	17.3	20.19	16.19	0.0416
78	30	100	650000	3750	CP-OFDM 256 QAM	1@271	17.38	17.56	20.48	16.48	0.0445



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Jake	Temperature :	23~25°C
		Relative Humidity :	51~53%

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

n77 SA / NR 100MHz / QPSK(ANT3)								
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	7416	-60.30	-13	-47.30	-70.51	3.03	13.24	H
	11112	-58.28	-13	-45.28	-67.73	3.56	13.01	H
	14820	-57.34	-13	-44.34	-66.86	3.92	13.44	H
	7416	-60.13	-13	-47.13	-70.34	3.03	13.24	V
	11112	-58.36	-13	-45.36	-67.81	3.56	13.01	V
	14820	-57.10	-13	-44.10	-66.62	3.92	13.44	V
Middle	7584	-58.13	-13	-45.13	-68.34	3.03	13.24	H
	11388	-58.42	-13	-45.42	-67.87	3.56	13.01	H
	15180	-57.28	-13	-44.28	-66.80	3.92	13.44	H
	7584	-55.60	-13	-42.60	-65.81	3.03	13.24	V
	11388	-58.45	-13	-45.45	-67.90	3.56	13.01	V
	15180	-57.88	-13	-44.88	-67.40	3.92	13.44	V
Highest	7776	-59.78	-13	-46.78	-69.99	3.03	13.24	H
	11652	-57.19	-13	-44.19	-66.64	3.56	13.01	H
	15540	-57.12	-13	-44.12	-66.64	3.92	13.44	H
	7776	-59.47	-13	-46.47	-69.68	3.03	13.24	V
	11652	-57.32	-13	-44.32	-66.77	3.56	13.01	V
	15540	-56.80	-13	-43.80	-66.32	3.92	13.44	V

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

n78 SA / NR 100MHz / QPSK(ANT3)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7416	-60.26	-13	-47.26	-70.47	3.03	13.24	H
	11112	-57.78	-13	-44.78	-67.23	3.56	13.01	H
	14820	-57.15	-13	-44.15	-66.67	3.92	13.44	H
	7416	-60.17	-13	-47.17	-70.38	3.03	13.24	V
	11112	-57.82	-13	-44.82	-67.27	3.56	13.01	V
	14820	-57.33	-13	-44.33	-66.85	3.92	13.44	V

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

EN-DC_30A_n77A / LTE 10MHz + NR 100MHz / QPSK(0+5)								
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	7416	-57.99	-13	-44.99	-68.20	3.03	13.24	H
	11112	-52.57	-13	-39.57	-62.02	3.56	13.01	H
	14820	-55.07	-13	-42.07	-64.59	3.92	13.44	H
	7416	-58.28	-13	-45.28	-68.49	3.03	13.24	V
	11112	-53.72	-13	-40.72	-63.17	3.56	13.01	V
	14820	-55.34	-13	-42.34	-64.86	3.92	13.44	V
Middle	7584	-56.00	-13	-43.00	-66.21	3.03	13.24	H
	11376	-47.92	-13	-34.92	-57.37	3.56	13.01	H
	15180	-57.71	-13	-44.71	-67.23	3.92	13.44	H
	7584	-54.61	-13	-41.61	-64.82	3.03	13.24	V
	11376	-55.04	-13	-42.04	-64.49	3.56	13.01	V
	15180	-57.67	-13	-44.67	-67.19	3.92	13.44	V
Highest	7764	-56.96	-13	-43.96	-67.17	3.03	13.24	H
	11640	-48.60	-13	-35.60	-58.05	3.56	13.01	H
	15540	-54.79	-13	-41.79	-64.31	3.92	13.44	H
	7764	-56.64	-13	-43.64	-66.85	3.03	13.24	V
	11640	-47.40	-13	-34.40	-56.85	3.56	13.01	V
	15540	-55.69	-13	-42.69	-65.21	3.92	13.44	V

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

EN-DC_41A_n78A / LTE 20MHz + NR 100MHz / QPSK(0+5)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7416	-58.64	-13	-45.64	-68.85	3.03	13.24	H
	11112	-55.90	-13	-42.90	-65.35	3.56	13.01	H
	14820	-57.42	-13	-44.42	-66.94	3.92	13.44	H
	7416	-59.08	-13	-46.08	-69.29	3.03	13.24	V
	11112	-56.69	-13	-43.69	-66.14	3.56	13.01	V
	14820	-57.28	-13	-44.28	-66.80	3.92	13.44	V

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



n77 UL MIMO / NR 100+100MHz / QPSK(ANT2+5)								
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	7416	-59.55	-13	-46.55	-69.76	3.03	13.24	H
	11112	-58.04	-13	-45.04	-67.49	3.56	13.01	H
	14820	-57.77	-13	-44.77	-67.29	3.92	13.44	H
	7416	-60.10	-13	-47.10	-70.31	3.03	13.24	V
	11112	-57.64	-13	-44.64	-67.09	3.56	13.01	V
	14820	-57.33	-13	-44.33	-66.85	3.92	13.44	V
Middle	7584	-59.27	-13	-46.27	-69.48	3.03	13.24	H
	11388	-58.06	-13	-45.06	-67.51	3.56	13.01	H
	15180	-57.56	-13	-44.56	-67.08	3.92	13.44	H
	7584	-59.55	-13	-46.55	-69.76	3.03	13.24	V
	11388	-58.57	-13	-45.57	-68.02	3.56	13.01	V
	15180	-57.60	-13	-44.60	-67.12	3.92	13.44	V
Highest	7776	-59.12	-13	-46.12	-69.33	3.03	13.24	H
	11652	-56.81	-13	-43.81	-66.26	3.56	13.01	H
	15540	-56.20	-13	-43.20	-65.72	3.92	13.44	H
	7776	-59.14	-13	-46.14	-69.35	3.03	13.24	V
	11652	-57.07	-13	-44.07	-66.52	3.56	13.01	V
	15540	-56.52	-13	-43.52	-66.04	3.92	13.44	V

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

n78 UL MIMO / NR 100+100MHz / QPSK(ANT2+5)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7416	-60.03	-13	-47.03	-70.24	3.03	13.24	H
	11112	-58.16	-13	-45.16	-67.61	3.56	13.01	H
	14820	-57.64	-13	-44.64	-67.16	3.92	13.44	H
	7416	-60.62	-13	-47.62	-70.83	3.03	13.24	V
	11112	-57.25	-13	-44.25	-66.70	3.56	13.01	V
	14820	-57.56	-13	-44.56	-67.08	3.92	13.44	V

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