

FR1 N78+2A-15K(Ant 3+2)

Transmitter Conducted Output Power And EIRP, (GT-LC)=-6.8dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	15	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	25@12	23.36	16.56	0.0453
78	15	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@1	23.13	16.33	0.0430
78	15	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@50	23.17	16.37	0.0434
78	15	10	630334	3455.01	DFT-s-OFDM QPSK	25@12	23.37	16.57	0.0454
78	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	23.29	16.49	0.0446
78	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@50	23.34	16.54	0.0451
78	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	25@12	23.03	16.23	0.0420
78	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	22.89	16.09	0.0406
78	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@50	23.09	16.29	0.0426
78	15	10	630334	3455.01	DFT-s-OFDM 64 QAM	25@12	21.57	14.77	0.0300
78	15	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@1	21.47	14.67	0.0293
78	15	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@50	21.55	14.75	0.0299
78	15	10	630334	3455.01	DFT-s-OFDM 256 QAM	25@12	19.49	12.69	0.0186
78	15	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@1	19.4	12.6	0.0182
78	15	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@50	19.25	12.45	0.0176
78	15	10	630334	3455.01	CP-OFDM QPSK	26@13	22.45	15.65	0.0367
78	15	10	630334	3455.01	CP-OFDM QPSK	1@1	22.87	16.07	0.0405
78	15	10	630334	3455.01	CP-OFDM QPSK	1@50	22.95	16.15	0.0412
78	15	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	23.38	16.58	0.0455
78	15	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.28	16.48	0.0445
78	15	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@50	23.19	16.39	0.0436

78	15	10	633334	3500.01	DFT-s-OFDM QPSK	25@12	23.4	16.6	0.0457
78	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.48	16.68	0.0466
78	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@50	23.34	16.54	0.0451
78	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	23.14	16.34	0.0431
78	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.09	16.29	0.0426
78	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@50	23.11	16.31	0.0428
78	15	10	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	21.65	14.85	0.0305
78	15	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.48	14.68	0.0294
78	15	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@50	21.55	14.75	0.0299
78	15	10	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	19.52	12.72	0.0187
78	15	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	19.54	12.74	0.0188
78	15	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@50	19.36	12.56	0.0180
78	15	10	633334	3500.01	CP-OFDM QPSK	26@13	22.51	15.71	0.0372
78	15	10	633334	3500.01	CP-OFDM QPSK	1@1	23.07	16.27	0.0424
78	15	10	633334	3500.01	CP-OFDM QPSK	1@50	22.94	16.14	0.0411
78	15	10	636333	3544.995	DFT-s-OFDM PI/2 BPSK	25@12	23.44	16.64	0.0461
78	15	10	636333	3544.995	DFT-s-OFDM PI/2 BPSK	1@1	23.25	16.45	0.0442
78	15	10	636333	3544.995	DFT-s-OFDM PI/2 BPSK	1@50	23.32	16.52	0.0449
78	15	10	636333	3544.995	DFT-s-OFDM QPSK	25@12	23.49	16.69	0.0467
78	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@1	23.44	16.64	0.0461
78	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@50	23.48	16.68	0.0466
78	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	25@12	23.18	16.38	0.0435
78	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	1@1	23.07	16.27	0.0424
78	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	1@50	23.15	16.35	0.0432

78	15	10	636333	3544.995	DFT-s-OFDM 64 QAM	25@12	21.71	14.91	0.0310
78	15	10	636333	3544.995	DFT-s-OFDM 64 QAM	1@1	21.52	14.72	0.0296
78	15	10	636333	3544.995	DFT-s-OFDM 64 QAM	1@50	21.7	14.9	0.0309
78	15	10	636333	3544.995	DFT-s-OFDM 256 QAM	25@12	19.59	12.79	0.0190
78	15	10	636333	3544.995	DFT-s-OFDM 256 QAM	1@1	19.53	12.73	0.0187
78	15	10	636333	3544.995	DFT-s-OFDM 256 QAM	1@50	19.49	12.69	0.0186
78	15	10	636333	3544.995	CP-OFDM QPSK	26@13	22.58	15.78	0.0378
78	15	10	636333	3544.995	CP-OFDM QPSK	1@1	22.96	16.16	0.0413
78	15	10	636333	3544.995	CP-OFDM QPSK	1@50	23.03	16.23	0.0420
78	15	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	36@18	23.36	16.56	0.0453
78	15	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@1	23.18	16.38	0.0435
78	15	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@77	23.25	16.45	0.0442
78	15	15	630500	3457.5	DFT-s-OFDM QPSK	36@18	23.41	16.61	0.0458
78	15	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	23.36	16.56	0.0453
78	15	15	630500	3457.5	DFT-s-OFDM QPSK	1@77	23.46	16.66	0.0463
78	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	36@18	23.11	16.31	0.0428
78	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	22.97	16.17	0.0414
78	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@77	23.04	16.24	0.0421
78	15	15	630500	3457.5	DFT-s-OFDM 64 QAM	36@18	21.49	14.69	0.0294
78	15	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@1	21.31	14.51	0.0282
78	15	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@77	21.58	14.78	0.0301
78	15	15	630500	3457.5	DFT-s-OFDM 256 QAM	36@18	19.55	12.75	0.0188
78	15	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@1	19.42	12.62	0.0183
78	15	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@77	19.43	12.63	0.0183

78	15	15	630500	3457.5	CP-OFDM QPSK	39@19	22.48	15.68	0.0370
78	15	15	630500	3457.5	CP-OFDM QPSK	1@1	22.88	16.08	0.0406
78	15	15	630500	3457.5	CP-OFDM QPSK	1@77	23.05	16.25	0.0422
78	15	15	633334	3500.01	DFT-s- OFDM PI/2 BPSK	36@18	23.44	16.64	0.0461
78	15	15	633334	3500.01	DFT-s- OFDM PI/2 BPSK	1@1	23.34	16.54	0.0451
78	15	15	633334	3500.01	DFT-s- OFDM PI/2 BPSK	1@77	23.16	16.36	0.0433
78	15	15	633334	3500.01	DFT-s- OFDM QPSK	36@18	23.48	16.68	0.0466
78	15	15	633334	3500.01	DFT-s- OFDM QPSK	1@1	23.51	16.71	0.0469
78	15	15	633334	3500.01	DFT-s- OFDM QPSK	1@77	23.34	16.54	0.0451
78	15	15	633334	3500.01	DFT-s- OFDM 16 QAM	36@18	23.14	16.34	0.0431
78	15	15	633334	3500.01	DFT-s- OFDM 16 QAM	1@1	23.16	16.36	0.0433
78	15	15	633334	3500.01	DFT-s- OFDM 16 QAM	1@77	22.95	16.15	0.0412
78	15	15	633334	3500.01	DFT-s- OFDM 64 QAM	36@18	21.57	14.77	0.0300
78	15	15	633334	3500.01	DFT-s- OFDM 64 QAM	1@1	21.48	14.68	0.0294
78	15	15	633334	3500.01	DFT-s- OFDM 64 QAM	1@77	21.53	14.73	0.0297
78	15	15	633334	3500.01	DFT-s- OFDM 256 QAM	36@18	19.62	12.82	0.0191
78	15	15	633334	3500.01	DFT-s- OFDM 256 QAM	1@1	19.63	12.83	0.0192
78	15	15	633334	3500.01	DFT-s- OFDM 256 QAM	1@77	19.42	12.62	0.0183
78	15	15	633334	3500.01	CP-OFDM QPSK	39@19	22.49	15.69	0.0371
78	15	15	633334	3500.01	CP-OFDM QPSK	1@1	23.04	16.24	0.0421
78	15	15	633334	3500.01	CP-OFDM QPSK	1@77	22.91	16.11	0.0408
78	15	15	636166	3542.49	DFT-s- OFDM PI/2 BPSK	36@18	23.4	16.6	0.0457
78	15	15	636166	3542.49	DFT-s- OFDM PI/2 BPSK	1@1	23.26	16.46	0.0443
78	15	15	636166	3542.49	DFT-s- OFDM PI/2 BPSK	1@77	23.33	16.53	0.0450
78	15	15	636166	3542.49	DFT-s- OFDM QPSK	36@18	23.43	16.63	0.0460

78	15	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	23.47	16.67	0.0465
78	15	15	636166	3542.49	DFT-s-OFDM QPSK	1@77	23.49	16.69	0.0467
78	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	36@18	23.16	16.36	0.0433
78	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	23.13	16.33	0.0430
78	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@77	23.06	16.26	0.0423
78	15	15	636166	3542.49	DFT-s-OFDM 64 QAM	36@18	21.57	14.77	0.0300
78	15	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@1	21.5	14.7	0.0295
78	15	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@77	21.66	14.86	0.0306
78	15	15	636166	3542.49	DFT-s-OFDM 256 QAM	36@18	19.6	12.8	0.0191
78	15	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@1	19.5	12.7	0.0186
78	15	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@77	19.49	12.69	0.0186
78	15	15	636166	3542.49	CP-OFDM QPSK	39@19	22.51	15.71	0.0372
78	15	15	636166	3542.49	CP-OFDM QPSK	1@1	23.02	16.22	0.0419
78	15	15	636166	3542.49	CP-OFDM QPSK	1@77	23.06	16.26	0.0423
78	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	50@25	23.42	16.62	0.0459
78	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	1@1	23.22	16.42	0.0439
78	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	1@104	23.35	16.55	0.0452
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	50@25	23.42	16.62	0.0459
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@1	23.37	16.57	0.0454
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@104	23.52	16.72	0.0470
78	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	50@25	23.11	16.31	0.0428
78	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	1@1	22.93	16.13	0.0410
78	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	1@104	23.05	16.25	0.0422
78	15	20	630667	3460.005	DFT-s-OFDM 64 QAM	50@25	21.61	14.81	0.0303

78	15	20	630667	3460.005	DFT-s-OFDM 64 QAM	1@1	21.41	14.61	0.0289
78	15	20	630667	3460.005	DFT-s-OFDM 64 QAM	1@104	21.56	14.76	0.0299
78	15	20	630667	3460.005	DFT-s-OFDM 256 QAM	50@25	19.5	12.7	0.0186
78	15	20	630667	3460.005	DFT-s-OFDM 256 QAM	1@1	19.25	12.45	0.0176
78	15	20	630667	3460.005	DFT-s-OFDM 256 QAM	1@104	19.62	12.82	0.0191
78	15	20	630667	3460.005	CP-OFDM QPSK	53@26	22.53	15.73	0.0374
78	15	20	630667	3460.005	CP-OFDM QPSK	1@1	22.96	16.16	0.0413
78	15	20	630667	3460.005	CP-OFDM QPSK	1@104	23.19	16.39	0.0436
78	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	23.41	16.61	0.0458
78	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.35	16.55	0.0452
78	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	23.15	16.35	0.0432
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	50@25	23.43	16.63	0.0460
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.55	16.75	0.0473
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@104	23.3	16.5	0.0447
78	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	23.13	16.33	0.0430
78	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.08	16.28	0.0425
78	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	22.82	16.02	0.0400
78	15	20	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	21.59	14.79	0.0301
78	15	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.56	14.76	0.0299
78	15	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	21.3	14.5	0.0282
78	15	20	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	19.56	12.76	0.0189
78	15	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	19.5	12.7	0.0186
78	15	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	19.49	12.69	0.0186
78	15	20	633334	3500.01	CP-OFDM QPSK	53@26	22.52	15.72	0.0373
78	15	20	633334	3500.01	CP-OFDM QPSK	1@1	23.12	16.32	0.0429

78	15	20	633334	3500.01	CP-OFDM QPSK	1@104	22.87	16.07	0.0405
78	15	20	636000	3540	DFT-s- OFDM PI/2 BPSK	50@25	23.41	16.61	0.0458
78	15	20	636000	3540	DFT-s- OFDM PI/2 BPSK	1@1	23.29	16.49	0.0446
78	15	20	636000	3540	DFT-s- OFDM PI/2 BPSK	1@104	23.3	16.5	0.0447
78	15	20	636000	3540	DFT-s- OFDM QPSK	50@25	23.44	16.64	0.0461
78	15	20	636000	3540	DFT-s- OFDM QPSK	1@1	23.42	16.62	0.0459
78	15	20	636000	3540	DFT-s- OFDM QPSK	1@104	23.5	16.7	0.0468
78	15	20	636000	3540	DFT-s- OFDM 16 QAM	50@25	23.1	16.3	0.0427
78	15	20	636000	3540	DFT-s- OFDM 16 QAM	1@1	23.07	16.27	0.0424
78	15	20	636000	3540	DFT-s- OFDM 16 QAM	1@104	23.11	16.31	0.0428
78	15	20	636000	3540	DFT-s- OFDM 64 QAM	50@25	21.59	14.79	0.0301
78	15	20	636000	3540	DFT-s- OFDM 64 QAM	1@1	21.56	14.76	0.0299
78	15	20	636000	3540	DFT-s- OFDM 64 QAM	1@104	21.57	14.77	0.0300
78	15	20	636000	3540	DFT-s- OFDM 256 QAM	50@25	19.55	12.75	0.0188
78	15	20	636000	3540	DFT-s- OFDM 256 QAM	1@1	19.41	12.61	0.0182
78	15	20	636000	3540	DFT-s- OFDM 256 QAM	1@104	19.66	12.86	0.0193
78	15	20	636000	3540	CP-OFDM QPSK	53@26	22.54	15.74	0.0375
78	15	20	636000	3540	CP-OFDM QPSK	1@1	23.04	16.24	0.0421
78	15	20	636000	3540	CP-OFDM QPSK	1@104	23.07	16.27	0.0424
78	15	25	630834	3462.51	DFT-s- OFDM PI/2 BPSK	64@32	23.31	16.51	0.0448
78	15	25	630834	3462.51	DFT-s- OFDM PI/2 BPSK	1@1	23.15	16.35	0.0432
78	15	25	630834	3462.51	DFT-s- OFDM PI/2 BPSK	1@131	23.37	16.57	0.0454
78	15	25	630834	3462.51	DFT-s- OFDM QPSK	64@32	23.32	16.52	0.0449
78	15	25	630834	3462.51	DFT-s- OFDM QPSK	1@1	23.32	16.52	0.0449
78	15	25	630834	3462.51	DFT-s- OFDM	1@131	23.47	16.67	0.0465

QPSK									
78	15	25	630834	3462.51	DFT-s-OFDM 16 QAM	64@32	23.05	16.25	0.0422
78	15	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	23.2	16.4	0.0437
78	15	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@131	22.99	16.19	0.0416
78	15	25	630834	3462.51	DFT-s-OFDM 64 QAM	64@32	21.48	14.68	0.0294
78	15	25	630834	3462.51	DFT-s-OFDM 64 QAM	1@1	21.48	14.68	0.0294
78	15	25	630834	3462.51	DFT-s-OFDM 64 QAM	1@131	21.64	14.84	0.0305
78	15	25	630834	3462.51	DFT-s-OFDM 256 QAM	64@32	19.43	12.63	0.0183
78	15	25	630834	3462.51	DFT-s-OFDM 256 QAM	1@1	19.31	12.51	0.0178
78	15	25	630834	3462.51	DFT-s-OFDM 256 QAM	1@131	19.64	12.84	0.0192
78	15	25	630834	3462.51	CP-OFDM QPSK	67@33	22.51	15.71	0.0372
78	15	25	630834	3462.51	CP-OFDM QPSK	1@1	22.83	16.03	0.0401
78	15	25	630834	3462.51	CP-OFDM QPSK	1@131	23.16	16.36	0.0433
78	15	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@32	23.32	16.52	0.0449
78	15	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.39	16.59	0.0456
78	15	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@131	23.09	16.29	0.0426
78	15	25	633334	3500.01	DFT-s-OFDM QPSK	64@32	23.36	16.56	0.0453
78	15	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.52	16.72	0.0470
78	15	25	633334	3500.01	DFT-s-OFDM QPSK	1@131	23.22	16.42	0.0439
78	15	25	633334	3500.01	DFT-s-OFDM 16 QAM	64@32	23.11	16.31	0.0428
78	15	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.16	16.36	0.0433
78	15	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@131	22.68	15.88	0.0387
78	15	25	633334	3500.01	DFT-s-OFDM 64 QAM	64@32	21.51	14.71	0.0296
78	15	25	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.72	14.92	0.0310
78	15	25	633334	3500.01	DFT-s-OFDM 64 QAM	1@131	21.18	14.38	0.0274

QAM									
78	15	25	633334	3500.01	DFT-s-OFDM 256 QAM	64@32	19.47	12.67	0.0185
78	15	25	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	19.43	12.63	0.0183
78	15	25	633334	3500.01	DFT-s-OFDM 256 QAM	1@131	19.2	12.4	0.0174
78	15	25	633334	3500.01	CP-OFDM QPSK	67@33	22.48	15.68	0.0370
78	15	25	633334	3500.01	CP-OFDM QPSK	1@1	22.95	16.15	0.0412
78	15	25	633334	3500.01	CP-OFDM QPSK	1@131	22.68	15.88	0.0387
78	15	25	635833	3537.495	DFT-s-OFDM PI/2 BPSK	64@32	23.32	16.52	0.0449
78	15	25	635833	3537.495	DFT-s-OFDM PI/2 BPSK	1@1	23.17	16.37	0.0434
78	15	25	635833	3537.495	DFT-s-OFDM PI/2 BPSK	1@131	23.34	16.54	0.0451
78	15	25	635833	3537.495	DFT-s-OFDM QPSK	64@32	23.38	16.58	0.0455
78	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@1	23.19	16.39	0.0436
78	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@131	23.33	16.53	0.0450
78	15	25	635833	3537.495	DFT-s-OFDM 16 QAM	64@32	23.09	16.29	0.0426
78	15	25	635833	3537.495	DFT-s-OFDM 16 QAM	1@1	22.84	16.04	0.0402
78	15	25	635833	3537.495	DFT-s-OFDM 16 QAM	1@131	22.99	16.19	0.0416
78	15	25	635833	3537.495	DFT-s-OFDM 64 QAM	64@32	21.47	14.67	0.0293
78	15	25	635833	3537.495	DFT-s-OFDM 64 QAM	1@1	21.35	14.55	0.0285
78	15	25	635833	3537.495	DFT-s-OFDM 64 QAM	1@131	21.54	14.74	0.0298
78	15	25	635833	3537.495	DFT-s-OFDM 256 QAM	64@32	19.45	12.65	0.0184
78	15	25	635833	3537.495	DFT-s-OFDM 256 QAM	1@1	19.28	12.48	0.0177
78	15	25	635833	3537.495	DFT-s-OFDM 256 QAM	1@131	19.24	12.44	0.0175
78	15	25	635833	3537.495	CP-OFDM QPSK	67@33	22.5	15.7	0.0372
78	15	25	635833	3537.495	CP-OFDM QPSK	1@1	22.75	15.95	0.0394
78	15	25	635833	3537.495	CP-OFDM QPSK	1@131	22.88	16.08	0.0406

78	15	30	631000	3465	DFT-s-OFDM PI/2 BPSK	80@40	23.44	16.64	0.0461
78	15	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@1	23.16	16.36	0.0433
78	15	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@158	23.33	16.53	0.0450
78	15	30	631000	3465	DFT-s-OFDM QPSK	80@40	23.45	16.65	0.0462
78	15	30	631000	3465	DFT-s-OFDM QPSK	1@1	23.21	16.41	0.0438
78	15	30	631000	3465	DFT-s-OFDM QPSK	1@158	23.25	16.45	0.0442
78	15	30	631000	3465	DFT-s-OFDM 16 QAM	80@40	23.13	16.33	0.0430
78	15	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	22.8	16	0.0398
78	15	30	631000	3465	DFT-s-OFDM 16 QAM	1@158	22.83	16.03	0.0401
78	15	30	631000	3465	DFT-s-OFDM 64 QAM	80@40	21.61	14.81	0.0303
78	15	30	631000	3465	DFT-s-OFDM 64 QAM	1@1	21.29	14.49	0.0281
78	15	30	631000	3465	DFT-s-OFDM 64 QAM	1@158	21.56	14.76	0.0299
78	15	30	631000	3465	DFT-s-OFDM 256 QAM	80@40	19.59	12.79	0.0190
78	15	30	631000	3465	DFT-s-OFDM 256 QAM	1@1	19.05	12.25	0.0168
78	15	30	631000	3465	DFT-s-OFDM 256 QAM	1@158	19.33	12.53	0.0179
78	15	30	631000	3465	CP-OFDM QPSK	80@40	22.52	15.72	0.0373
78	15	30	631000	3465	CP-OFDM QPSK	1@1	22.47	15.67	0.0369
78	15	30	631000	3465	CP-OFDM QPSK	1@158	22.6	15.8	0.0380
78	15	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	80@40	23.43	16.63	0.0460
78	15	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.32	16.52	0.0449
78	15	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@158	23.05	16.25	0.0422
78	15	30	633334	3500.01	DFT-s-OFDM QPSK	80@40	23.45	16.65	0.0462
78	15	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.38	16.58	0.0455
78	15	30	633334	3500.01	DFT-s-OFDM QPSK	1@158	23.1	16.3	0.0427

78	15	30	633334	3500.01	DFT-s-OFDM 16 QAM	80@40	23.16	16.36	0.0433
78	15	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.23	16.43	0.0440
78	15	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@158	22.39	15.59	0.0362
78	15	30	633334	3500.01	DFT-s-OFDM 64 QAM	80@40	21.61	14.81	0.0303
78	15	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.75	14.95	0.0313
78	15	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@158	21.05	14.25	0.0266
78	15	30	633334	3500.01	DFT-s-OFDM 256 QAM	80@40	19.56	12.76	0.0189
78	15	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	19.59	12.79	0.0190
78	15	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@158	19.01	12.21	0.0166
78	15	30	633334	3500.01	CP-OFDM QPSK	80@40	22.55	15.75	0.0376
78	15	30	633334	3500.01	CP-OFDM QPSK	1@1	23.03	16.23	0.0420
78	15	30	633334	3500.01	CP-OFDM QPSK	1@158	22.58	15.78	0.0378
78	15	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	80@40	23.4	16.6	0.0457
78	15	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	23.16	16.36	0.0433
78	15	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@158	23.35	16.55	0.0452
78	15	30	635666	3534.99	DFT-s-OFDM QPSK	80@40	23.47	16.67	0.0465
78	15	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	23.36	16.56	0.0453
78	15	30	635666	3534.99	DFT-s-OFDM QPSK	1@158	23.47	16.67	0.0465
78	15	30	635666	3534.99	DFT-s-OFDM 16 QAM	80@40	23.13	16.33	0.0430
78	15	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	23	16.2	0.0417
78	15	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@158	23.04	16.24	0.0421
78	15	30	635666	3534.99	DFT-s-OFDM 64 QAM	80@40	21.61	14.81	0.0303
78	15	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@1	21.42	14.62	0.0290
78	15	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@158	21.63	14.83	0.0304

78	15	30	635666	3534.99	DFT-s-OFDM 256 QAM	80@40	19.59	12.79	0.0190
78	15	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@1	19.44	12.64	0.0184
78	15	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@158	19.58	12.78	0.0190
78	15	30	635666	3534.99	CP-OFDM QPSK	80@40	22.56	15.76	0.0377
78	15	30	635666	3534.99	CP-OFDM QPSK	1@1	22.95	16.15	0.0412
78	15	30	635666	3534.99	CP-OFDM QPSK	1@158	22.95	16.15	0.0412
78	15	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	108@54	23.48	16.68	0.0466
78	15	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	23.17	16.37	0.0434
78	15	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@214	23.24	16.44	0.0441
78	15	40	631334	3470.01	DFT-s-OFDM QPSK	108@54	23.44	16.64	0.0461
78	15	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	23.33	16.53	0.0450
78	15	40	631334	3470.01	DFT-s-OFDM QPSK	1@214	23.41	16.61	0.0458
78	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	108@54	23.22	16.42	0.0439
78	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	22.98	16.18	0.0415
78	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@214	23.16	16.36	0.0433
78	15	40	631334	3470.01	DFT-s-OFDM 64 QAM	108@54	21.65	14.85	0.0305
78	15	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	21.43	14.63	0.0290
78	15	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@214	21.61	14.81	0.0303
78	15	40	631334	3470.01	DFT-s-OFDM 256 QAM	108@54	19.64	12.84	0.0192
78	15	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	19.44	12.64	0.0184
78	15	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@214	19.55	12.75	0.0188
78	15	40	631334	3470.01	CP-OFDM QPSK	108@54	22.63	15.83	0.0383
78	15	40	631334	3470.01	CP-OFDM QPSK	1@1	22.84	16.04	0.0402
78	15	40	631334	3470.01	CP-OFDM QPSK	1@214	22.8	16	0.0398
78	15	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	108@54	23.38	16.58	0.0455

78	15	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.41	16.61	0.0458
78	15	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@214	23	16.2	0.0417
78	15	40	633334	3500.01	DFT-s-OFDM QPSK	108@54	23.41	16.61	0.0458
78	15	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.58	16.78	0.0476
78	15	40	633334	3500.01	DFT-s-OFDM QPSK	1@214	23.15	16.35	0.0432
78	15	40	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	23.13	16.33	0.0430
78	15	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.24	16.44	0.0441
78	15	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@214	22.8	16	0.0398
78	15	40	633334	3500.01	DFT-s-OFDM 64 QAM	108@54	21.57	14.77	0.0300
78	15	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.6	14.8	0.0302
78	15	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@214	21.37	14.57	0.0286
78	15	40	633334	3500.01	DFT-s-OFDM 256 QAM	108@54	19.57	12.77	0.0189
78	15	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	19.66	12.86	0.0193
78	15	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@214	19.34	12.54	0.0179
78	15	40	633334	3500.01	CP-OFDM QPSK	108@54	22.56	15.76	0.0377
78	15	40	633334	3500.01	CP-OFDM QPSK	1@1	23.06	16.26	0.0423
78	15	40	633334	3500.01	CP-OFDM QPSK	1@214	22.38	15.58	0.0361
78	15	40	635333	3529.995	DFT-s-OFDM PI/2 BPSK	108@54	23.39	16.59	0.0456
78	15	40	635333	3529.995	DFT-s-OFDM PI/2 BPSK	1@1	23.13	16.33	0.0430
78	15	40	635333	3529.995	DFT-s-OFDM PI/2 BPSK	1@214	23.25	16.45	0.0442
78	15	40	635333	3529.995	DFT-s-OFDM QPSK	108@54	23.39	16.59	0.0456
78	15	40	635333	3529.995	DFT-s-OFDM QPSK	1@1	23.26	16.46	0.0443
78	15	40	635333	3529.995	DFT-s-OFDM QPSK	1@214	23.34	16.54	0.0451
78	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	108@54	23.07	16.27	0.0424

78	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	1@1	22.84	16.04	0.0402
78	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	1@214	23.11	16.31	0.0428
78	15	40	635333	3529.995	DFT-s-OFDM 64 QAM	108@54	21.56	14.76	0.0299
78	15	40	635333	3529.995	DFT-s-OFDM 64 QAM	1@1	21.22	14.42	0.0277
78	15	40	635333	3529.995	DFT-s-OFDM 64 QAM	1@214	21.58	14.78	0.0301
78	15	40	635333	3529.995	DFT-s-OFDM 256 QAM	108@54	19.49	12.69	0.0186
78	15	40	635333	3529.995	DFT-s-OFDM 256 QAM	1@1	19.21	12.41	0.0174
78	15	40	635333	3529.995	DFT-s-OFDM 256 QAM	1@214	19.55	12.75	0.0188
78	15	40	635333	3529.995	CP-OFDM QPSK	108@54	22.51	15.71	0.0372
78	15	40	635333	3529.995	CP-OFDM QPSK	1@1	22.84	16.04	0.0402
78	15	40	635333	3529.995	CP-OFDM QPSK	1@214	22.73	15.93	0.0392
78	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	135@67	23.47	16.67	0.0465
78	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@1	23.14	16.34	0.0431
78	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@268	23.19	16.39	0.0436
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	135@67	23.49	16.69	0.0467
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@1	23.31	16.51	0.0448
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@268	23.27	16.47	0.0444
78	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	135@67	23.1	16.3	0.0427
78	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	1@1	22.71	15.91	0.0390
78	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	1@268	22.66	15.86	0.0385
78	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	135@67	21.68	14.88	0.0308
78	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	1@1	21.27	14.47	0.0280
78	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	1@268	21.33	14.53	0.0284
78	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	135@67	19.7	12.9	0.0195

78	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	1@1	19.19	12.39	0.0173
78	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	1@268	19.46	12.66	0.0185
78	15	50	631667	3475.005	CP-OFDM QPSK	135@67	22.7	15.9	0.0389
78	15	50	631667	3475.005	CP-OFDM QPSK	1@1	22.67	15.87	0.0386
78	15	50	631667	3475.005	CP-OFDM QPSK	1@268	22.57	15.77	0.0378
78	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	23.34	16.54	0.0451
78	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.39	16.59	0.0456
78	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@268	22.97	16.17	0.0414
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	135@67	23.4	16.6	0.0457
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.44	16.64	0.0461
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@268	22.9	16.1	0.0407
78	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	23.04	16.24	0.0421
78	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.84	16.04	0.0402
78	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@268	22.55	15.75	0.0376
78	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	21.56	14.76	0.0299
78	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.44	14.64	0.0291
78	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@268	20.98	14.18	0.0262
78	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	19.6	12.8	0.0191
78	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	19.2	12.4	0.0174
78	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@268	18.9	12.1	0.0162
78	15	50	633334	3500.01	CP-OFDM QPSK	135@67	22.57	15.77	0.0378
78	15	50	633334	3500.01	CP-OFDM QPSK	1@1	22.91	16.11	0.0408
78	15	50	633334	3500.01	CP-OFDM QPSK	1@268	22.41	15.61	0.0364
78	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	135@67	23.32	16.52	0.0449
78	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	23.34	16.54	0.0451

78	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@268	23.24	16.44	0.0441
78	15	50	635000	3525	DFT-s-OFDM QPSK	135@67	23.36	16.56	0.0453
78	15	50	635000	3525	DFT-s-OFDM QPSK	1@1	23.3	16.5	0.0447
78	15	50	635000	3525	DFT-s-OFDM QPSK	1@268	23.03	16.23	0.0420
78	15	50	635000	3525	DFT-s-OFDM 16 QAM	135@67	23.03	16.23	0.0420
78	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	22.74	15.94	0.0393
78	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@268	23.03	16.23	0.0420
78	15	50	635000	3525	DFT-s-OFDM 64 QAM	135@67	21.55	14.75	0.0299
78	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	21.28	14.48	0.0281
78	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@268	21.12	14.32	0.0270
78	15	50	635000	3525	DFT-s-OFDM 256 QAM	135@67	19.54	12.74	0.0188
78	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	19.16	12.36	0.0172
78	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@268	19.11	12.31	0.0170
78	15	50	635000	3525	CP-OFDM QPSK	135@67	22.53	15.73	0.0374
78	15	50	635000	3525	CP-OFDM QPSK	1@1	22.63	15.83	0.0383
78	15	50	635000	3525	CP-OFDM QPSK	1@268	22.5	15.7	0.0372

FR1 N78-30K(Ant 3)

Transmitter Conducted Output Power And EIRP, (GT-LC)=-6.8dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	12@6	22.35	15.55	0.0359
78	30	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@1	22.45	15.65	0.0367
78	30	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@22	22.44	15.64	0.0366
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	12@6	22.53	15.73	0.0374
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	22.43	15.63	0.0366
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@22	22.47	15.67	0.0369
78	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	12@6	21.58	14.78	0.0301
78	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	21.58	14.78	0.0301
78	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@22	21.58	14.78	0.0301
78	30	10	630334	3455.01	DFT-s-OFDM 64 QAM	12@6	20.05	13.25	0.0211
78	30	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@1	20.1	13.3	0.0214
78	30	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@22	20.12	13.32	0.0215
78	30	10	630334	3455.01	DFT-s-OFDM 256 QAM	12@6	18.06	11.26	0.0134
78	30	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@1	17.81	11.01	0.0126
78	30	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@22	17.96	11.16	0.0131
78	30	10	630334	3455.01	CP-OFDM QPSK	12@6	21.1	14.3	0.0269
78	30	10	630334	3455.01	CP-OFDM QPSK	1@1	20.28	13.48	0.0223
78	30	10	630334	3455.01	CP-OFDM QPSK	1@22	20.93	14.13	0.0259
78	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	12@6	22.67	15.87	0.0386
78	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.52	15.72	0.0373
78	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@22	22.51	15.71	0.0372

78	30	10	633334	3500.01	DFT-s-OFDM QPSK	12@6	22.62	15.82	0.0382
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.53	15.73	0.0374
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@22	22.48	15.68	0.0370
78	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	12@6	21.57	14.77	0.0300
78	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.73	14.93	0.0311
78	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@22	21.7	14.9	0.0309
78	30	10	633334	3500.01	DFT-s-OFDM 64 QAM	12@6	20.13	13.33	0.0215
78	30	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.01	13.21	0.0209
78	30	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@22	20.06	13.26	0.0212
78	30	10	633334	3500.01	DFT-s-OFDM 256 QAM	12@6	18.07	11.27	0.0134
78	30	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.05	11.25	0.0133
78	30	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@22	18.06	11.26	0.0134
78	30	10	633334	3500.01	CP-OFDM QPSK	12@6	21.09	14.29	0.0269
78	30	10	633334	3500.01	CP-OFDM QPSK	1@1	21.03	14.23	0.0265
78	30	10	633334	3500.01	CP-OFDM QPSK	1@22	20.94	14.14	0.0259
78	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	12@6	22.71	15.91	0.0390
78	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	1@1	22.64	15.84	0.0384
78	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	1@22	22.63	15.83	0.0383
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	12@6	22.66	15.86	0.0385
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	22.61	15.81	0.0381
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@22	22.6	15.8	0.0380
78	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	12@6	21.68	14.88	0.0308
78	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	21.78	14.98	0.0315
78	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@22	21.75	14.95	0.0313

78	30	10	636332	3544.98	DFT-s-OFDM 64 QAM	12@6	20.16	13.36	0.0217
78	30	10	636332	3544.98	DFT-s-OFDM 64 QAM	1@1	20.08	13.28	0.0213
78	30	10	636332	3544.98	DFT-s-OFDM 64 QAM	1@22	20.24	13.44	0.0221
78	30	10	636332	3544.98	DFT-s-OFDM 256 QAM	12@6	18.13	11.33	0.0136
78	30	10	636332	3544.98	DFT-s-OFDM 256 QAM	1@1	18.13	11.33	0.0136
78	30	10	636332	3544.98	DFT-s-OFDM 256 QAM	1@22	18.01	11.21	0.0132
78	30	10	636332	3544.98	CP-OFDM QPSK	12@6	21.26	14.46	0.0279
78	30	10	636332	3544.98	CP-OFDM QPSK	1@1	21.16	14.36	0.0273
78	30	10	636332	3544.98	CP-OFDM QPSK	1@22	21.08	14.28	0.0268
78	30	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	18@9	22.72	15.92	0.0391
78	30	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@1	22.62	15.82	0.0382
78	30	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@36	22.65	15.85	0.0385
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	18@9	22.72	15.92	0.0391
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	22.61	15.81	0.0381
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@36	22.61	15.81	0.0381
78	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	18@9	21.61	14.81	0.0303
78	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	21.77	14.97	0.0314
78	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@36	21.79	14.99	0.0316
78	30	15	630500	3457.5	DFT-s-OFDM 64 QAM	18@9	20.19	13.39	0.0218
78	30	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@1	20.08	13.28	0.0213
78	30	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@36	20.16	13.36	0.0217
78	30	15	630500	3457.5	DFT-s-OFDM 256 QAM	18@9	18.11	11.31	0.0135
78	30	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@1	17.95	11.15	0.0130
78	30	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@36	17.94	11.14	0.0130

78	30	15	630500	3457.5	CP-OFDM QPSK	19@9	21.16	14.36	0.0273
78	30	15	630500	3457.5	CP-OFDM QPSK	1@1	20.93	14.13	0.0259
78	30	15	630500	3457.5	CP-OFDM QPSK	1@36	21.01	14.21	0.0264
78	30	15	633334	3500.01	DFT-s- OFDM PI/2 BPSK	18@9	22.73	15.93	0.0392
78	30	15	633334	3500.01	DFT-s- OFDM PI/2 BPSK	1@1	22.67	15.87	0.0386
78	30	15	633334	3500.01	DFT-s- OFDM PI/2 BPSK	1@36	22.62	15.82	0.0382
78	30	15	633334	3500.01	DFT-s- OFDM QPSK	18@9	22.74	15.94	0.0393
78	30	15	633334	3500.01	DFT-s- OFDM QPSK	1@1	22.68	15.88	0.0387
78	30	15	633334	3500.01	DFT-s- OFDM QPSK	1@36	22.57	15.77	0.0378
78	30	15	633334	3500.01	DFT-s- OFDM 16 QAM	18@9	21.62	14.82	0.0303
78	30	15	633334	3500.01	DFT-s- OFDM 16 QAM	1@1	21.63	14.83	0.0304
78	30	15	633334	3500.01	DFT-s- OFDM 16 QAM	1@36	21.79	14.99	0.0316
78	30	15	633334	3500.01	DFT-s- OFDM 64 QAM	18@9	20.28	13.48	0.0223
78	30	15	633334	3500.01	DFT-s- OFDM 64 QAM	1@1	20.27	13.47	0.0222
78	30	15	633334	3500.01	DFT-s- OFDM 64 QAM	1@36	20.22	13.42	0.0220
78	30	15	633334	3500.01	DFT-s- OFDM 256 QAM	18@9	18.15	11.35	0.0136
78	30	15	633334	3500.01	DFT-s- OFDM 256 QAM	1@1	18.05	11.25	0.0133
78	30	15	633334	3500.01	DFT-s- OFDM 256 QAM	1@36	18.04	11.24	0.0133
78	30	15	633334	3500.01	CP-OFDM QPSK	19@9	21.21	14.41	0.0276
78	30	15	633334	3500.01	CP-OFDM QPSK	1@1	21.13	14.33	0.0271
78	30	15	633334	3500.01	CP-OFDM QPSK	1@36	20.97	14.17	0.0261
78	30	15	636166	3542.49	DFT-s- OFDM PI/2 BPSK	18@9	22.75	15.95	0.0394
78	30	15	636166	3542.49	DFT-s- OFDM PI/2 BPSK	1@1	22.71	15.91	0.0390
78	30	15	636166	3542.49	DFT-s- OFDM PI/2 BPSK	1@36	22.69	15.89	0.0388
78	30	15	636166	3542.49	DFT-s- OFDM QPSK	18@9	22.73	15.93	0.0392

78	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	22.72	15.92	0.0391
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@36	22.65	15.85	0.0385
78	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	18@9	21.65	14.85	0.0305
78	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	21.81	15.01	0.0317
78	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@36	21.81	15.01	0.0317
78	30	15	636166	3542.49	DFT-s-OFDM 64 QAM	18@9	20.33	13.53	0.0225
78	30	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@1	20.16	13.36	0.0217
78	30	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@36	20.21	13.41	0.0219
78	30	15	636166	3542.49	DFT-s-OFDM 256 QAM	18@9	18.22	11.42	0.0139
78	30	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@1	18.07	11.27	0.0134
78	30	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@36	18.03	11.23	0.0133
78	30	15	636166	3542.49	CP-OFDM QPSK	19@9	21.26	14.46	0.0279
78	30	15	636166	3542.49	CP-OFDM QPSK	1@1	21.04	14.24	0.0265
78	30	15	636166	3542.49	CP-OFDM QPSK	1@36	20.99	14.19	0.0262
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	25@12	22.78	15.98	0.0396
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	22.69	15.89	0.0388
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@49	22.71	15.91	0.0390
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	25@12	22.8	16	0.0398
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	22.67	15.87	0.0386
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@49	22.61	15.81	0.0381
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	25@12	21.74	14.94	0.0312
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	21.68	14.88	0.0308
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@49	21.75	14.95	0.0313
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	25@12	20.27	13.47	0.0222

78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@1	20	13.2	0.0209
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@49	20.2	13.4	0.0219
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	25@12	18.11	11.31	0.0135
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@1	17.78	10.98	0.0125
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@49	18.03	11.23	0.0133
78	30	20	630668	3460.02	CP-OFDM QPSK	25@12	21.29	14.49	0.0281
78	30	20	630668	3460.02	CP-OFDM QPSK	1@1	21.17	14.37	0.0274
78	30	20	630668	3460.02	CP-OFDM QPSK	1@49	21.09	14.29	0.0269
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	22.77	15.97	0.0395
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.69	15.89	0.0388
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@49	22.61	15.81	0.0381
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	25@12	22.71	15.91	0.0390
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.68	15.88	0.0387
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@49	22.58	15.78	0.0378
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	21.72	14.92	0.0310
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.92	15.12	0.0325
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@49	21.76	14.96	0.0313
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	20.27	13.47	0.0222
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.27	13.47	0.0222
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@49	20.16	13.36	0.0217
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	18.17	11.37	0.0137
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.08	11.28	0.0134
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@49	17.87	11.07	0.0128
78	30	20	633334	3500.01	CP-OFDM QPSK	25@12	21.18	14.38	0.0274
78	30	20	633334	3500.01	CP-OFDM QPSK	1@1	21.07	14.27	0.0267

78	30	20	633334	3500.01	CP-OFDM QPSK	1@49	21.03	14.23	0.0265
78	30	20	636000	3540	DFT-s- OFDM PI/2 BPSK	25@12	22.79	15.99	0.0397
78	30	20	636000	3540	DFT-s- OFDM PI/2 BPSK	1@1	22.71	15.91	0.0390
78	30	20	636000	3540	DFT-s- OFDM PI/2 BPSK	1@49	22.67	15.87	0.0386
78	30	20	636000	3540	DFT-s- OFDM QPSK	25@12	22.75	15.95	0.0394
78	30	20	636000	3540	DFT-s- OFDM QPSK	1@1	22.67	15.87	0.0386
78	30	20	636000	3540	DFT-s- OFDM QPSK	1@49	22.65	15.85	0.0385
78	30	20	636000	3540	DFT-s- OFDM 16 QAM	25@12	21.75	14.95	0.0313
78	30	20	636000	3540	DFT-s- OFDM 16 QAM	1@1	21.84	15.04	0.0319
78	30	20	636000	3540	DFT-s- OFDM 16 QAM	1@49	21.82	15.02	0.0318
78	30	20	636000	3540	DFT-s- OFDM 64 QAM	25@12	20.22	13.42	0.0220
78	30	20	636000	3540	DFT-s- OFDM 64 QAM	1@1	20.29	13.49	0.0223
78	30	20	636000	3540	DFT-s- OFDM 64 QAM	1@49	20.21	13.41	0.0219
78	30	20	636000	3540	DFT-s- OFDM 256 QAM	25@12	18.21	11.41	0.0138
78	30	20	636000	3540	DFT-s- OFDM 256 QAM	1@1	18.07	11.27	0.0134
78	30	20	636000	3540	DFT-s- OFDM 256 QAM	1@49	18.26	11.46	0.0140
78	30	20	636000	3540	CP-OFDM QPSK	25@12	21.23	14.43	0.0277
78	30	20	636000	3540	CP-OFDM QPSK	1@1	21.06	14.26	0.0267
78	30	20	636000	3540	CP-OFDM QPSK	1@49	21.06	14.26	0.0267
78	30	25	630834	3462.51	DFT-s- OFDM PI/2 BPSK	32@16	22.64	15.84	0.0384
78	30	25	630834	3462.51	DFT-s- OFDM PI/2 BPSK	1@1	22.64	15.84	0.0384
78	30	25	630834	3462.51	DFT-s- OFDM PI/2 BPSK	1@63	22.69	15.89	0.0388
78	30	25	630834	3462.51	DFT-s- OFDM QPSK	32@16	22.68	15.88	0.0387
78	30	25	630834	3462.51	DFT-s- OFDM QPSK	1@1	22.58	15.78	0.0378
78	30	25	630834	3462.51	DFT-s- OFDM	1@63	22.54	15.74	0.0375

QPSK									
78	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	32@16	21.63	14.83	0.0304
78	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	21.79	14.99	0.0316
78	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@63	21.8	15	0.0316
78	30	25	630834	3462.51	DFT-s-OFDM 64 QAM	32@16	20.1	13.3	0.0214
78	30	25	630834	3462.51	DFT-s-OFDM 64 QAM	1@1	20.12	13.32	0.0215
78	30	25	630834	3462.51	DFT-s-OFDM 64 QAM	1@63	20.14	13.34	0.0216
78	30	25	630834	3462.51	DFT-s-OFDM 256 QAM	32@16	18.1	11.3	0.0135
78	30	25	630834	3462.51	DFT-s-OFDM 256 QAM	1@1	18.05	11.25	0.0133
78	30	25	630834	3462.51	DFT-s-OFDM 256 QAM	1@63	17.98	11.18	0.0131
78	30	25	630834	3462.51	CP-OFDM QPSK	33@16	21.08	14.28	0.0268
78	30	25	630834	3462.51	CP-OFDM QPSK	1@1	20.97	14.17	0.0261
78	30	25	630834	3462.51	CP-OFDM QPSK	1@63	21.27	14.47	0.0280
78	30	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	32@16	22.73	15.93	0.0392
78	30	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.72	15.92	0.0391
78	30	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@63	22.7	15.9	0.0389
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	32@16	22.67	15.87	0.0386
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.68	15.88	0.0387
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@63	22.6	15.8	0.0380
78	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	32@16	21.64	14.84	0.0305
78	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.86	15.06	0.0321
78	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@63	21.71	14.91	0.0310
78	30	25	633334	3500.01	DFT-s-OFDM 64 QAM	32@16	20.16	13.36	0.0217
78	30	25	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.42	13.62	0.0230
78	30	25	633334	3500.01	DFT-s-OFDM 64	1@63	19.96	13.16	0.0207

QAM									
78	30	25	633334	3500.01	DFT-s-OFDM 256 QAM	32@16	18.2	11.4	0.0138
78	30	25	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	17.77	10.97	0.0125
78	30	25	633334	3500.01	DFT-s-OFDM 256 QAM	1@63	18.22	11.42	0.0139
78	30	25	633334	3500.01	CP-OFDM QPSK	33@16	21.12	14.32	0.0270
78	30	25	633334	3500.01	CP-OFDM QPSK	1@1	21.29	14.49	0.0281
78	30	25	633334	3500.01	CP-OFDM QPSK	1@63	21.17	14.37	0.0274
78	30	25	635832	3537.48	DFT-s-OFDM PI/2 BPSK	32@16	22.75	15.95	0.0394
78	30	25	635832	3537.48	DFT-s-OFDM PI/2 BPSK	1@1	22.78	15.98	0.0396
78	30	25	635832	3537.48	DFT-s-OFDM PI/2 BPSK	1@63	22.76	15.96	0.0394
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	32@16	22.78	15.98	0.0396
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@1	22.71	15.91	0.0390
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@63	22.65	15.85	0.0385
78	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	32@16	21.72	14.92	0.0310
78	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@1	21.89	15.09	0.0323
78	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@63	21.65	14.85	0.0305
78	30	25	635832	3537.48	DFT-s-OFDM 64 QAM	32@16	20.19	13.39	0.0218
78	30	25	635832	3537.48	DFT-s-OFDM 64 QAM	1@1	20.24	13.44	0.0221
78	30	25	635832	3537.48	DFT-s-OFDM 64 QAM	1@63	20.45	13.65	0.0232
78	30	25	635832	3537.48	DFT-s-OFDM 256 QAM	32@16	18.23	11.43	0.0139
78	30	25	635832	3537.48	DFT-s-OFDM 256 QAM	1@1	18.08	11.28	0.0134
78	30	25	635832	3537.48	DFT-s-OFDM 256 QAM	1@63	18.09	11.29	0.0135
78	30	25	635832	3537.48	CP-OFDM QPSK	33@16	21.12	14.32	0.0270
78	30	25	635832	3537.48	CP-OFDM QPSK	1@1	21.22	14.42	0.0277
78	30	25	635832	3537.48	CP-OFDM QPSK	1@63	21.2	14.4	0.0275

78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	36@18	22.79	15.99	0.0397
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@1	22.66	15.86	0.0385
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@76	22.7	15.9	0.0389
78	30	30	631000	3465	DFT-s-OFDM QPSK	36@18	22.73	15.93	0.0392
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	22.68	15.88	0.0387
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@76	22.7	15.9	0.0389
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	36@18	21.67	14.87	0.0307
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	21.82	15.02	0.0318
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@76	21.73	14.93	0.0311
78	30	30	631000	3465	DFT-s-OFDM 64 QAM	36@18	20.23	13.43	0.0220
78	30	30	631000	3465	DFT-s-OFDM 64 QAM	1@1	20.11	13.31	0.0214
78	30	30	631000	3465	DFT-s-OFDM 64 QAM	1@76	20.37	13.57	0.0228
78	30	30	631000	3465	DFT-s-OFDM 256 QAM	36@18	18.22	11.42	0.0139
78	30	30	631000	3465	DFT-s-OFDM 256 QAM	1@1	18.11	11.31	0.0135
78	30	30	631000	3465	DFT-s-OFDM 256 QAM	1@76	17.97	11.17	0.0131
78	30	30	631000	3465	CP-OFDM QPSK	39@19	21.2	14.4	0.0275
78	30	30	631000	3465	CP-OFDM QPSK	1@1	21.19	14.39	0.0275
78	30	30	631000	3465	CP-OFDM QPSK	1@76	21.14	14.34	0.0272
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@18	22.84	16.04	0.0402
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.77	15.97	0.0395
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@76	22.67	15.87	0.0386
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	36@18	22.75	15.95	0.0394
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.77	15.97	0.0395
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@76	22.66	15.86	0.0385

78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	36@18	21.78	14.98	0.0315
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.89	15.09	0.0323
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@76	21.85	15.05	0.0320
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	36@18	20.31	13.51	0.0224
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.33	13.53	0.0225
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@76	20.34	13.54	0.0226
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	36@18	18.3	11.5	0.0141
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.26	11.46	0.0140
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@76	18	11.2	0.0132
78	30	30	633334	3500.01	CP-OFDM QPSK	39@19	21.24	14.44	0.0278
78	30	30	633334	3500.01	CP-OFDM QPSK	1@1	21.24	14.44	0.0278
78	30	30	633334	3500.01	CP-OFDM QPSK	1@76	21.01	14.21	0.0264
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	36@18	22.87	16.07	0.0405
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	22.79	15.99	0.0397
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@76	22.72	15.92	0.0391
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	36@18	22.82	16.02	0.0400
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	22.76	15.96	0.0394
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@76	22.75	15.95	0.0394
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	36@18	21.76	14.96	0.0313
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	21.72	14.92	0.0310
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@76	21.77	14.97	0.0314
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	36@18	20.32	13.52	0.0225
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@1	20.37	13.57	0.0228
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@76	20.36	13.56	0.0227

78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	36@18	18.31	11.51	0.0142
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@1	18.24	11.44	0.0139
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@76	17.9	11.1	0.0129
78	30	30	635666	3534.99	CP-OFDM QPSK	39@19	21.27	14.47	0.0280
78	30	30	635666	3534.99	CP-OFDM QPSK	1@1	21.26	14.46	0.0279
78	30	30	635666	3534.99	CP-OFDM QPSK	1@76	21.05	14.25	0.0266
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	50@25	22.77	15.97	0.0395
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	22.67	15.87	0.0386
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@104	22.67	15.87	0.0386
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	50@25	22.77	15.97	0.0395
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	22.73	15.93	0.0392
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@104	22.66	15.86	0.0385
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	50@25	21.69	14.89	0.0308
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	21.84	15.04	0.0319
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@104	21.83	15.03	0.0318
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	50@25	20.12	13.32	0.0215
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	20.02	13.22	0.0210
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@104	20.34	13.54	0.0226
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	50@25	18.21	11.41	0.0138
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	18.16	11.36	0.0137
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@104	18.03	11.23	0.0133
78	30	40	631334	3470.01	CP-OFDM QPSK	53@26	21.19	14.39	0.0275
78	30	40	631334	3470.01	CP-OFDM QPSK	1@1	21.15	14.35	0.0272
78	30	40	631334	3470.01	CP-OFDM QPSK	1@104	21.01	14.21	0.0264
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	22.77	15.97	0.0395

78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.79	15.99	0.0397
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	22.64	15.84	0.0384
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	50@25	22.76	15.96	0.0394
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.76	15.96	0.0394
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@104	22.59	15.79	0.0379
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	21.7	14.9	0.0309
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.74	14.94	0.0312
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	21.75	14.95	0.0313
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	20.17	13.37	0.0217
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.46	13.66	0.0232
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	20.3	13.5	0.0224
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	18.25	11.45	0.0140
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	17.95	11.15	0.0130
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	18.22	11.42	0.0139
78	30	40	633334	3500.01	CP-OFDM QPSK	53@26	21.22	14.42	0.0277
78	30	40	633334	3500.01	CP-OFDM QPSK	1@1	21.29	14.49	0.0281
78	30	40	633334	3500.01	CP-OFDM QPSK	1@104	21.01	14.21	0.0264
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	50@25	22.82	16.02	0.0400
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	22.76	15.96	0.0394
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@104	22.69	15.89	0.0388
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	50@25	22.8	16	0.0398
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	22.82	16.02	0.0400
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@104	22.7	15.9	0.0389
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	50@25	21.74	14.94	0.0312

78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	21.94	15.14	0.0327
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@104	21.81	15.01	0.0317
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	50@25	20.21	13.41	0.0219
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@1	20.49	13.69	0.0234
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@104	20.32	13.52	0.0225
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	50@25	18.3	11.5	0.0141
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@1	18.14	11.34	0.0136
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@104	18.28	11.48	0.0141
78	30	40	635332	3529.98	CP-OFDM QPSK	53@26	21.28	14.48	0.0281
78	30	40	635332	3529.98	CP-OFDM QPSK	1@1	21.17	14.37	0.0274
78	30	40	635332	3529.98	CP-OFDM QPSK	1@104	21.11	14.31	0.0270
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	64@32	22.77	15.97	0.0395
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	22.73	15.93	0.0392
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@131	22.66	15.86	0.0385
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	64@32	22.73	15.93	0.0392
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	22.68	15.88	0.0387
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@131	22.67	15.87	0.0386
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	64@32	21.72	14.92	0.0310
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	21.82	15.02	0.0318
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@131	21.78	14.98	0.0315
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	64@32	20.24	13.44	0.0221
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@1	20.37	13.57	0.0228
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@131	20.34	13.54	0.0226
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	64@32	18.15	11.35	0.0136

78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@1	18.02	11.22	0.0132
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@131	18.03	11.23	0.0133
78	30	50	631668	3475.02	CP-OFDM QPSK	67@33	21.2	14.4	0.0275
78	30	50	631668	3475.02	CP-OFDM QPSK	1@1	21.05	14.25	0.0266
78	30	50	631668	3475.02	CP-OFDM QPSK	1@131	20.99	14.19	0.0262
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@32	22.83	16.03	0.0401
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.83	16.03	0.0401
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@131	22.61	15.81	0.0381
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	64@32	22.77	15.97	0.0395
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.79	15.99	0.0397
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@131	22.58	15.78	0.0378
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	64@32	21.73	14.93	0.0311
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.93	15.13	0.0326
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@131	21.75	14.95	0.0313
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	64@32	20.19	13.39	0.0218
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.5	13.7	0.0234
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@131	20.39	13.59	0.0229
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	64@32	18.26	11.46	0.0140
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.5	11.7	0.0148
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@131	18.25	11.45	0.0140
78	30	50	633334	3500.01	CP-OFDM QPSK	67@33	21.2	14.4	0.0275
78	30	50	633334	3500.01	CP-OFDM QPSK	1@1	21.2	14.4	0.0275
78	30	50	633334	3500.01	CP-OFDM QPSK	1@131	21.03	14.23	0.0265
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	64@32	22.82	16.02	0.0400
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	22.91	16.11	0.0408

78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@131	22.72	15.92	0.0391
78	30	50	635000	3525	DFT-s-OFDM QPSK	64@32	22.77	15.97	0.0395
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	22.85	16.05	0.0403
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@131	22.7	15.9	0.0389
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	64@32	21.75	14.95	0.0313
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	22.01	15.21	0.0332
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@131	21.89	15.09	0.0323
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	64@32	20.23	13.43	0.0220
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	20.53	13.73	0.0236
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@131	20.36	13.56	0.0227
78	30	50	635000	3525	DFT-s-OFDM 256 QAM	64@32	18.23	11.43	0.0139
78	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	18.06	11.26	0.0134
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	21.22	14.42	0.0277
78	30	50	635000	3525	CP-OFDM QPSK	1@1	21.19	14.39	0.0275
78	30	50	635000	3525	CP-OFDM QPSK	1@131	21.08	14.28	0.0268
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	81@40	22.82	16.02	0.0400
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@1	22.69	15.89	0.0388
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@160	22.6	15.8	0.0380
78	30	60	632000	3480	DFT-s-OFDM QPSK	81@40	22.74	15.94	0.0393
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	22.71	15.91	0.0390
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@160	22.59	15.79	0.0379
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	81@40	21.73	14.93	0.0311
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	21.88	15.08	0.0322

78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@160	21.79	14.99	0.0316
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	81@40	20.25	13.45	0.0221
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@1	20.29	13.49	0.0223
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@160	20.32	13.52	0.0225
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	81@40	18.23	11.43	0.0139
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@1	18.03	11.23	0.0133
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@160	18.1	11.3	0.0135
78	30	60	632000	3480	CP-OFDM QPSK	81@40	21.15	14.35	0.0272
78	30	60	632000	3480	CP-OFDM QPSK	1@1	21.07	14.27	0.0267
78	30	60	632000	3480	CP-OFDM QPSK	1@160	21.04	14.24	0.0265
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	81@40	22.74	15.94	0.0393
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.73	15.93	0.0392
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@160	22.56	15.76	0.0377
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	81@40	22.68	15.88	0.0387
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.69	15.89	0.0388
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@160	22.61	15.81	0.0381
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	81@40	21.69	14.89	0.0308
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.9	15.1	0.0324
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@160	21.76	14.96	0.0313
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	81@40	20.22	13.42	0.0220
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.33	13.53	0.0225
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@160	20.26	13.46	0.0222
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	81@40	18.15	11.35	0.0136
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.23	11.43	0.0139

78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@160	18.35	11.55	0.0143
78	30	60	633334	3500.01	CP-OFDM QPSK	81@40	21.17	14.37	0.0274
78	30	60	633334	3500.01	CP-OFDM QPSK	1@1	21.26	14.46	0.0279
78	30	60	633334	3500.01	CP-OFDM QPSK	1@160	21	14.2	0.0263
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	81@40	22.78	15.98	0.0396
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	22.84	16.04	0.0402
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@160	22.7	15.9	0.0389
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	81@40	22.73	15.93	0.0392
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	22.76	15.96	0.0394
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@160	22.64	15.84	0.0384
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	81@40	21.72	14.92	0.0310
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	21.94	15.14	0.0327
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@160	21.67	14.87	0.0307
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	81@40	20.22	13.42	0.0220
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@1	20.39	13.59	0.0229
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@160	20.23	13.43	0.0220
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	81@40	18.22	11.42	0.0139
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@1	17.99	11.19	0.0132
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@160	18.09	11.29	0.0135
78	30	60	634666	3519.99	CP-OFDM QPSK	81@40	21.2	14.4	0.0275
78	30	60	634666	3519.99	CP-OFDM QPSK	1@1	21.31	14.51	0.0282
78	30	60	634666	3519.99	CP-OFDM QPSK	1@160	21.11	14.31	0.0270
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	90@45	22.75	15.95	0.0394
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@1	22.56	15.76	0.0377
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@187	22.39	15.59	0.0362

78	30	70	632334	3485.01	DFT-s-OFDM QPSK	90@45	22.74	15.94	0.0393
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	22.56	15.76	0.0377
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@187	22.44	15.64	0.0366
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	90@45	21.65	14.85	0.0305
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	21.72	14.92	0.0310
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@187	21.61	14.81	0.0303
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	90@45	20.19	13.39	0.0218
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@1	20.11	13.31	0.0214
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@187	19.9	13.1	0.0204
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	90@45	18.13	11.33	0.0136
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@1	17.91	11.11	0.0129
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@187	17.73	10.93	0.0124
78	30	70	632334	3485.01	CP-OFDM QPSK	95@47	21.17	14.37	0.0274
78	30	70	632334	3485.01	CP-OFDM QPSK	1@1	21.03	14.23	0.0265
78	30	70	632334	3485.01	CP-OFDM QPSK	1@187	20.8	14	0.0251
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	90@45	22.71	15.91	0.0390
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.68	15.88	0.0387
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@187	22.47	15.67	0.0369
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	90@45	22.71	15.91	0.0390
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.62	15.82	0.0382
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@187	22.48	15.68	0.0370
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	90@45	21.66	14.86	0.0306
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.79	14.99	0.0316
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@187	21.57	14.77	0.0300

78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	90@45	20.15	13.35	0.0216
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.34	13.54	0.0226
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@187	20.07	13.27	0.0212
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	90@45	18.14	11.34	0.0136
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.14	11.34	0.0136
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@187	18.02	11.22	0.0132
78	30	70	633334	3500.01	CP-OFDM QPSK	95@47	21.15	14.35	0.0272
78	30	70	633334	3500.01	CP-OFDM QPSK	1@1	21.14	14.34	0.0272
78	30	70	633334	3500.01	CP-OFDM QPSK	1@187	20.99	14.19	0.0262
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	90@45	22.75	15.95	0.0394
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@1	22.7	15.9	0.0389
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@187	22.56	15.76	0.0377
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	90@45	22.74	15.94	0.0393
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	22.68	15.88	0.0387
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@187	22.54	15.74	0.0375
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	90@45	21.7	14.9	0.0309
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	21.84	15.04	0.0319
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@187	21.68	14.88	0.0308
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	90@45	20.2	13.4	0.0219
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@1	20.09	13.29	0.0213
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@187	20.07	13.27	0.0212
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	90@45	18.18	11.38	0.0137
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@1	18.02	11.22	0.0132
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@187	17.94	11.14	0.0130

78	30	70	634332	3514.98	CP-OFDM QPSK	95@47	21.19	14.39	0.0275
78	30	70	634332	3514.98	CP-OFDM QPSK	1@1	21.13	14.33	0.0271
78	30	70	634332	3514.98	CP-OFDM QPSK	1@187	21.06	14.26	0.0267
78	30	80	632668	3490.02	DFT-s- OFDM PI/2 BPSK	108@54	22.75	15.95	0.0394
78	30	80	632668	3490.02	DFT-s- OFDM PI/2 BPSK	1@1	22.59	15.79	0.0379
78	30	80	632668	3490.02	DFT-s- OFDM PI/2 BPSK	1@215	22.46	15.66	0.0368
78	30	80	632668	3490.02	DFT-s- OFDM QPSK	108@54	22.55	15.75	0.0376
78	30	80	632668	3490.02	DFT-s- OFDM QPSK	1@1	22.68	15.88	0.0387
78	30	80	632668	3490.02	DFT-s- OFDM QPSK	1@215	22.5	15.7	0.0372
78	30	80	632668	3490.02	DFT-s- OFDM 16 QAM	108@54	21.71	14.91	0.0310
78	30	80	632668	3490.02	DFT-s- OFDM 16 QAM	1@1	21.74	14.94	0.0312
78	30	80	632668	3490.02	DFT-s- OFDM 16 QAM	1@215	21.68	14.88	0.0308
78	30	80	632668	3490.02	DFT-s- OFDM 64 QAM	108@54	20.16	13.36	0.0217
78	30	80	632668	3490.02	DFT-s- OFDM 64 QAM	1@1	20.27	13.47	0.0222
78	30	80	632668	3490.02	DFT-s- OFDM 64 QAM	1@215	20.15	13.35	0.0216
78	30	80	632668	3490.02	DFT-s- OFDM 256 QAM	108@54	18.11	11.31	0.0135
78	30	80	632668	3490.02	DFT-s- OFDM 256 QAM	1@1	17.95	11.15	0.0130
78	30	80	632668	3490.02	DFT-s- OFDM 256 QAM	1@215	17.85	11.05	0.0127
78	30	80	632668	3490.02	CP-OFDM QPSK	109@54	21.15	14.35	0.0272
78	30	80	632668	3490.02	CP-OFDM QPSK	1@1	21.11	14.31	0.0270
78	30	80	632668	3490.02	CP-OFDM QPSK	1@215	20.86	14.06	0.0255
78	30	80	633334	3500.01	DFT-s- OFDM PI/2 BPSK	108@54	22.72	15.92	0.0391
78	30	80	633334	3500.01	DFT-s- OFDM PI/2 BPSK	1@1	22.65	15.85	0.0385
78	30	80	633334	3500.01	DFT-s- OFDM PI/2 BPSK	1@215	22.52	15.72	0.0373
78	30	80	633334	3500.01	DFT-s- OFDM QPSK	108@54	22.68	15.88	0.0387

78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.63	15.83	0.0383
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@215	22.51	15.71	0.0372
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	21.62	14.82	0.0303
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.66	14.86	0.0306
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@215	21.57	14.77	0.0300
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	108@54	20.14	13.34	0.0216
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.35	13.55	0.0226
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@215	19.68	12.88	0.0194
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	108@54	18.08	11.28	0.0134
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	17.98	11.18	0.0131
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@215	17.84	11.04	0.0127
78	30	80	633334	3500.01	CP-OFDM QPSK	109@54	21.14	14.34	0.0272
78	30	80	633334	3500.01	CP-OFDM QPSK	1@1	21.13	14.33	0.0271
78	30	80	633334	3500.01	CP-OFDM QPSK	1@215	20.97	14.17	0.0261
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	108@54	22.72	15.92	0.0391
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@1	22.66	15.86	0.0385
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@215	22.47	15.67	0.0369
78	30	80	634000	3510	DFT-s-OFDM QPSK	108@54	22.7	15.9	0.0389
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	22.63	15.83	0.0383
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@215	22.5	15.7	0.0372
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	108@54	21.62	14.82	0.0303
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	21.85	15.05	0.0320
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@215	21.67	14.87	0.0307
78	30	80	634000	3510	DFT-s-OFDM 64 QAM	108@54	20.16	13.36	0.0217

78	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@1	20.25	13.45	0.0221
78	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@215	20.16	13.36	0.0217
78	30	80	634000	3510	DFT-s-OFDM 256 QAM	108@54	18.1	11.3	0.0135
78	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@1	18.01	11.21	0.0132
78	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@215	17.74	10.94	0.0124
78	30	80	634000	3510	CP-OFDM QPSK	109@54	21.13	14.33	0.0271
78	30	80	634000	3510	CP-OFDM QPSK	1@1	21.14	14.34	0.0272
78	30	80	634000	3510	CP-OFDM QPSK	1@215	21.02	14.22	0.0264
78	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	120@60	22.67	15.87	0.0386
78	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@1	22.59	15.79	0.0379
78	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@243	22.46	15.66	0.0368
78	30	90	633000	3495	DFT-s-OFDM QPSK	120@60	22.66	15.86	0.0385
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	22.59	15.79	0.0379
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@243	22.44	15.64	0.0366
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	120@60	21.69	14.89	0.0308
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	21.71	14.91	0.0310
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@243	21.53	14.73	0.0297
78	30	90	633000	3495	DFT-s-OFDM 64 QAM	120@60	20.15	13.35	0.0216
78	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@1	19.6	12.8	0.0191
78	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@243	20.01	13.21	0.0209
78	30	90	633000	3495	DFT-s-OFDM 256 QAM	120@60	18.11	11.31	0.0135
78	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@1	17.9	11.1	0.0129
78	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@243	17.89	11.09	0.0129
78	30	90	633000	3495	CP-OFDM QPSK	123@61	21.13	14.33	0.0271
78	30	90	633000	3495	CP-OFDM QPSK	1@1	21.05	14.25	0.0266

78	30	90	633000	3495	CP-OFDM QPSK	1@243	20.85	14.05	0.0254
78	30	90	633334	3500.01	DFT-s- OFDM PI/2 BPSK	120@60	22.72	15.92	0.0391
78	30	90	633334	3500.01	DFT-s- OFDM PI/2 BPSK	1@1	22.6	15.8	0.0380
78	30	90	633334	3500.01	DFT-s- OFDM PI/2 BPSK	1@243	22.46	15.66	0.0368
78	30	90	633334	3500.01	DFT-s- OFDM QPSK	120@60	22.67	15.87	0.0386
78	30	90	633334	3500.01	DFT-s- OFDM QPSK	1@1	22.56	15.76	0.0377
78	30	90	633334	3500.01	DFT-s- OFDM QPSK	1@243	22.42	15.62	0.0365
78	30	90	633334	3500.01	DFT-s- OFDM 16 QAM	120@60	21.67	14.87	0.0307
78	30	90	633334	3500.01	DFT-s- OFDM 16 QAM	1@1	21.72	14.92	0.0310
78	30	90	633334	3500.01	DFT-s- OFDM 16 QAM	1@243	21.62	14.82	0.0303
78	30	90	633334	3500.01	DFT-s- OFDM 64 QAM	120@60	20.12	13.32	0.0215
78	30	90	633334	3500.01	DFT-s- OFDM 64 QAM	1@1	20.17	13.37	0.0217
78	30	90	633334	3500.01	DFT-s- OFDM 64 QAM	1@243	19.97	13.17	0.0207
78	30	90	633334	3500.01	DFT-s- OFDM 256 QAM	120@60	18.07	11.27	0.0134
78	30	90	633334	3500.01	DFT-s- OFDM 256 QAM	1@1	17.91	11.11	0.0129
78	30	90	633334	3500.01	DFT-s- OFDM 256 QAM	1@243	17.92	11.12	0.0129
78	30	90	633334	3500.01	CP-OFDM QPSK	123@61	21.12	14.32	0.0270
78	30	90	633334	3500.01	CP-OFDM QPSK	1@1	21.05	14.25	0.0266
78	30	90	633334	3500.01	CP-OFDM QPSK	1@243	20.77	13.97	0.0249
78	30	90	633666	3504.99	DFT-s- OFDM PI/2 BPSK	120@60	22.69	15.89	0.0388
78	30	90	633666	3504.99	DFT-s- OFDM PI/2 BPSK	1@1	22.62	15.82	0.0382
78	30	90	633666	3504.99	DFT-s- OFDM PI/2 BPSK	1@243	22.85	16.05	0.0403
78	30	90	633666	3504.99	DFT-s- OFDM QPSK	120@60	22.68	15.88	0.0387
78	30	90	633666	3504.99	DFT-s- OFDM QPSK	1@1	22.75	15.95	0.0394
78	30	90	633666	3504.99	DFT-s- OFDM	1@243	22.45	15.65	0.0367

QPSK									
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	120@60	21.67	14.87	0.0307
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	21.78	14.98	0.0315
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@243	21.62	14.82	0.0303
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	120@60	20.16	13.36	0.0217
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@1	20.27	13.47	0.0222
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@243	20.16	13.36	0.0217
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	120@60	18.11	11.31	0.0135
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@1	17.98	11.18	0.0131
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@243	17.81	11.01	0.0126
78	30	90	633666	3504.99	CP-OFDM QPSK	123@61	21.12	14.32	0.0270
78	30	90	633666	3504.99	CP-OFDM QPSK	1@1	21.16	14.36	0.0273
78	30	90	633666	3504.99	CP-OFDM QPSK	1@243	20.79	13.99	0.0251
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	22.66	15.86	0.0385
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.57	15.77	0.0378
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	22.48	15.68	0.0370
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	22.66	15.86	0.0385
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.62	15.82	0.0382
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	22.5	15.7	0.0372
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	21.64	14.84	0.0305
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.6	14.8	0.0302
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	21.5	14.7	0.0295
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	20.14	13.34	0.0216
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.25	13.45	0.0221
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	20.12	13.32	0.0215

QAM									
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	18.08	11.28	0.0134
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	17.9	11.1	0.0129
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	17.92	11.12	0.0129
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	21.12	14.32	0.0270
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	21.07	14.27	0.0267
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	20.79	13.99	0.0251

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Shiwei Wen	Temperature :	22~25°C
		Relative Humidity :	48~52%

n77 SA / NR 100MHz / QPSK / ANT3									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	6950	-59.68	-13	-46.68	-66.36	-61.15	11.95	13.42	H
	10425	-56.74	-13	-43.74	-68.55	-56.76	13.54	13.56	H
	13900	-56.13	-13	-43.13	-70.06	-55.67	15.46	15.00	H
	6950	-59.36	-13	-46.36	-66.77	-60.83	11.95	13.42	V
	10425	-55.09	-13	-42.09	-68.93	-55.11	13.54	13.56	V
	13900	-57.67	-13	-44.67	-70.62	-57.21	15.46	15.00	V
Middle	7000	-59.33	-13	-46.33	-66.10	-60.85	11.98	13.50	H
	10500	-57.00	-13	-44.00	-68.90	-57.00	13.60	13.60	H
	14000	-57.49	-13	-44.49	-71.20	-57.09	15.50	15.10	H
	7000	-59.39	-13	-46.39	-66.34	-60.91	11.98	13.50	V
	10500	-54.65	-13	-41.65	-68.87	-54.65	13.60	13.60	V
	14000	-58.27	-13	-45.27	-71.2	-57.87	15.50	15.10	V
Highest	7048	-59.90	-13	-46.90	-66.94	-61.41	12.00	13.51	H
	10572	-56.29	-13	-43.29	-68.45	-56.29	13.62	13.62	H
	14096	-56.41	-13	-43.41	-70.25	-56.02	15.53	15.14	H
	7048	-58.91	-13	-45.91	-66.62	-60.42	12.00	13.51	V
	10572	-54.12	-13	-41.12	-68.66	-54.12	13.62	13.62	V
	14096	-57.47	-13	-44.47	-70.6	-57.08	15.53	15.14	V

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

EN-DC_30A_n78A / LTE 10MHz + 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 n77 Lowest	6902.5	-53.60	-13	-40.60	-60.20	-55.07	11.95	13.42	H
	10353.75	-56.79	-13	-43.79	-68.54	-56.81	13.54	13.56	H
	13805	-54.90	-13	-41.90	-69.05	-54.44	15.46	15.00	H
	6902.5	-43.05	-13	-30.05	-50.93	-44.52	11.95	13.42	V
	10353.75	-54.77	-13	-41.77	-68.32	-54.79	13.54	13.56	V
	13805	-56.27	-13	-43.27	-69.23	-55.81	15.46	15.00	V
LTE Band 30 Lowest	4648.00	-59.42	-40	-19.42	-63.65	-65.67	6.45	12.70	H
	6972.00	-59.99	-40	-19.99	-66.70	-63.39	8.40	11.80	H
	9294.00	-60.04	-40	-20.04	-69.40	-62.39	9.65	12.00	H
	4648.00	-59.42	-40	-19.42	-63.88	-65.67	6.45	12.70	V
	6972.00	-58.62	-40	-18.62	-65.88	-62.02	8.40	11.80	V
	9294.00	-58.40	-40	-18.40	-69.65	-60.75	9.65	12.00	V
NR n77 Middle	6952.5	-53.96	-13	-40.96	-60.64	-55.48	11.98	13.50	H
	10428.75	-56.64	-13	-43.64	-68.48	-56.64	13.60	13.60	H
	13905	-55.76	-13	-42.76	-69.69	-55.36	15.50	15.10	H
	6952.5	-45.88	-13	-32.88	-53.29	-47.40	11.98	13.50	V
	10428.75	-54.77	-13	-41.77	-68.69	-54.77	13.60	13.60	V
	13905	-56.64	-13	-43.64	-69.59	-56.24	15.50	15.10	V
LTE Band 30 Middle	4648.00	-59.42	-40	-19.42	-63.65	-65.67	6.45	12.70	H
	6972.00	-59.42	-40	-19.42	-66.13	-62.82	8.40	11.80	H
	9294.00	-60.03	-40	-20.03	-69.39	-62.38	9.65	12.00	H
	4648.00	-59.42	-40	-19.42	-63.88	-65.67	6.45	12.70	V
	6972.00	-59.14	-40	-19.14	-66.4	-62.54	8.40	11.80	V
	9294.00	-58.29	-40	-18.29	-69.54	-60.64	9.65	12.00	V
NR n77 Highest	7002.5	-54.54	-13	-41.54	-61.31	-56.05	12.00	13.51	H
	10503	-56.79	-13	-43.79	-68.69	-56.79	13.62	13.62	H
	14004	-57.09	-13	-44.09	-70.80	-56.70	15.53	15.14	H
	7002.5	-48.73	-13	-35.73	-55.68	-50.24	12.00	13.51	V
	10503	-54.09	-13	-41.09	-68.31	-54.09	13.62	13.62	V
	14004	-57.73	-13	-44.73	-70.66	-57.34	15.53	15.14	V
LTE Band 30 Highest	4648.00	-59.42	-40	-19.42	-63.65	-65.67	6.45	12.70	H
	6970.00	-59.78	-40	-19.78	-66.49	-63.18	8.40	11.80	H
	9294.00	-60.39	-40	-20.39	-69.75	-62.74	9.65	12.00	H
	4648.00	-59.42	-40	-19.42	-63.88	-65.67	6.45	12.70	V
	6970.00	-59.30	-40	-19.30	-66.56	-62.70	8.40	11.80	V
	9294.00	-58.26	-40	-18.26	-69.51	-60.61	9.65	12.00	V

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

EN-DC_48A_n77A / LTE 10MHz + NR 100MHz / QPSK / ANT3(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 n77 Lowest	6950	-60.11	-13	-47.11	-66.79	-61.58	11.95	13.42	H
	10425	-56.99	-13	-43.99	-68.80	-57.01	13.54	13.56	H
	13900	-56.13	-13	-43.13	-70.06	-55.67	15.46	15.00	H
	6950	-58.53	-13	-45.53	-65.94	-60.00	11.95	13.42	V
	10425	-54.70	-13	-41.70	-68.54	-54.72	13.54	13.56	V
	13900	-56.85	-13	-43.85	-69.8	-56.39	15.46	15.00	V
LTE Band 48 Lowest	7250.00	-58.22	-40	-18.22	-66.24	-61.52	8.30	11.60	H
	10875.00	-55.27	-40	-15.27	-68.60	-56.79	10.48	12.00	H
	14500.00	-55.50	-40	-15.50	-69.97	-57.20	11.80	13.50	H
	7250.00	-57.21	-40	-17.21	-66.77	-60.51	8.30	11.60	V
	10875.00	-53.64	-40	-13.64	-68.62	-55.16	10.48	12.00	V
	14500.00	-55.86	-40	-15.86	-69.94	-57.56	11.80	13.50	V
NR n77 Middle	7000	-59.64	-13	-46.64	-66.41	-61.16	11.98	13.50	H
	10500	-56.83	-13	-43.83	-68.73	-56.83	13.60	13.60	H
	14000	-57.14	-13	-44.14	-70.85	-56.74	15.50	15.10	H
	7000	-59.13	-13	-46.13	-66.08	-60.65	11.98	13.50	V
	10500	-54.31	-13	-41.31	-68.53	-54.31	13.60	13.60	V
	14000	-58.11	-13	-45.11	-71.04	-57.71	15.50	15.10	V
LTE Band 48 Middle	7250.00	-58.37	-40	-18.37	-66.39	-61.67	8.30	11.60	H
	10875.00	-55.54	-40	-15.54	-68.87	-57.06	10.48	12.00	H
	14500.00	-55.41	-40	-15.41	-69.88	-57.11	11.80	13.50	H
	7250.00	-57.27	-40	-17.27	-66.83	-60.57	8.30	11.60	V
	10875.00	-53.60	-40	-13.60	-68.58	-55.12	10.48	12.00	V
	14500.00	-55.67	-40	-15.67	-69.75	-57.37	11.80	13.50	V
NR n77 Highest	7048	-59.68	-13	-46.68	-66.72	-61.19	12.00	13.51	H
	10572	-56.29	-13	-43.29	-68.45	-56.29	13.62	13.62	H
	14096	-56.39	-13	-43.39	-70.23	-56.00	15.53	15.14	H
	7048	-59.21	-13	-46.21	-66.92	-60.72	12.00	13.51	V
	10572	-53.97	-13	-40.97	-68.51	-53.97	13.62	13.62	V
	14096	-57.27	-13	-44.27	-70.4	-56.88	15.53	15.14	V
LTE Band 48 Highest	7250.00	-58.59	-40	-18.59	-66.61	-61.89	8.30	11.60	H
	10875.00	-55.39	-40	-15.39	-68.72	-56.91	10.48	12.00	H
	14500.00	-54.93	-40	-14.93	-69.40	-56.63	11.80	13.50	H
	7250.00	-57.11	-40	-17.11	-66.67	-60.41	8.30	11.60	V
	10875.00	-53.50	-40	-13.50	-68.48	-55.02	10.48	12.00	V
	14500.00	-55.80	-40	-15.80	-69.88	-57.50	11.80	13.50	V

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



n77(MIMO) SA / NR 100MHz / QPSK / ANT3+5									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	6902.5	-55.06	-13	-42.06	-61.66	-56.53	11.95	13.42	H
	10353.75	-53.01	-13	-40.01	-64.76	-53.03	13.54	13.56	H
	13805	-55.42	-13	-42.42	-69.57	-54.96	15.46	15.00	H
	6902.5	-53.27	-13	-40.27	-61.15	-54.74	11.95	13.42	V
	10353.75	-54.91	-13	-41.91	-68.46	-54.93	13.54	13.56	V
	13805	-56.42	-13	-43.42	-69.38	-55.96	15.46	15.00	V
Middle	6952.5	-54.34	-13	-41.34	-61.02	-55.86	11.98	13.50	H
	10428.75	-54.44	-13	-41.44	-66.28	-54.44	13.60	13.60	H
	13905	-55.27	-13	-42.27	-69.20	-54.87	15.50	15.10	H
	6952.5	-53.04	-13	-40.04	-60.45	-54.56	11.98	13.50	V
	10428.75	-54.57	-13	-41.57	-68.49	-54.57	13.60	13.60	V
	13905	-56.44	-13	-43.44	-69.39	-56.04	15.50	15.10	V
Highest	7002.5	-54.36	-13	-41.36	-61.13	-55.87	12.00	13.51	H
	10503.75	-54.90	-13	-41.90	-66.80	-54.90	13.62	13.62	H
	14005	-56.93	-13	-43.93	-70.64	-56.54	15.53	15.14	H
	7002.5	-53.59	-13	-40.59	-60.54	-55.10	12.00	13.51	V
	10503.75	-54.44	-13	-41.44	-68.66	-54.44	13.62	13.62	V
	14005	-57.97	-13	-44.97	-70.9	-57.58	15.53	15.14	V

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



n78 SA / NR 100MHz / QPSK / ANT3									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	6950	-60.04	-13	-47.04	-66.72	-61.51	11.95	13.42	H
	10425	-56.79	-13	-43.79	-68.60	-56.81	13.54	13.56	H
	13900	-56.37	-13	-43.37	-70.30	-55.91	15.46	15.00	H
	6950	-59.47	-13	-46.47	-66.88	-60.94	11.95	13.42	V
	10425	-54.38	-13	-41.38	-68.22	-54.40	13.54	13.56	V
	13900	-57.26	-13	-44.26	-70.21	-56.80	15.46	15.00	V
Middle	7000	-59.40	-13	-46.40	-66.17	-60.92	11.98	13.50	H
	10500	-56.68	-13	-43.68	-68.58	-56.68	13.60	13.60	H
	14000	-56.98	-13	-43.98	-70.69	-56.58	15.50	15.10	H
	7000	-59.26	-13	-46.26	-66.21	-60.78	11.98	13.50	V
	10500	-54.48	-13	-41.48	-68.7	-54.48	13.60	13.60	V
	14000	-58.23	-13	-45.23	-71.16	-57.83	15.50	15.10	V
Highest	7050	-60.02	-13	-47.02	-67.06	-61.53	12.00	13.51	H
	10575	-56.41	-13	-43.41	-68.57	-56.41	13.62	13.62	H
	14100	-56.94	-13	-43.94	-70.81	-56.55	15.53	15.14	H
	7050	-59.03	-13	-46.03	-66.74	-60.54	12.00	13.51	V
	10575	-53.73	-13	-40.73	-68.27	-53.73	13.62	13.62	V
	14100	-57.41	-13	-44.41	-70.58	-57.02	15.53	15.14	V

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



EN-DC_2A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT1(LTE) & ANT3(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 n78 Lowest	6950	-59.66	-13	-46.66	-66.34	-61.13	11.95	13.42	H
	10425	-56.64	-13	-43.64	-68.45	-56.66	13.54	13.56	H
	13900	-55.54	-13	-42.54	-69.47	-55.08	15.46	15.00	H
	6950	-59.07	-13	-46.07	-66.48	-60.54	11.95	13.42	V
	10425	-54.77	-13	-41.77	-68.61	-54.79	13.54	13.56	V
	13900	-56.34	-13	-43.34	-69.29	-55.88	15.46	15.00	V
LTE Band 2 Lowest	3760	-60.83	-13	-47.83	-62.96	-65.43	5.85	12.60	H
	5640	-60.43	-13	-47.43	-64.63	-64.08	7.30	13.10	H
	7520	-58.62	-13	-45.62	-66.72	-59.62	8.35	11.50	H
	3760	-58.10	-13	-45.10	-63.39	-62.70	5.85	12.60	V
	5640	-60.68	-13	-47.68	-65.03	-64.33	7.30	13.10	V
	7520	-58.35	-13	-45.35	-66.43	-59.35	8.35	11.50	V
NR n78 Middle	7000	-59.43	-13	-46.43	-66.20	-60.95	11.98	13.50	H
	10500	-56.30	-13	-43.30	-68.20	-56.30	13.60	13.60	H
	14000	-56.88	-13	-43.88	-70.59	-56.48	15.50	15.10	H
	7000	-59.05	-13	-46.05	-66	-60.57	11.98	13.50	V
	10500	-54.18	-13	-41.18	-68.4	-54.18	13.60	13.60	V
	14000	-57.85	-13	-44.85	-70.78	-57.45	15.50	15.10	V
LTE Band 2 Middle	3760	-60.83	-13	-47.83	-62.96	-65.43	5.85	12.60	H
	5640	-60.43	-13	-47.43	-64.63	-64.08	7.30	13.10	H
	7520	-58.65	-13	-45.65	-66.75	-59.65	8.35	11.50	H
	3760	-58.10	-13	-45.10	-63.39	-62.70	5.85	12.60	V
	5640	-60.68	-13	-47.68	-65.03	-64.33	7.30	13.10	V
	7520	-58.49	-13	-45.49	-66.57	-59.49	8.35	11.50	V
NR n78 Highest	7050	-59.74	-13	-46.74	-66.78	-61.25	12.00	13.51	H
	10575	-56.43	-13	-43.43	-68.59	-56.43	13.62	13.62	H
	14100	-56.40	-13	-43.40	-70.27	-56.01	15.53	15.14	H
	7050	-58.96	-13	-45.96	-66.67	-60.47	12.00	13.51	V
	10575	-53.66	-13	-40.66	-68.2	-53.66	13.62	13.62	V
	14100	-57.02	-13	-44.02	-70.19	-56.63	15.53	15.14	V
LTE Band 2 Highest	3760	-60.83	-13	-47.83	-62.96	-65.43	5.85	12.60	H
	5640	-60.43	-13	-47.43	-64.63	-64.08	7.30	13.10	H
	7520	-58.41	-13	-45.41	-66.51	-59.41	8.35	11.50	H
	3760	-58.10	-13	-45.10	-63.39	-62.70	5.85	12.60	V
	5640	-60.68	-13	-47.68	-65.03	-64.33	7.30	13.10	V
	7520	-58.92	-13	-45.92	-67.00	-59.92	8.35	11.50	V

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

———— THE END ————