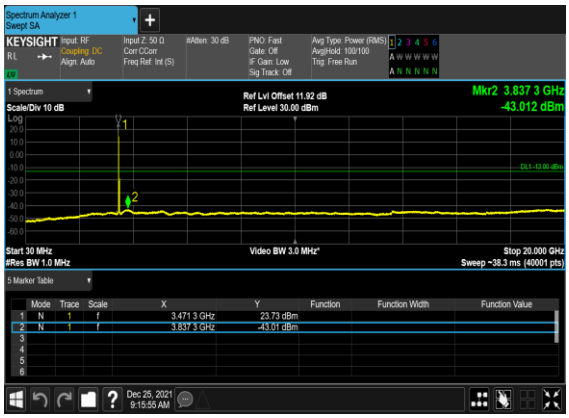
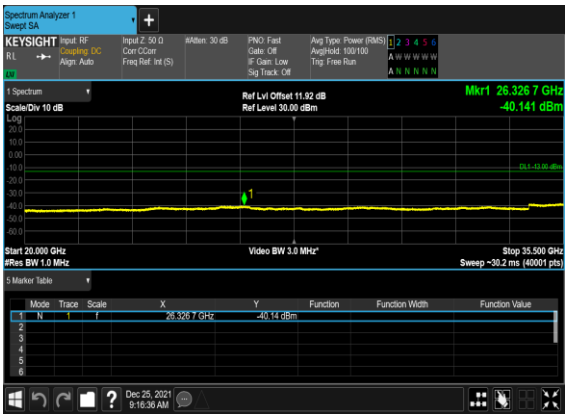
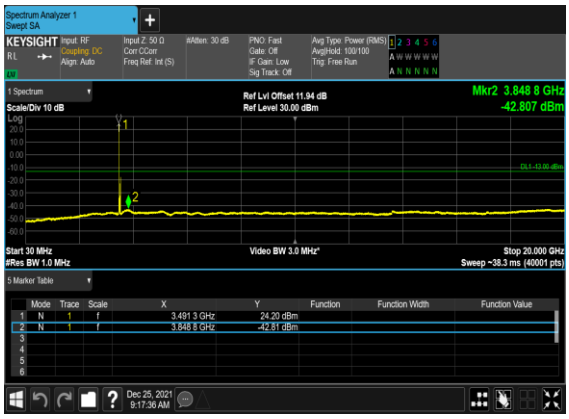
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



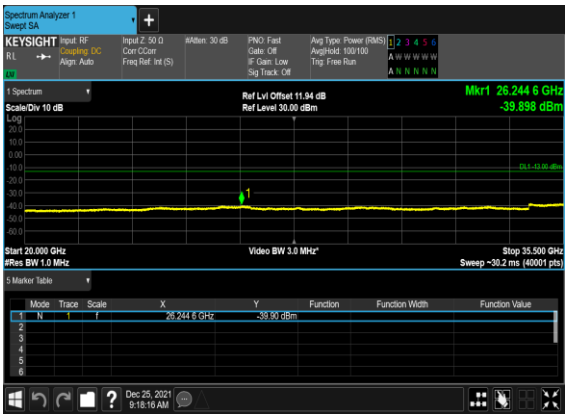
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



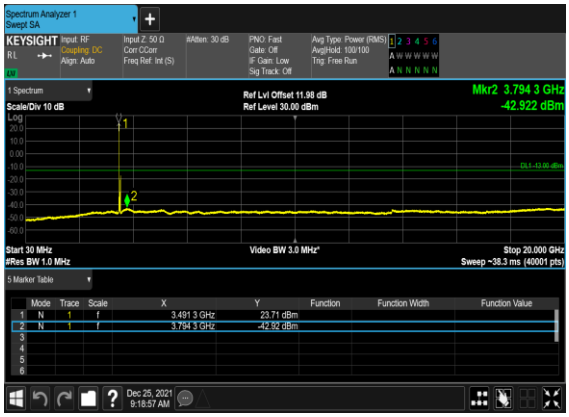
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



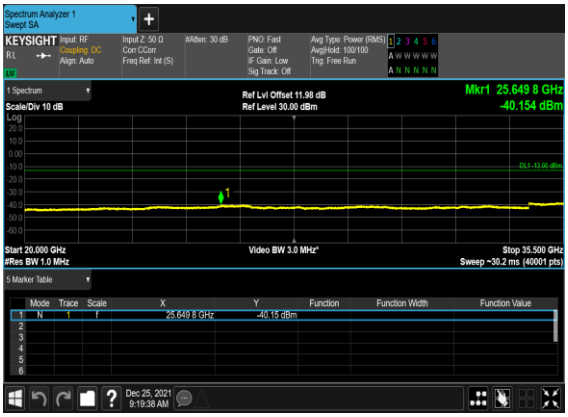
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



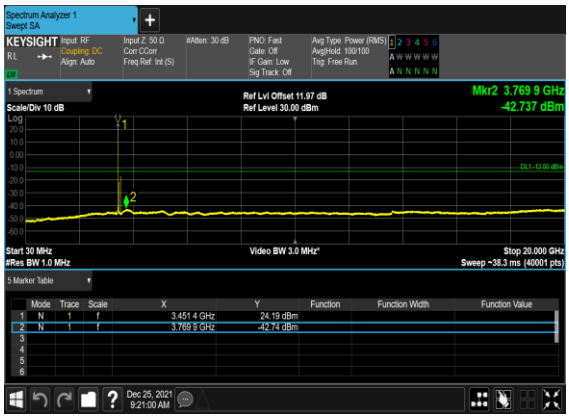
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

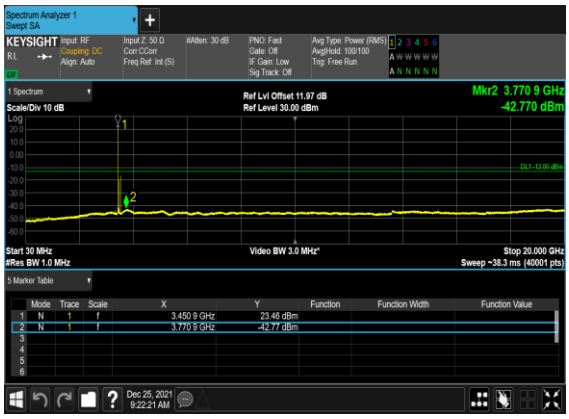


N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

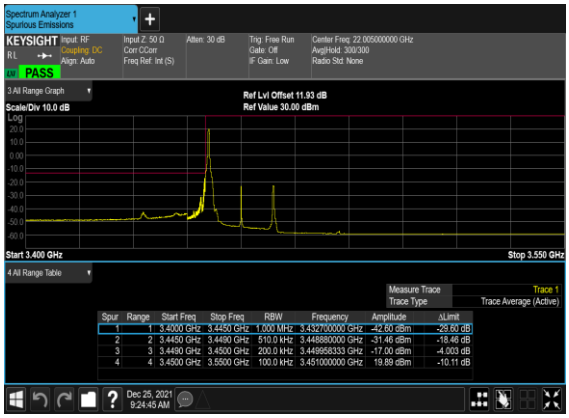


N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

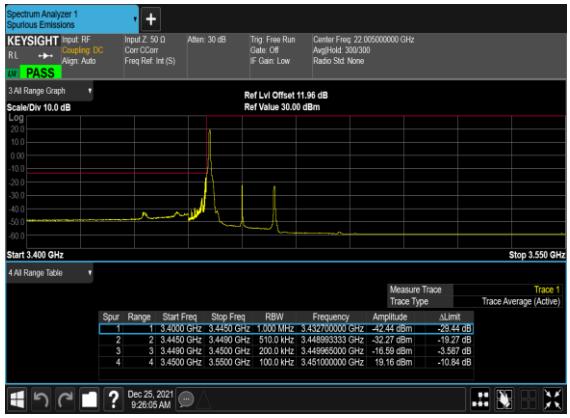
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	630668	3460.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	20	630668	3460.02	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
77	30	20	636000	3540.0	DFT-s-OFDM BPSK	1@50	see graph	**PASS**
77	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@50	see graph	**PASS**
77	30	20	636000	3540.0	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
77	30	20	636000	3540.0	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
77	30	60	632000	3480.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	60	632000	3480.0	DFT-s-OFDM BPSK	162@0	see graph	**PASS**
77	30	60	632000	3480.0	DFT-s-OFDM QPSK	162@0	see graph	**PASS**
77	30	60	634666	3519.99	DFT-s-OFDM BPSK	1@161	see graph	**PASS**
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@161	see graph	**PASS**
77	30	60	634666	3519.99	DFT-s-OFDM BPSK	162@0	see graph	**PASS**
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	162@0	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@272	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@272	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	270@0	see graph	**PASS**

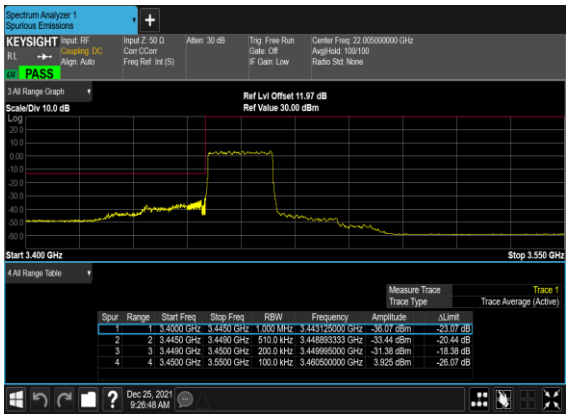
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

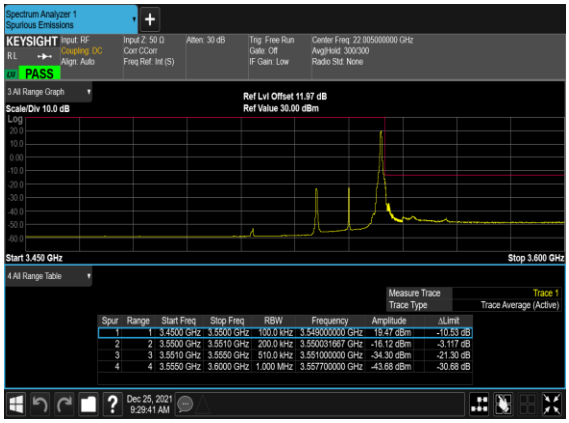


N77(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

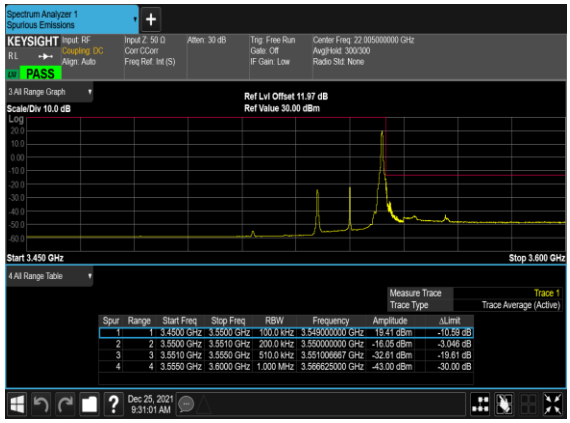


N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

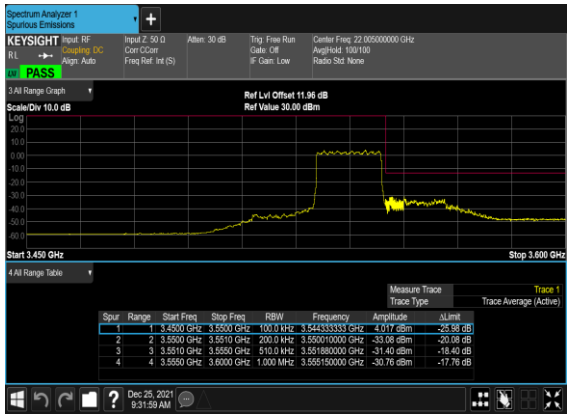


N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

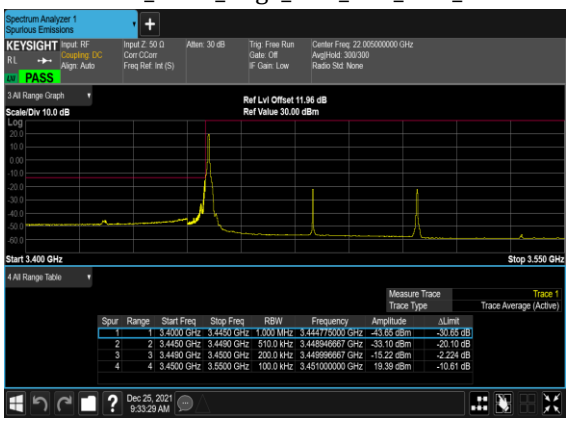


N77(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

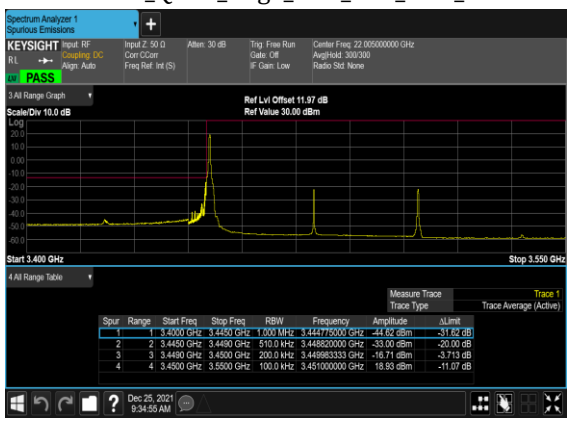
N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



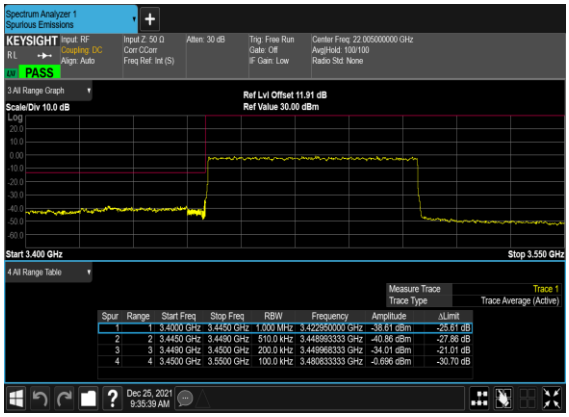
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



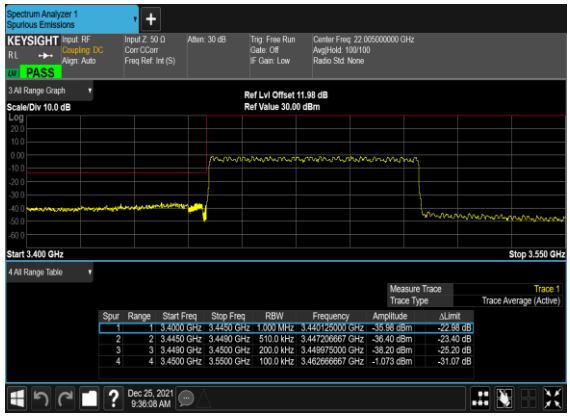
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



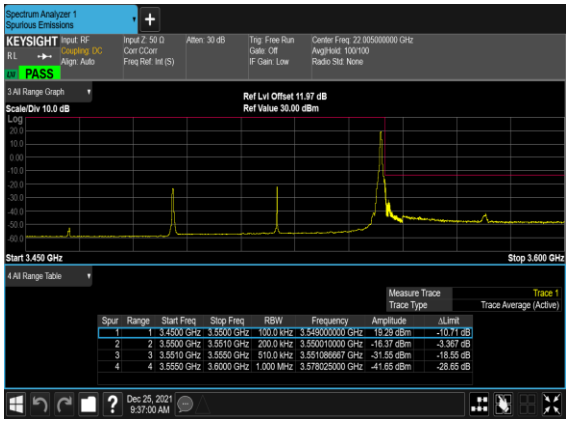
N77(60M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



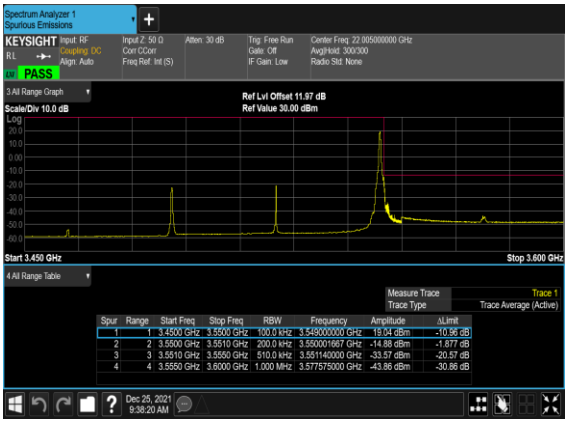
N77(60M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



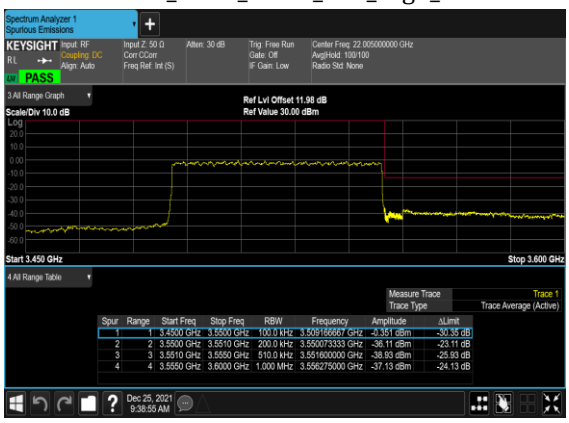
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



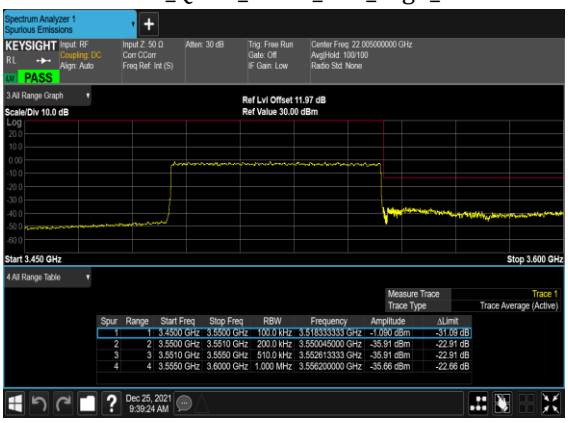
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



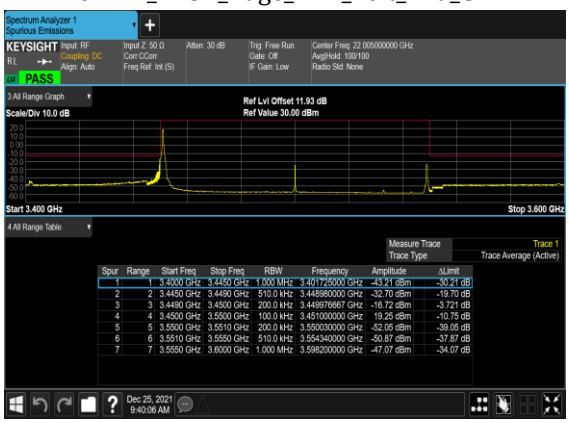
N77(60M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



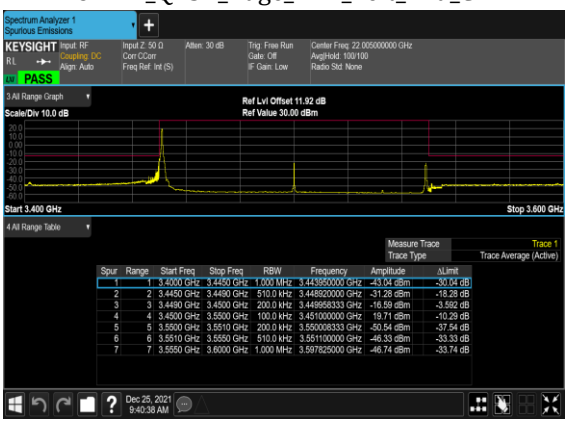
N77(60M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



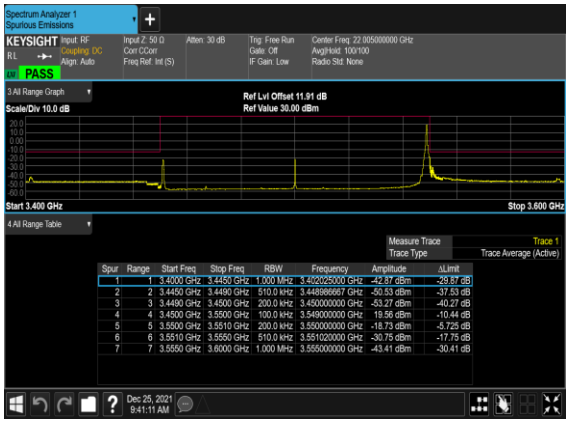
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



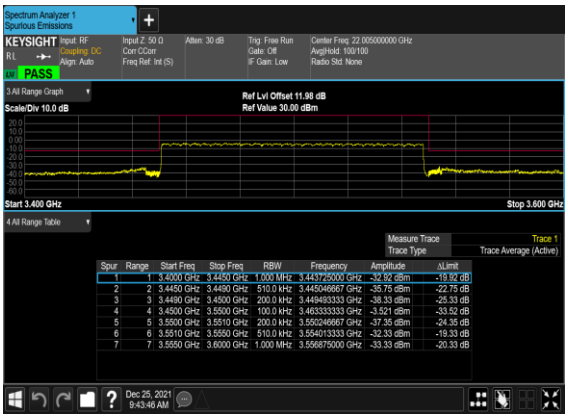
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH

N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH

N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



Software Version: 21.02.121001

FR1 N78

Transmitter Conducted Output Power And ERP/EIRP, (G_T - L_C) =-6.8dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	25@12	23.34	16.54	0.0451
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	23.45	16.65	0.0462
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@49	23.42	16.62	0.0459
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	25@12	23.44	16.64	0.0461
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	23.42	16.62	0.0459
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@49	23.34	16.54	0.0451
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	25@12	22.44	15.64	0.0366
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	22.89	16.09	0.0406
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@49	22.46	15.66	0.0368
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	25@12	20.93	14.13	0.0259
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@1	21.16	14.36	0.0273
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@49	20.92	14.12	0.0258
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	25@12	18.91	12.11	0.0163
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@1	18.59	11.79	0.0151
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@49	18.49	11.69	0.0148
78	30	20	630668	3460.02	CP-OFDM QPSK	25@12	21.92	15.12	0.0325
78	30	20	630668	3460.02	CP-OFDM QPSK	1@1	22.03	15.23	0.0333
78	30	20	630668	3460.02	CP-OFDM QPSK	1@49	21.94	15.14	0.0327
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	23.44	16.64	0.0461
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.42	16.62	0.0459

78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@49	23.53	16.73	0.0471
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	25@12	23.51	16.71	0.0469
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.36	16.56	0.0453
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@49	23.47	16.67	0.0465
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	22.55	15.75	0.0376
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.47	15.67	0.0369
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@49	22.59	15.79	0.0379
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	21.02	14.22	0.0264
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.93	14.13	0.0259
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@49	21.08	14.28	0.0268
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	18.87	12.07	0.0161
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.53	11.73	0.0149
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@49	18.72	11.92	0.0156
78	30	20	633334	3500.01	CP-OFDM QPSK	25@12	22.05	15.25	0.0335
78	30	20	633334	3500.01	CP-OFDM QPSK	1@1	21.89	15.09	0.0323
78	30	20	633334	3500.01	CP-OFDM QPSK	1@49	22.04	15.24	0.0334
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	25@12	23.46	16.66	0.0463
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	23.54	16.74	0.0472
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@49	23.46	16.66	0.0463
78	30	20	636000	3540	DFT-s-OFDM QPSK	25@12	23.36	16.56	0.0453
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	23.52	16.72	0.0470
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@49	23.44	16.64	0.0461
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	25@12	22.44	15.64	0.0366
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	22.68	15.88	0.0387

78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@49	22.58	15.78	0.0378
78	30	20	636000	3540	DFT-s-OFDM 64 QAM	25@12	21.01	14.21	0.0264
78	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@1	21.08	14.28	0.0268
78	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@49	21.11	14.31	0.0270
78	30	20	636000	3540	DFT-s-OFDM 256 QAM	25@12	18.91	12.11	0.0163
78	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@1	18.79	11.99	0.0158
78	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@49	18.6	11.8	0.0151
78	30	20	636000	3540	CP-OFDM QPSK	25@12	21.93	15.13	0.0326
78	30	20	636000	3540	CP-OFDM QPSK	1@1	22.05	15.25	0.0335
78	30	20	636000	3540	CP-OFDM QPSK	1@49	22.01	15.21	0.0332
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	36@18	23.41	16.61	0.0458
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@1	23.6	16.8	0.0479
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@76	23.23	16.43	0.0440
78	30	30	631000	3465	DFT-s-OFDM QPSK	36@18	23.39	16.59	0.0456
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	23.42	16.62	0.0459
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@76	23.33	16.53	0.0450
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	36@18	22.56	15.76	0.0377
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	22.56	15.76	0.0377
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@76	22.38	15.58	0.0361
78	30	30	631000	3465	DFT-s-OFDM 64 QAM	36@18	20.79	13.99	0.0251
78	30	30	631000	3465	DFT-s-OFDM 64 QAM	1@1	21.14	14.34	0.0272
78	30	30	631000	3465	DFT-s-OFDM 64 QAM	1@76	20.93	14.13	0.0259
78	30	30	631000	3465	DFT-s-OFDM 256 QAM	36@18	19.02	12.22	0.0167
78	30	30	631000	3465	DFT-s-OFDM 256 QAM	1@1	18.64	11.84	0.0153

78	30	30	631000	3465	DFT-s-OFDM 256 QAM	1@76	18.36	11.56	0.0143
78	30	30	631000	3465	CP-OFDM QPSK	39@19	21.87	15.07	0.0321
78	30	30	631000	3465	CP-OFDM QPSK	1@1	22	15.2	0.0331
78	30	30	631000	3465	CP-OFDM QPSK	1@76	21.68	14.88	0.0308
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@18	23.45	16.65	0.0462
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.46	16.66	0.0463
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@76	23.35	16.55	0.0452
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	36@18	23.49	16.69	0.0467
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.43	16.63	0.0460
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@76	23.31	16.51	0.0448
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	36@18	22.46	15.66	0.0368
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.57	15.77	0.0378
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@76	22.52	15.72	0.0373
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	36@18	21.09	14.29	0.0269
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.14	14.34	0.0272
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@76	21.06	14.26	0.0267
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	36@18	19.05	12.25	0.0168
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.59	11.79	0.0151
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@76	18.56	11.76	0.0150
78	30	30	633334	3500.01	CP-OFDM QPSK	39@19	22	15.2	0.0331
78	30	30	633334	3500.01	CP-OFDM QPSK	1@1	21.96	15.16	0.0328
78	30	30	633334	3500.01	CP-OFDM QPSK	1@76	21.83	15.03	0.0318
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	36@18	23.55	16.75	0.0473
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	23.63	16.83	0.0482
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@76	23.33	16.53	0.0450

78	30	30	635666	3534.99	DFT-s-OFDM QPSK	36@18	23.55	16.75	0.0473
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	23.56	16.76	0.0474
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@76	23.34	16.54	0.0451
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	36@18	22.54	15.74	0.0375
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	22.67	15.87	0.0386
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@76	22.43	15.63	0.0366
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	36@18	21.08	14.28	0.0268
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@1	21.17	14.37	0.0274
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@76	21.05	14.25	0.0266
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	36@18	19.02	12.22	0.0167
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@1	18.66	11.86	0.0153
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@76	18.6	11.8	0.0151
78	30	30	635666	3534.99	CP-OFDM QPSK	39@19	22.02	15.22	0.0333
78	30	30	635666	3534.99	CP-OFDM QPSK	1@1	22.08	15.28	0.0337
78	30	30	635666	3534.99	CP-OFDM QPSK	1@76	21.76	14.96	0.0313
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	50@25	23.42	16.62	0.0459
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	23.55	16.75	0.0473
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@104	23.3	16.5	0.0447
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	50@25	23.36	16.56	0.0453
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	23.56	16.76	0.0474
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@104	23.27	16.47	0.0444
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	50@25	22.31	15.51	0.0356
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	22.6	15.8	0.0380
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@104	22.4	15.6	0.0363

78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	50@25	20.84	14.04	0.0254
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	21.13	14.33	0.0271
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@104	20.77	13.97	0.0249
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	50@25	18.87	12.07	0.0161
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	18.81	12.01	0.0159
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@104	18.49	11.69	0.0148
78	30	40	631334	3470.01	CP-OFDM QPSK	53@26	21.93	15.13	0.0326
78	30	40	631334	3470.01	CP-OFDM QPSK	1@1	22.1	15.3	0.0339
78	30	40	631334	3470.01	CP-OFDM QPSK	1@104	21.86	15.06	0.0321
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	23.55	16.75	0.0473
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.56	16.76	0.0474
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	23.48	16.68	0.0466
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	50@25	23.49	16.69	0.0467
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.45	16.65	0.0462
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@104	23.33	16.53	0.0450
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	22.46	15.66	0.0368
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.53	15.73	0.0374
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	22.39	15.59	0.0362
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	21.07	14.27	0.0267
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.96	14.16	0.0261
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	21.04	14.24	0.0265
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	18.91	12.11	0.0163
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.64	11.84	0.0153
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	18.47	11.67	0.0147

78	30	40	633334	3500.01	CP-OFDM QPSK	53@26	22.04	15.24	0.0334
78	30	40	633334	3500.01	CP-OFDM QPSK	1@1	22.01	15.21	0.0332
78	30	40	633334	3500.01	CP-OFDM QPSK	1@104	22.02	15.22	0.0333
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	50@25	23.5	16.7	0.0468
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	23.73	16.93	0.0493
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@104	23.41	16.61	0.0458
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	50@25	23.48	16.68	0.0466
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	23.63	16.83	0.0482
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@104	23.35	16.55	0.0452
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	50@25	22.59	15.79	0.0379
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	22.77	15.97	0.0395
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@104	22.45	15.65	0.0367
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	50@25	21.09	14.29	0.0269
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@1	21.23	14.43	0.0277
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@104	20.92	14.12	0.0258
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	50@25	18.89	12.09	0.0162
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@1	18.86	12.06	0.0161
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@104	18.63	11.83	0.0152
78	30	40	635332	3529.98	CP-OFDM QPSK	53@26	22.01	15.21	0.0332
78	30	40	635332	3529.98	CP-OFDM QPSK	1@1	22.17	15.37	0.0344
78	30	40	635332	3529.98	CP-OFDM QPSK	1@104	21.83	15.03	0.0318
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	64@32	23.16	16.36	0.0433
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	23.33	16.53	0.0450
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@131	23.12	16.32	0.0429
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	64@32	23.14	16.34	0.0431

78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	23.24	16.44	0.0441
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@131	23.17	16.37	0.0434
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	64@32	22.31	15.51	0.0356
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	22.5	15.7	0.0372
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@131	22.23	15.43	0.0349
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	64@32	20.77	13.97	0.0249
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@1	20.83	14.03	0.0253
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@131	20.92	14.12	0.0258
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	64@32	18.77	11.97	0.0157
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@1	18.54	11.74	0.0149
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@131	18.31	11.51	0.0142
78	30	50	631668	3475.02	CP-OFDM QPSK	67@33	21.71	14.91	0.0310
78	30	50	631668	3475.02	CP-OFDM QPSK	1@1	21.85	15.05	0.0320
78	30	50	631668	3475.02	CP-OFDM QPSK	1@131	21.74	14.94	0.0312
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@32	23.3	16.5	0.0447
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.19	16.39	0.0436
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@131	23.17	16.37	0.0434
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	64@32	23.27	16.47	0.0444
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.14	16.34	0.0431
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@131	23.1	16.3	0.0427
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	64@32	22.28	15.48	0.0353
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.43	15.63	0.0366
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@131	22.22	15.42	0.0348
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	64@32	20.88	14.08	0.0256

78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.92	14.12	0.0258
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@131	20.81	14.01	0.0252
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	64@32	18.82	12.02	0.0159
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.48	11.68	0.0147
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@131	18.22	11.42	0.0139
78	30	50	633334	3500.01	CP-OFDM QPSK	67@33	21.79	14.99	0.0316
78	30	50	633334	3500.01	CP-OFDM QPSK	1@1	21.78	14.98	0.0315
78	30	50	633334	3500.01	CP-OFDM QPSK	1@131	21.62	14.82	0.0303
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	64@32	23.31	16.51	0.0448
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	23.37	16.57	0.0454
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@131	23.15	16.35	0.0432
78	30	50	635000	3525	DFT-s-OFDM QPSK	64@32	23.45	16.65	0.0462
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	23.38	16.58	0.0455
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@131	23.15	16.35	0.0432
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	64@32	22.59	15.79	0.0379
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	22.51	15.71	0.0372
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@131	22.28	15.48	0.0353
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	64@32	20.93	14.13	0.0259
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	21.02	14.22	0.0264
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@131	20.93	14.13	0.0259
78	30	50	635000	3525	DFT-s-OFDM 256 QAM	64@32	18.91	12.11	0.0163
78	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	18.51	11.71	0.0148
78	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@131	18.28	11.48	0.0141
78	30	50	635000	3525	CP-OFDM QPSK	67@33	21.89	15.09	0.0323
78	30	50	635000	3525	CP-OFDM QPSK	1@1	21.86	15.06	0.0321

78	30	50	635000	3525	CP-OFDM QPSK	1@131	21.7	14.9	0.0309
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	81@40	23.14	16.34	0.0431
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@1	23.43	16.63	0.0460
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@160	23.13	16.33	0.0430
78	30	60	632000	3480	DFT-s-OFDM QPSK	81@40	23.18	16.38	0.0435
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	23.41	16.61	0.0458
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@160	23.1	16.3	0.0427
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	81@40	22.01	15.21	0.0332
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	22.52	15.72	0.0373
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@160	22.19	15.39	0.0346
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	81@40	20.65	13.85	0.0243
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@1	21.06	14.26	0.0267
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@160	20.96	14.16	0.0261
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	81@40	18.69	11.89	0.0155
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@1	18.44	11.64	0.0146
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@160	18.25	11.45	0.0140
78	30	60	632000	3480	CP-OFDM QPSK	81@40	21.63	14.83	0.0304
78	30	60	632000	3480	CP-OFDM QPSK	1@1	21.96	15.16	0.0328
78	30	60	632000	3480	CP-OFDM QPSK	1@160	21.77	14.97	0.0314
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	81@40	23.26	16.46	0.0443
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.17	16.37	0.0434
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@160	23.07	16.27	0.0424
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	81@40	23.35	16.55	0.0452
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.13	16.33	0.0430

78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@160	23.03	16.23	0.0420
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	81@40	22.15	15.35	0.0343
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.22	15.42	0.0348
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@160	22.16	15.36	0.0344
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	81@40	20.78	13.98	0.0250
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.66	13.86	0.0243
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@160	20.52	13.72	0.0236
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	81@40	18.73	11.93	0.0156
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.4	11.6	0.0145
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@160	18.3	11.5	0.0141
78	30	60	633334	3500.01	CP-OFDM QPSK	81@40	21.83	15.03	0.0318
78	30	60	633334	3500.01	CP-OFDM QPSK	1@1	21.66	14.86	0.0306
78	30	60	633334	3500.01	CP-OFDM QPSK	1@160	21.64	14.84	0.0305
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	81@40	23.37	16.57	0.0454
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	23.39	16.59	0.0456
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@160	23.2	16.4	0.0437
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	81@40	23.34	16.54	0.0451
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	23.21	16.41	0.0438
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@160	23.12	16.32	0.0429
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	81@40	22.36	15.56	0.0360
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	22.37	15.57	0.0361
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@160	22.25	15.45	0.0351
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	81@40	20.9	14.1	0.0257
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@1	21.02	14.22	0.0264

78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@160	20.92	14.12	0.0258
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	81@40	18.86	12.06	0.0161
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@1	18.54	11.74	0.0149
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@160	18.37	11.57	0.0144
78	30	60	634666	3519.99	CP-OFDM QPSK	81@40	21.94	15.14	0.0327
78	30	60	634666	3519.99	CP-OFDM QPSK	1@1	21.87	15.07	0.0321
78	30	60	634666	3519.99	CP-OFDM QPSK	1@160	21.73	14.93	0.0311
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	90@45	23.02	16.22	0.0419
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@1	23.23	16.43	0.0440
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@187	22.95	16.15	0.0412
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	90@45	23.07	16.27	0.0424
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	23.3	16.5	0.0447
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@187	22.99	16.19	0.0416
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	90@45	22.09	15.29	0.0338
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	22.35	15.55	0.0359
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@187	21.72	14.92	0.0310
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	90@45	20.67	13.87	0.0244
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@1	20.89	14.09	0.0256
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@187	20.53	13.73	0.0236
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	90@45	18.52	11.72	0.0149
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@1	18.47	11.67	0.0147
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@187	18.24	11.44	0.0139
78	30	70	632334	3485.01	CP-OFDM QPSK	95@47	21.63	14.83	0.0304
78	30	70	632334	3485.01	CP-OFDM QPSK	1@1	21.86	15.06	0.0321
78	30	70	632334	3485.01	CP-OFDM QPSK	1@187	21.54	14.74	0.0298

78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	90@45	23.1	16.3	0.0427
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.17	16.37	0.0434
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@187	23.01	16.21	0.0418
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	90@45	23.06	16.26	0.0423
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.1	16.3	0.0427
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@187	22.91	16.11	0.0408
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	90@45	22.06	15.26	0.0336
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.13	15.33	0.0341
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@187	21.93	15.13	0.0326
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	90@45	20.59	13.79	0.0239
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.75	13.95	0.0248
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@187	20.5	13.7	0.0234
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	90@45	18.57	11.77	0.0150
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.42	11.62	0.0145
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@187	18.23	11.43	0.0139
78	30	70	633334	3500.01	CP-OFDM QPSK	95@47	21.6	14.8	0.0302
78	30	70	633334	3500.01	CP-OFDM QPSK	1@1	21.68	14.88	0.0308
78	30	70	633334	3500.01	CP-OFDM QPSK	1@187	21.42	14.62	0.0290
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	90@45	23.29	16.49	0.0446
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@1	23.22	16.42	0.0439
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@187	23.05	16.25	0.0422
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	90@45	23.29	16.49	0.0446
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	23.1	16.3	0.0427
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@187	22.88	16.08	0.0406

78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	90@45	22.24	15.44	0.0350
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	22.16	15.36	0.0344
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@187	21.95	15.15	0.0327
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	90@45	20.88	14.08	0.0256
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@1	20.7	13.9	0.0245
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@187	20.45	13.65	0.0232
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	90@45	18.7	11.9	0.0155
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@1	18.57	11.77	0.0150
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@187	18.19	11.39	0.0138
78	30	70	634332	3514.98	CP-OFDM QPSK	95@47	21.71	14.91	0.0310
78	30	70	634332	3514.98	CP-OFDM QPSK	1@1	21.63	14.83	0.0304
78	30	70	634332	3514.98	CP-OFDM QPSK	1@187	21.54	14.74	0.0298
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	108@54	23.2	16.4	0.0437
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	23.38	16.58	0.0455
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@215	23.06	16.26	0.0423
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	108@54	23.2	16.4	0.0437
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	23.26	16.46	0.0443
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@215	23.09	16.29	0.0426
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	108@54	22.36	15.56	0.0360
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	22.43	15.63	0.0366
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@215	22.06	15.26	0.0336
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	108@54	20.74	13.94	0.0248
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@1	20.86	14.06	0.0255
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@215	20.78	13.98	0.0250

78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	108@54	18.72	11.92	0.0156
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@1	18.46	11.66	0.0147
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@215	18.23	11.43	0.0139
78	30	80	632668	3490.02	CP-OFDM QPSK	109@54	21.65	14.85	0.0305
78	30	80	632668	3490.02	CP-OFDM QPSK	1@1	21.85	15.05	0.0320
78	30	80	632668	3490.02	CP-OFDM QPSK	1@215	21.65	14.85	0.0305
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	108@54	23.04	16.24	0.0421
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.05	16.25	0.0422
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@215	22.95	16.15	0.0412
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	108@54	23.16	16.36	0.0433
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.13	16.33	0.0430
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@215	23	16.2	0.0417
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	22.27	15.47	0.0352
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.23	15.43	0.0349
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@215	22.04	15.24	0.0334
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	108@54	20.71	13.91	0.0246
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.63	13.83	0.0242
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@215	20.61	13.81	0.0240
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	108@54	18.67	11.87	0.0154
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.24	11.44	0.0139
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@215	18.09	11.29	0.0135
78	30	80	633334	3500.01	CP-OFDM QPSK	109@54	21.59	14.79	0.0301
78	30	80	633334	3500.01	CP-OFDM QPSK	1@1	21.67	14.87	0.0307
78	30	80	633334	3500.01	CP-OFDM QPSK	1@215	21.5	14.7	0.0295
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	108@54	23.11	16.31	0.0428

78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@1	23.07	16.27	0.0424
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@215	22.88	16.08	0.0406
78	30	80	634000	3510	DFT-s-OFDM QPSK	108@54	23.14	16.34	0.0431
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	23.01	16.21	0.0418
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@215	22.83	16.03	0.0401
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	108@54	22.2	15.4	0.0347
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	22.19	15.39	0.0346
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@215	22.01	15.21	0.0332
78	30	80	634000	3510	DFT-s-OFDM 64 QAM	108@54	20.67	13.87	0.0244
78	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@1	20.64	13.84	0.0242
78	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@215	20.45	13.65	0.0232
78	30	80	634000	3510	DFT-s-OFDM 256 QAM	108@54	18.6	11.8	0.0151
78	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@1	18.21	11.41	0.0138
78	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@215	18.02	11.22	0.0132
78	30	80	634000	3510	CP-OFDM QPSK	109@54	21.65	14.85	0.0305
78	30	80	634000	3510	CP-OFDM QPSK	1@1	21.73	14.93	0.0311
78	30	80	634000	3510	CP-OFDM QPSK	1@215	21.34	14.54	0.0284
78	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	120@60	23.06	16.26	0.0423
78	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@1	23.21	16.41	0.0438
78	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@243	23.03	16.23	0.0420
78	30	90	633000	3495	DFT-s-OFDM QPSK	120@60	23.1	16.3	0.0427
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	23.24	16.44	0.0441
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@243	22.98	16.18	0.0415
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	120@60	22.23	15.43	0.0349

78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	22.43	15.63	0.0366
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@243	22.15	15.35	0.0343
78	30	90	633000	3495	DFT-s-OFDM 64 QAM	120@60	20.63	13.83	0.0242
78	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@1	20.89	14.09	0.0256
78	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@243	20.69	13.89	0.0245
78	30	90	633000	3495	DFT-s-OFDM 256 QAM	120@60	18.61	11.81	0.0152
78	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@1	18.44	11.64	0.0146
78	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@243	18.04	11.24	0.0133
78	30	90	633000	3495	CP-OFDM QPSK	123@61	21.7	14.9	0.0309
78	30	90	633000	3495	CP-OFDM QPSK	1@1	21.85	15.05	0.0320
78	30	90	633000	3495	CP-OFDM QPSK	1@243	21.5	14.7	0.0295
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	120@60	23.08	16.28	0.0425
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.05	16.25	0.0422
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@243	22.84	16.04	0.0402
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	120@60	23.15	16.35	0.0432
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.07	16.27	0.0424
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@243	22.85	16.05	0.0403
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	120@60	21.98	15.18	0.0330
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.17	15.37	0.0344
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@243	22	15.2	0.0331
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	120@60	20.66	13.86	0.0243
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.55	13.75	0.0237
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@243	20.51	13.71	0.0235
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	120@60	18.65	11.85	0.0153

78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.34	11.54	0.0143
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@243	18.15	11.35	0.0136
78	30	90	633334	3500.01	CP-OFDM QPSK	123@61	21.65	14.85	0.0305
78	30	90	633334	3500.01	CP-OFDM QPSK	1@1	21.68	14.88	0.0308
78	30	90	633334	3500.01	CP-OFDM QPSK	1@243	21.42	14.62	0.0290
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	120@60	23.13	16.33	0.0430
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@1	23.13	16.33	0.0430
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@243	22.97	16.17	0.0414
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	120@60	23.14	16.34	0.0431
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	23.15	16.35	0.0432
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@243	22.95	16.15	0.0412
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	120@60	22.19	15.39	0.0346
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	22.27	15.47	0.0352
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@243	22.06	15.26	0.0336
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	120@60	20.68	13.88	0.0244
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@1	20.68	13.88	0.0244
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@243	20.51	13.71	0.0235
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	120@60	18.64	11.84	0.0153
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@1	18.26	11.46	0.0140
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@243	17.97	11.17	0.0131
78	30	90	633666	3504.99	CP-OFDM QPSK	123@61	21.72	14.92	0.0310
78	30	90	633666	3504.99	CP-OFDM QPSK	1@1	21.69	14.89	0.0308
78	30	90	633666	3504.99	CP-OFDM QPSK	1@243	21.45	14.65	0.0292
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	23.08	16.28	0.0425
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.22	16.42	0.0439

78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	22.93	16.13	0.0410
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	23.09	16.29	0.0426
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.15	16.35	0.0432
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	22.87	16.07	0.0405
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	21.99	15.19	0.0330
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.32	15.52	0.0356
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	22.01	15.21	0.0332
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	20.63	13.83	0.0242
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.94	14.14	0.0259
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	20.66	13.86	0.0243
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	18.63	11.83	0.0152
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.44	11.64	0.0146
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	18.08	11.28	0.0134
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	21.67	14.87	0.0307
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	21.73	14.93	0.0311
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	21.39	14.59	0.0288

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	KuangJia/WenBo Xiao	Temperature :	22~25℃
		Relative Humidity :	48~52%

n77 SA / NR 40MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6940.02	-59.45	-13	-46.45	-64.44	-65.01	7.14	12.70	H
	10410.03	-55.53	-13	-42.53	-65.98	-58.83	8.30	11.60	H
	13880.04	-57.33	-13	-44.33	-68.65	-58.85	10.48	12.00	H
	6940.02	-59.09	-13	-46.09	-64.36	-64.65	7.14	12.70	V
	10410.03	-56.70	-13	-43.70	-66.26	-60.00	8.30	11.60	V
	13880.04	-56.99	-13	-43.99	-68.67	-58.51	10.48	12.00	V

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

EN-DC_2A_n77A / LTE 20MHz + NR 100MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n77 Middle	7000.02	-58.45	-13	-45.45	-63.57	-64.01	7.14	12.70	H
	10500.03	-55.30	-13	-42.30	-65.86	-58.60	8.30	11.60	H
	14000.04	-56.58	-13	-43.58	-67.54	-58.10	10.48	12.00	H
	7000.02	-58.67	-13	-45.67	-63.97	-64.23	7.14	12.70	V
	10500.03	-56.36	-13	-43.36	-66.16	-59.66	8.30	11.60	V
	14004.04	-55.71	-13	-42.71	-67.5	-57.23	10.48	12.00	V
LTE Band 2 Middle	3742.18	-64.02	-13	-51.02	-61.13	-70.77	5.85	12.60	H
	5613.27	-57.81	-13	-44.81	-60.55	-63.61	7.30	13.10	H
	7484.36	-58.82	-13	-45.82	-65.04	-61.97	8.35	11.50	H
	3742.18	-64.56	-13	-51.56	-61.29	-71.31	5.85	12.60	V
	5613.27	-58.84	-13	-45.84	-61.06	-64.64	7.30	13.10	V
	7484.36	-58.64	-13	-45.64	-65.25	-61.79	8.35	11.50	V

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

——— THE END ———