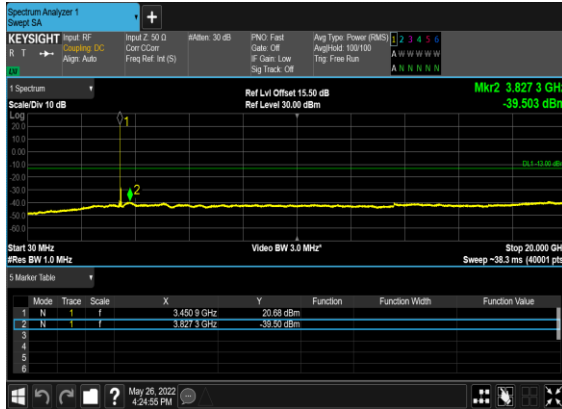


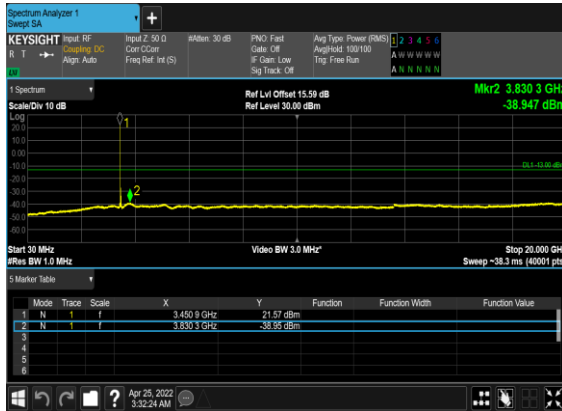
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



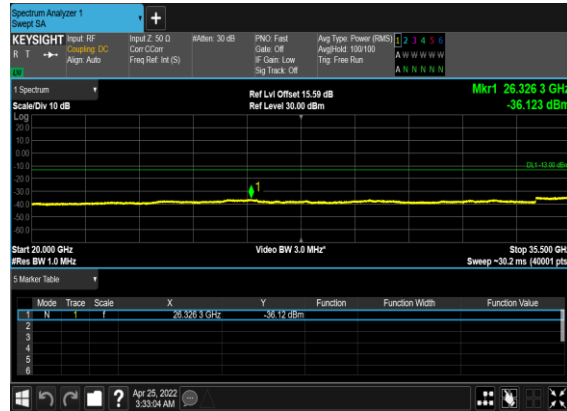
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



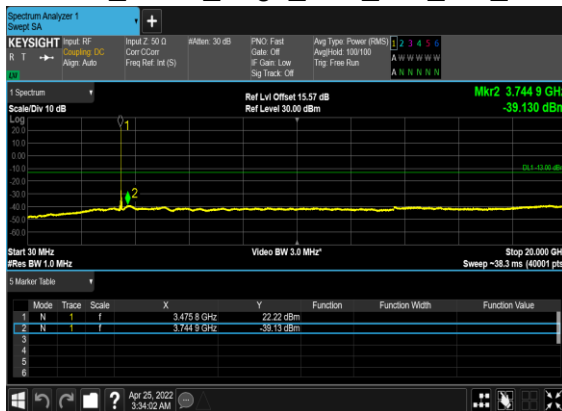
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



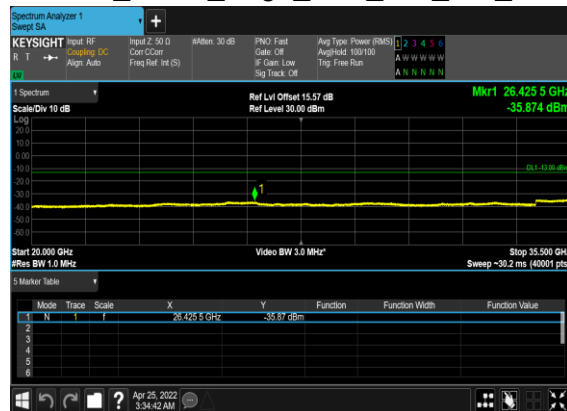
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



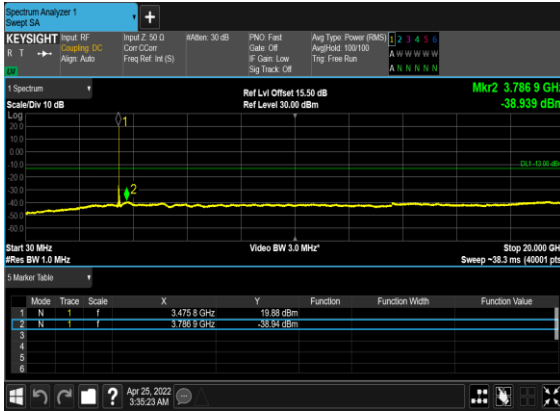
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



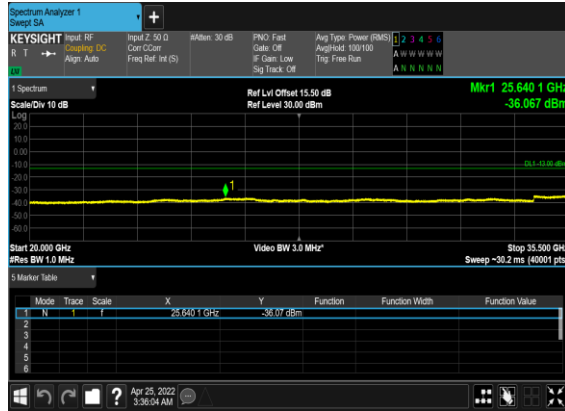
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



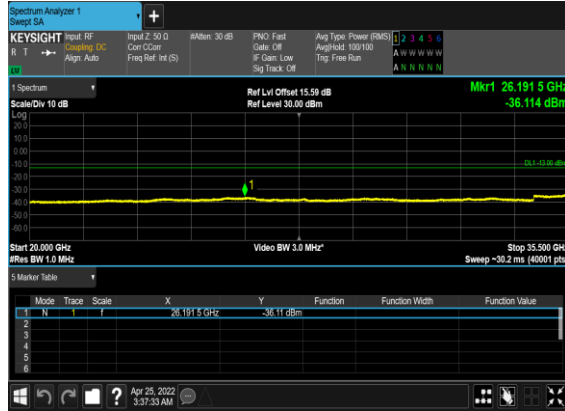
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



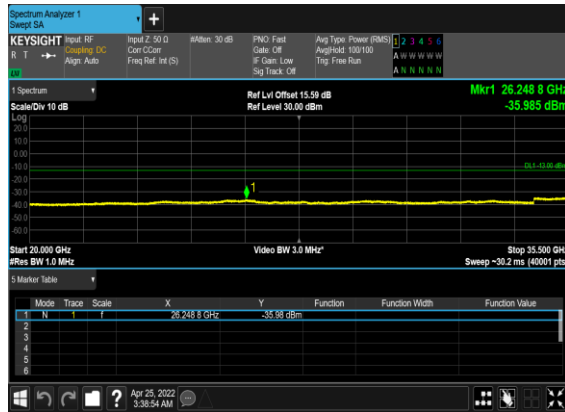
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

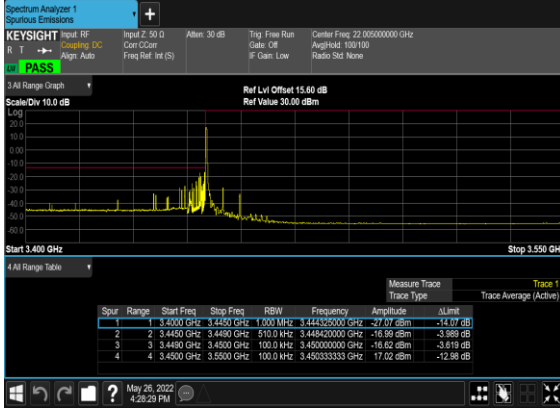


Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	15	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	10	630334	3455.01	DFT-s-OFDM BPSK	50@0	see graph	PASS
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	50@0	see graph	PASS
77	15	10	636333	3544.995	DFT-s-OFDM BPSK	1@51	see graph	PASS
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@51	see graph	PASS
77	15	10	636333	3544.995	DFT-s-OFDM BPSK	50@0	see graph	PASS
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	50@0	see graph	PASS
77	15	25	630834	3462.51	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	25	630834	3462.51	DFT-s-OFDM BPSK	128@0	see graph	PASS
77	15	25	630834	3462.51	DFT-s-OFDM QPSK	128@0	see graph	PASS
77	15	25	635833	3537.495	DFT-s-OFDM BPSK	1@132	see graph	PASS
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@132	see graph	PASS
77	15	25	635833	3537.495	DFT-s-OFDM BPSK	128@0	see graph	PASS
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	128@0	see graph	PASS
77	15	50	631667	3475.005	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	50	631667	3475.005	DFT-s-OFDM BPSK	270@0	see graph	PASS
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	270@0	see graph	PASS
77	15	50	635000	3525.0	DFT-s-OFDM BPSK	1@269	see graph	PASS
77	15	50	635000	3525.0	DFT-s-OFDM QPSK	1@269	see graph	PASS

77	15	50	635000	3525.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
77	15	50	635000	3525.0	DFT-s-OFDM QPSK	270@0	see graph	PASS

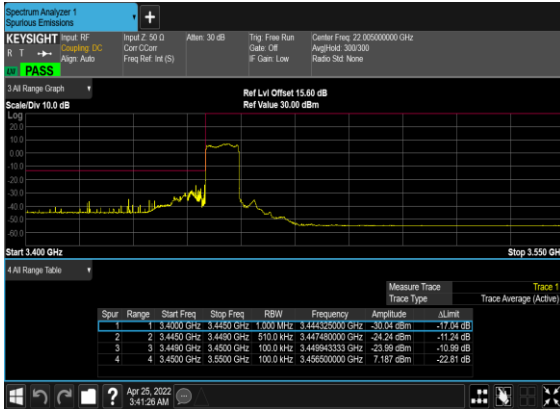
N77(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



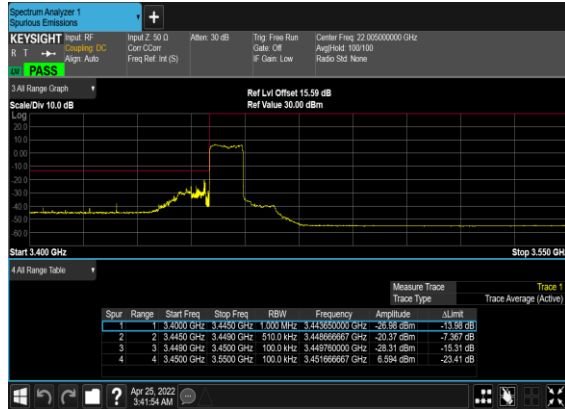
N77(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



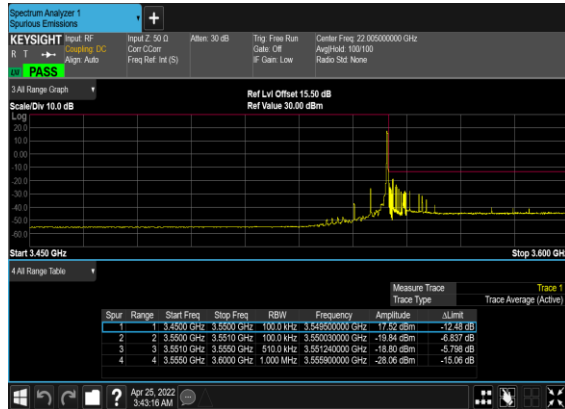
N77(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



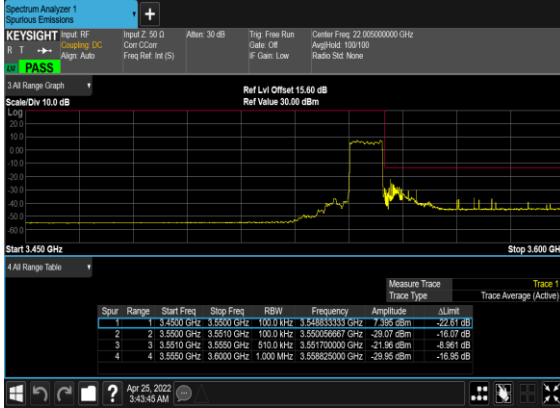
N77(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



N77(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



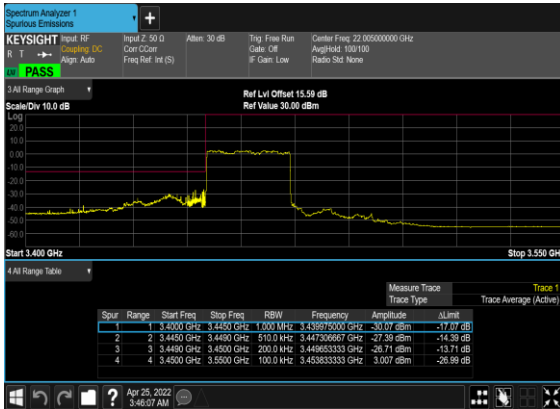
N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



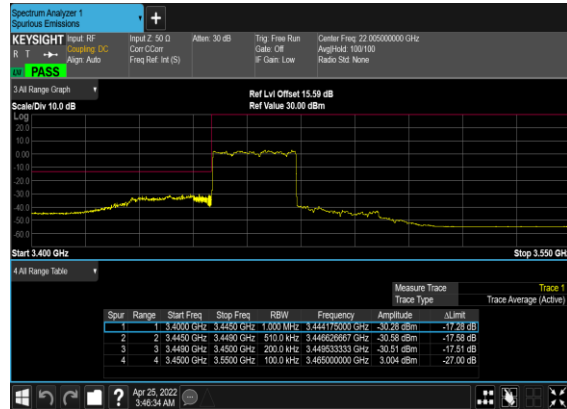
N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(25M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



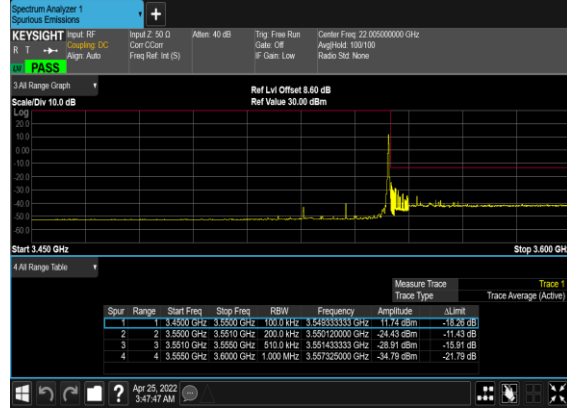
N77(25M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



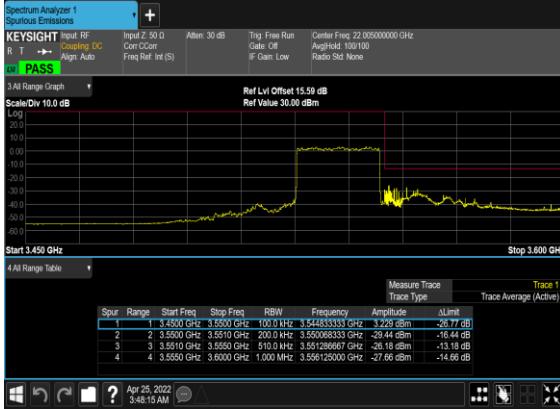
N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



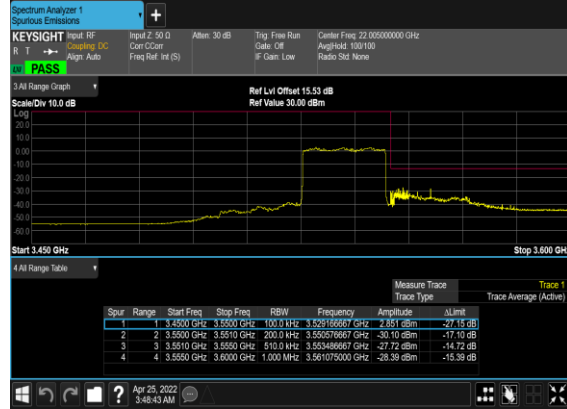
N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



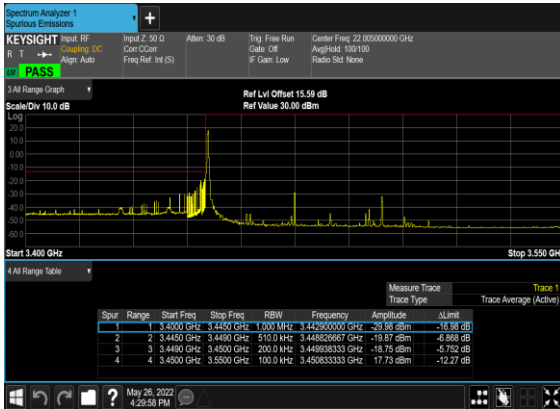
N77(25M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



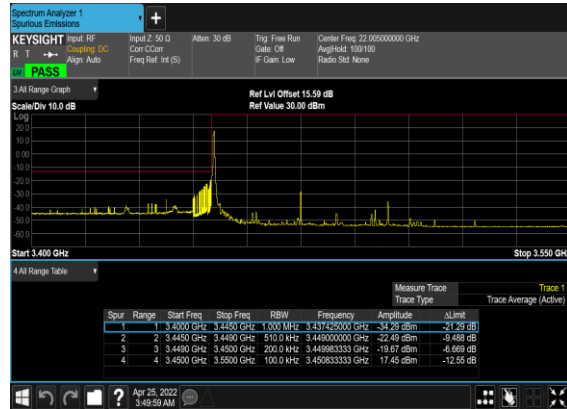
N77(25M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



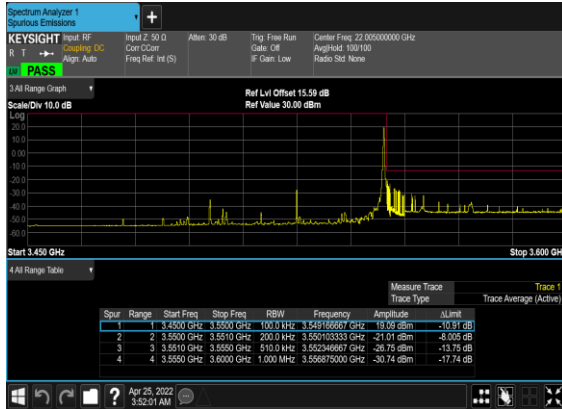
N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



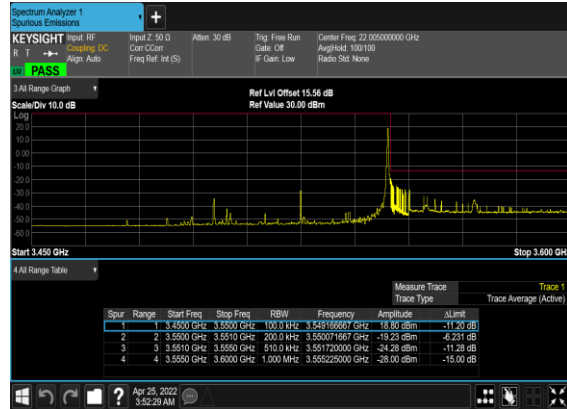
N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



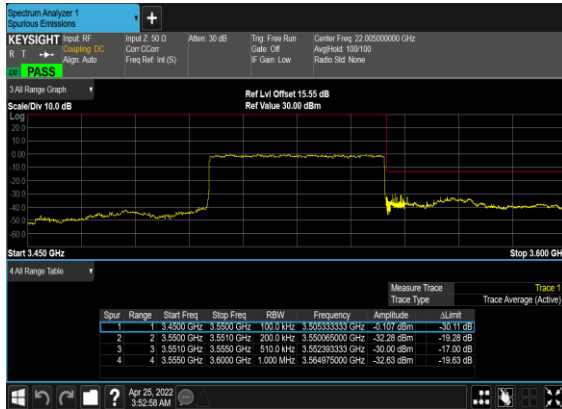
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



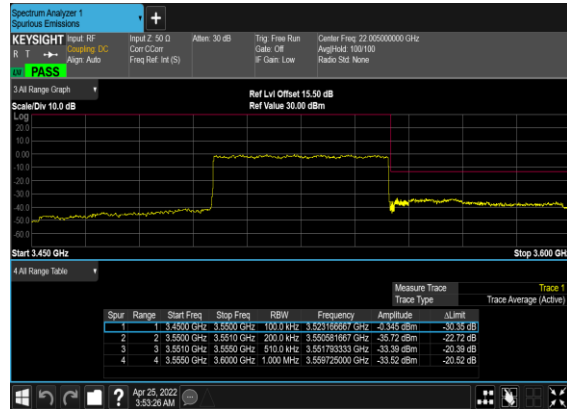
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



FR1 N77-30K(Ant 3)

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$) = -6.3dBi

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	12@6	25.77	19.47	0.0885
77	30	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@1	25.68	19.38	0.0867
77	30	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@22	25.69	19.39	0.0869
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	12@6	25.66	19.36	0.0863
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	25.63	19.33	0.0857
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@22	25.59	19.29	0.0849
77	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	12@6	24.67	18.37	0.0687
77	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	24.74	18.44	0.0698
77	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@22	24.74	18.44	0.0698
77	30	10	630334	3455.01	DFT-s-OFDM 64 QAM	12@6	23.17	16.87	0.0486
77	30	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@1	23.21	16.91	0.0491
77	30	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@22	23.26	16.96	0.0497
77	30	10	630334	3455.01	DFT-s-OFDM 256 QAM	12@6	21.32	15.02	0.0318
77	30	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@1	20.85	14.55	0.0285
77	30	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@22	21.14	14.84	0.0305
77	30	10	630334	3455.01	CP-OFDM QPSK	12@6	24.21	17.91	0.0618
77	30	10	630334	3455.01	CP-OFDM QPSK	1@1	24.16	17.86	0.0611
77	30	10	630334	3455.01	CP-OFDM QPSK	1@22	24.16	17.86	0.0611
77	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	12@6	25.77	19.47	0.0885
77	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.68	19.38	0.0867

77	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@22	25.63	19.33	0.0857
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	12@6	25.7	19.4	0.0871
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.64	19.34	0.0859
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@22	25.65	19.35	0.0861
77	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	12@6	24.69	18.39	0.0690
77	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.82	18.52	0.0711
77	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@22	24.84	18.54	0.0714
77	30	10	633334	3500.01	DFT-s-OFDM 64 QAM	12@6	23.16	16.86	0.0485
77	30	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.13	16.83	0.0482
77	30	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@22	23.4	17.1	0.0513
77	30	10	633334	3500.01	DFT-s-OFDM 256 QAM	12@6	21.22	14.92	0.0310
77	30	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.32	15.02	0.0318
77	30	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@22	21.24	14.94	0.0312
77	30	10	633334	3500.01	CP-OFDM QPSK	12@6	24.24	17.94	0.0622
77	30	10	633334	3500.01	CP-OFDM QPSK	1@1	24.11	17.81	0.0604
77	30	10	633334	3500.01	CP-OFDM QPSK	1@22	24.08	17.78	0.0600
77	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	12@6	25.85	19.55	0.0902
77	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	1@1	25.79	19.49	0.0889
77	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	1@22	25.72	19.42	0.0875
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	12@6	25.83	19.53	0.0897
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	25.75	19.45	0.0881
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@22	25.72	19.42	0.0875
77	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	12@6	24.79	18.49	0.0706
77	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	24.92	18.62	0.0728

77	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@22	24.84	18.54	0.0714
77	30	10	636332	3544.98	DFT-s-OFDM 64 QAM	12@6	23.34	17.04	0.0506
77	30	10	636332	3544.98	DFT-s-OFDM 64 QAM	1@1	23.46	17.16	0.0520
77	30	10	636332	3544.98	DFT-s-OFDM 64 QAM	1@22	23.41	17.11	0.0514
77	30	10	636332	3544.98	DFT-s-OFDM 256 QAM	12@6	21.38	15.08	0.0322
77	30	10	636332	3544.98	DFT-s-OFDM 256 QAM	1@1	21.2	14.9	0.0309
77	30	10	636332	3544.98	DFT-s-OFDM 256 QAM	1@22	21.16	14.86	0.0306
77	30	10	636332	3544.98	CP-OFDM QPSK	12@6	24.34	18.04	0.0637
77	30	10	636332	3544.98	CP-OFDM QPSK	1@1	24.31	18.01	0.0632
77	30	10	636332	3544.98	CP-OFDM QPSK	1@22	24.2	17.9	0.0617
77	30	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	18@9	25.83	19.53	0.0897
77	30	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@1	25.7	19.4	0.0871
77	30	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@36	25.72	19.42	0.0875
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	18@9	25.78	19.48	0.0887
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	25.68	19.38	0.0867
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@36	25.67	19.37	0.0865
77	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	18@9	24.6	18.3	0.0676
77	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	24.85	18.55	0.0716
77	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@36	24.74	18.44	0.0698
77	30	15	630500	3457.5	DFT-s-OFDM 64 QAM	18@9	23.25	16.95	0.0495
77	30	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@1	23.4	17.1	0.0513
77	30	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@36	23.32	17.02	0.0504
77	30	15	630500	3457.5	DFT-s-OFDM 256 QAM	18@9	21.26	14.96	0.0313
77	30	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@1	21.24	14.94	0.0312

77	30	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@36	21.14	14.84	0.0305
77	30	15	630500	3457.5	CP-OFDM QPSK	19@9	24.23	17.93	0.0621
77	30	15	630500	3457.5	CP-OFDM QPSK	1@1	24.16	17.86	0.0611
77	30	15	630500	3457.5	CP-OFDM QPSK	1@36	24.1	17.8	0.0603
77	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	18@9	25.77	19.47	0.0885
77	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.74	19.44	0.0879
77	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@36	25.7	19.4	0.0871
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	18@9	25.74	19.44	0.0879
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.66	19.36	0.0863
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@36	25.64	19.34	0.0859
77	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	18@9	24.61	18.31	0.0678
77	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.68	18.38	0.0689
77	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@36	24.75	18.45	0.0700
77	30	15	633334	3500.01	DFT-s-OFDM 64 QAM	18@9	23.23	16.93	0.0493
77	30	15	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.34	17.04	0.0506
77	30	15	633334	3500.01	DFT-s-OFDM 64 QAM	1@36	23.35	17.05	0.0507
77	30	15	633334	3500.01	DFT-s-OFDM 256 QAM	18@9	21.2	14.9	0.0309
77	30	15	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.2	14.9	0.0309
77	30	15	633334	3500.01	DFT-s-OFDM 256 QAM	1@36	21.22	14.92	0.0310
77	30	15	633334	3500.01	CP-OFDM QPSK	19@9	24.18	17.88	0.0614
77	30	15	633334	3500.01	CP-OFDM QPSK	1@1	24.16	17.86	0.0611
77	30	15	633334	3500.01	CP-OFDM QPSK	1@36	24.08	17.78	0.0600
77	30	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	18@9	25.84	19.54	0.0899
77	30	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@1	25.81	19.51	0.0893
77	30	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@36	25.73	19.43	0.0877

77	30	15	636166	3542.49	DFT-s-OFDM QPSK	18@9	25.82	19.52	0.0895
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	25.78	19.48	0.0887
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@36	25.7	19.4	0.0871
77	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	18@9	24.77	18.47	0.0703
77	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	24.94	18.64	0.0731
77	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@36	24.86	18.56	0.0718
77	30	15	636166	3542.49	DFT-s-OFDM 64 QAM	18@9	23.43	17.13	0.0516
77	30	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@1	23.44	17.14	0.0518
77	30	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@36	23.33	17.03	0.0505
77	30	15	636166	3542.49	DFT-s-OFDM 256 QAM	18@9	21.3	15	0.0316
77	30	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@1	21.29	14.99	0.0316
77	30	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@36	21.04	14.74	0.0298
77	30	15	636166	3542.49	CP-OFDM QPSK	19@9	24.34	18.04	0.0637
77	30	15	636166	3542.49	CP-OFDM QPSK	1@1	24.21	17.91	0.0618
77	30	15	636166	3542.49	CP-OFDM QPSK	1@36	24.14	17.84	0.0608
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	25@12	25.81	19.51	0.0893
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	25.75	19.45	0.0881
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@49	25.77	19.47	0.0885
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	25@12	25.8	19.5	0.0891
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	25.7	19.4	0.0871
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@49	25.75	19.45	0.0881
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	25@12	24.7	18.4	0.0692
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	24.86	18.56	0.0718
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@49	24.87	18.57	0.0719

77	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	25@12	23.2	16.9	0.0490
77	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@1	23.42	17.12	0.0515
77	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@49	23.49	17.19	0.0524
77	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	25@12	21.3	15	0.0316
77	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@1	21.29	14.99	0.0316
77	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@49	21.35	15.05	0.0320
77	30	20	630668	3460.02	CP-OFDM QPSK	25@12	24.3	18	0.0631
77	30	20	630668	3460.02	CP-OFDM QPSK	1@1	24.17	17.87	0.0612
77	30	20	630668	3460.02	CP-OFDM QPSK	1@49	24.2	17.9	0.0617
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	25.84	19.54	0.0899
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.77	19.47	0.0885
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@49	25.68	19.38	0.0867
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	25@12	25.75	19.45	0.0881
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.71	19.41	0.0873
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@49	25.64	19.34	0.0859
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	24.7	18.4	0.0692
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.89	18.59	0.0723
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@49	24.82	18.52	0.0711
77	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	23.25	16.95	0.0495
77	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.36	17.06	0.0508
77	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@49	23.26	16.96	0.0497
77	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	21.18	14.88	0.0308
77	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.26	14.96	0.0313
77	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@49	21.09	14.79	0.0301

77	30	20	633334	3500.01	CP-OFDM QPSK	25@12	24.22	17.92	0.0619
77	30	20	633334	3500.01	CP-OFDM QPSK	1@1	24.13	17.83	0.0607
77	30	20	633334	3500.01	CP-OFDM QPSK	1@49	24.16	17.86	0.0611
77	30	20	636000	3540	DFT-s- OFDM PI/2 BPSK	25@12	25.84	19.54	0.0899
77	30	20	636000	3540	DFT-s- OFDM PI/2 BPSK	1@1	25.85	19.55	0.0902
77	30	20	636000	3540	DFT-s- OFDM PI/2 BPSK	1@49	25.76	19.46	0.0883
77	30	20	636000	3540	DFT-s- OFDM QPSK	25@12	25.82	19.52	0.0895
77	30	20	636000	3540	DFT-s- OFDM QPSK	1@1	25.83	19.53	0.0897
77	30	20	636000	3540	DFT-s- OFDM QPSK	1@49	25.71	19.41	0.0873
77	30	20	636000	3540	DFT-s- OFDM 16 QAM	25@12	24.79	18.49	0.0706
77	30	20	636000	3540	DFT-s- OFDM 16 QAM	1@1	24.93	18.63	0.0729
77	30	20	636000	3540	DFT-s- OFDM 16 QAM	1@49	24.76	18.46	0.0701
77	30	20	636000	3540	DFT-s- OFDM 64 QAM	25@12	23.27	16.97	0.0498
77	30	20	636000	3540	DFT-s- OFDM 64 QAM	1@1	23.4	17.1	0.0513
77	30	20	636000	3540	DFT-s- OFDM 64 QAM	1@49	23.31	17.01	0.0502
77	30	20	636000	3540	DFT-s- OFDM 256 QAM	25@12	21.32	15.02	0.0318
77	30	20	636000	3540	DFT-s- OFDM 256 QAM	1@1	21.45	15.15	0.0327
77	30	20	636000	3540	DFT-s- OFDM 256 QAM	1@49	21.6	15.3	0.0339
77	30	20	636000	3540	CP-OFDM QPSK	25@12	24.3	18	0.0631
77	30	20	636000	3540	CP-OFDM QPSK	1@1	24.18	17.88	0.0614
77	30	20	636000	3540	CP-OFDM QPSK	1@49	24.2	17.9	0.0617
77	30	25	630834	3462.51	DFT-s- OFDM PI/2 BPSK	32@16	25.78	19.48	0.0887
77	30	25	630834	3462.51	DFT-s- OFDM PI/2 BPSK	1@1	25.79	19.49	0.0889
77	30	25	630834	3462.51	DFT-s- OFDM PI/2 BPSK	1@63	25.71	19.41	0.0873
77	30	25	630834	3462.51	DFT-s- OFDM QPSK	32@16	25.78	19.48	0.0887

77	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	25.69	19.39	0.0869
77	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@63	25.71	19.41	0.0873
77	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	32@16	24.73	18.43	0.0697
77	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	24.83	18.53	0.0713
77	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@63	24.9	18.6	0.0724
77	30	25	630834	3462.51	DFT-s-OFDM 64 QAM	32@16	23.28	16.98	0.0499
77	30	25	630834	3462.51	DFT-s-OFDM 64 QAM	1@1	23.54	17.24	0.0530
77	30	25	630834	3462.51	DFT-s-OFDM 64 QAM	1@63	23.5	17.2	0.0525
77	30	25	630834	3462.51	DFT-s-OFDM 256 QAM	32@16	21.27	14.97	0.0314
77	30	25	630834	3462.51	DFT-s-OFDM 256 QAM	1@1	20.99	14.69	0.0294
77	30	25	630834	3462.51	DFT-s-OFDM 256 QAM	1@63	21.05	14.75	0.0299
77	30	25	630834	3462.51	CP-OFDM QPSK	33@16	24.17	17.87	0.0612
77	30	25	630834	3462.51	CP-OFDM QPSK	1@1	24.48	18.18	0.0658
77	30	25	630834	3462.51	CP-OFDM QPSK	1@63	24.47	18.17	0.0656
77	30	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	32@16	25.8	19.5	0.0891
77	30	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.8	19.5	0.0891
77	30	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@63	25.72	19.42	0.0875
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	32@16	25.75	19.45	0.0881
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.76	19.46	0.0883
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@63	25.7	19.4	0.0871
77	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	32@16	24.71	18.41	0.0693
77	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.94	18.64	0.0731
77	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@63	24.87	18.57	0.0719
77	30	25	633334	3500.01	DFT-s-OFDM 64 QAM	32@16	23.25	16.95	0.0495

77	30	25	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.59	17.29	0.0536
77	30	25	633334	3500.01	DFT-s-OFDM 64 QAM	1@63	23.37	17.07	0.0509
77	30	25	633334	3500.01	DFT-s-OFDM 256 QAM	32@16	21.23	14.93	0.0311
77	30	25	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.17	14.87	0.0307
77	30	25	633334	3500.01	DFT-s-OFDM 256 QAM	1@63	20.75	14.45	0.0279
77	30	25	633334	3500.01	CP-OFDM QPSK	33@16	24.12	17.82	0.0605
77	30	25	633334	3500.01	CP-OFDM QPSK	1@1	24.37	18.07	0.0641
77	30	25	633334	3500.01	CP-OFDM QPSK	1@63	24.33	18.03	0.0635
77	30	25	635832	3537.48	DFT-s-OFDM PI/2 BPSK	32@16	25.79	19.49	0.0889
77	30	25	635832	3537.48	DFT-s-OFDM PI/2 BPSK	1@1	25.79	19.49	0.0889
77	30	25	635832	3537.48	DFT-s-OFDM PI/2 BPSK	1@63	25.69	19.39	0.0869
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	32@16	25.73	19.43	0.0877
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@1	25.83	19.53	0.0897
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@63	25.71	19.41	0.0873
77	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	32@16	24.7	18.4	0.0692
77	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@1	24.88	18.58	0.0721
77	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@63	24.85	18.55	0.0716
77	30	25	635832	3537.48	DFT-s-OFDM 64 QAM	32@16	23.22	16.92	0.0492
77	30	25	635832	3537.48	DFT-s-OFDM 64 QAM	1@1	23.46	17.16	0.0520
77	30	25	635832	3537.48	DFT-s-OFDM 64 QAM	1@63	23.07	16.77	0.0475
77	30	25	635832	3537.48	DFT-s-OFDM 256 QAM	32@16	21.25	14.95	0.0313
77	30	25	635832	3537.48	DFT-s-OFDM 256 QAM	1@1	21.19	14.89	0.0308
77	30	25	635832	3537.48	DFT-s-OFDM 256 QAM	1@63	21.05	14.75	0.0299
77	30	25	635832	3537.48	CP-OFDM QPSK	33@16	24.13	17.83	0.0607
77	30	25	635832	3537.48	CP-OFDM QPSK	1@1	24.29	17.99	0.0630

77	30	25	635832	3537.48	CP-OFDM QPSK	1@63	24.34	18.04	0.0637
77	30	30	631000	3465	DFT-s- OFDM PI/2 BPSK	36@18	25.83	19.53	0.0897
77	30	30	631000	3465	DFT-s- OFDM PI/2 BPSK	1@1	25.77	19.47	0.0885
77	30	30	631000	3465	DFT-s- OFDM PI/2 BPSK	1@76	25.7	19.4	0.0871
77	30	30	631000	3465	DFT-s- OFDM QPSK	36@18	25.79	19.49	0.0889
77	30	30	631000	3465	DFT-s- OFDM QPSK	1@1	25.76	19.46	0.0883
77	30	30	631000	3465	DFT-s- OFDM QPSK	1@76	25.71	19.41	0.0873
77	30	30	631000	3465	DFT-s- OFDM 16 QAM	36@18	24.75	18.45	0.0700
77	30	30	631000	3465	DFT-s- OFDM 16 QAM	1@1	24.84	18.54	0.0714
77	30	30	631000	3465	DFT-s- OFDM 16 QAM	1@76	24.83	18.53	0.0713
77	30	30	631000	3465	DFT-s- OFDM 64 QAM	36@18	23.31	17.01	0.0502
77	30	30	631000	3465	DFT-s- OFDM 64 QAM	1@1	23.41	17.11	0.0514
77	30	30	631000	3465	DFT-s- OFDM 64 QAM	1@76	23.37	17.07	0.0509
77	30	30	631000	3465	DFT-s- OFDM 256 QAM	36@18	21.32	15.02	0.0318
77	30	30	631000	3465	DFT-s- OFDM 256 QAM	1@1	21.26	14.96	0.0313
77	30	30	631000	3465	DFT-s- OFDM 256 QAM	1@76	21.3	15	0.0316
77	30	30	631000	3465	CP-OFDM QPSK	39@19	24.22	17.92	0.0619
77	30	30	631000	3465	CP-OFDM QPSK	1@1	24.25	17.95	0.0624
77	30	30	631000	3465	CP-OFDM QPSK	1@76	24.04	17.74	0.0594
77	30	30	633334	3500.01	DFT-s- OFDM PI/2 BPSK	36@18	25.86	19.56	0.0904
77	30	30	633334	3500.01	DFT-s- OFDM PI/2 BPSK	1@1	25.78	19.48	0.0887
77	30	30	633334	3500.01	DFT-s- OFDM PI/2 BPSK	1@76	25.71	19.41	0.0873
77	30	30	633334	3500.01	DFT-s- OFDM QPSK	36@18	25.8	19.5	0.0891
77	30	30	633334	3500.01	DFT-s- OFDM QPSK	1@1	25.79	19.49	0.0889
77	30	30	633334	3500.01	DFT-s- OFDM	1@76	25.68	19.38	0.0867

QPSK									
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	36@18	24.79	18.49	0.0706
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.87	18.57	0.0719
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@76	24.81	18.51	0.0710
77	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	36@18	23.22	16.92	0.0492
77	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.56	17.26	0.0532
77	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@76	23.44	17.14	0.0518
77	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	36@18	21.31	15.01	0.0317
77	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.39	15.09	0.0323
77	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@76	21.32	15.02	0.0318
77	30	30	633334	3500.01	CP-OFDM QPSK	39@19	24.3	18	0.0631
77	30	30	633334	3500.01	CP-OFDM QPSK	1@1	24.33	18.03	0.0635
77	30	30	633334	3500.01	CP-OFDM QPSK	1@76	24.03	17.73	0.0593
77	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	36@18	25.88	19.58	0.0908
77	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	25.83	19.53	0.0897
77	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@76	25.73	19.43	0.0877
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	36@18	25.87	19.57	0.0906
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	25.82	19.52	0.0895
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@76	25.68	19.38	0.0867
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	36@18	24.75	18.45	0.0700
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	24.93	18.63	0.0729
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@76	24.84	18.54	0.0714
77	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	36@18	23.38	17.08	0.0511
77	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@1	23.53	17.23	0.0528
77	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@76	23.33	17.03	0.0505

QAM									
77	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	36@18	21.34	15.04	0.0319
77	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@1	21.26	14.96	0.0313
77	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@76	21.17	14.87	0.0307
77	30	30	635666	3534.99	CP-OFDM QPSK	39@19	24.27	17.97	0.0627
77	30	30	635666	3534.99	CP-OFDM QPSK	1@1	24.25	17.95	0.0624
77	30	30	635666	3534.99	CP-OFDM QPSK	1@76	24.02	17.72	0.0592
77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	50@25	25.82	19.52	0.0895
77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	25.81	19.51	0.0893
77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@104	25.68	19.38	0.0867
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	50@25	25.75	19.45	0.0881
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	25.78	19.48	0.0887
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@104	25.69	19.39	0.0869
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	50@25	24.71	18.41	0.0693
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	24.81	18.51	0.0710
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@104	24.84	18.54	0.0714
77	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	50@25	23.22	16.92	0.0492
77	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	23.39	17.09	0.0512
77	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@104	23.37	17.07	0.0509
77	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	50@25	21.26	14.96	0.0313
77	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	21.18	14.88	0.0308
77	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@104	21.23	14.93	0.0311
77	30	40	631334	3470.01	CP-OFDM QPSK	53@26	24.18	17.88	0.0614
77	30	40	631334	3470.01	CP-OFDM QPSK	1@1	24.24	17.94	0.0622
77	30	40	631334	3470.01	CP-OFDM QPSK	1@104	24.16	17.86	0.0611

77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	25.85	19.55	0.0902
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.88	19.58	0.0908
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	25.7	19.4	0.0871
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	50@25	25.76	19.46	0.0883
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.82	19.52	0.0895
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@104	25.67	19.37	0.0865
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	24.73	18.43	0.0697
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.02	18.72	0.0745
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	24.8	18.5	0.0708
77	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	23.23	16.93	0.0493
77	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.48	17.18	0.0522
77	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	23.37	17.07	0.0509
77	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	21.3	15	0.0316
77	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.94	14.64	0.0291
77	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	21.14	14.84	0.0305
77	30	40	633334	3500.01	CP-OFDM QPSK	53@26	24.22	17.92	0.0619
77	30	40	633334	3500.01	CP-OFDM QPSK	1@1	24.26	17.96	0.0625
77	30	40	633334	3500.01	CP-OFDM QPSK	1@104	24.06	17.76	0.0597
77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	50@25	25.84	19.54	0.0899
77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	25.85	19.55	0.0902
77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@104	25.68	19.38	0.0867
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	50@25	25.76	19.46	0.0883
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	25.85	19.55	0.0902
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@104	25.61	19.31	0.0853

77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	50@25	24.75	18.45	0.0700
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	24.98	18.68	0.0738
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@104	24.81	18.51	0.0710
77	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	50@25	23.25	16.95	0.0495
77	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@1	23.57	17.27	0.0533
77	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@104	23.32	17.02	0.0504
77	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	50@25	21.3	15	0.0316
77	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@1	21.31	15.01	0.0317
77	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@104	21.16	14.86	0.0306
77	30	40	635332	3529.98	CP-OFDM QPSK	53@26	24.24	17.94	0.0622
77	30	40	635332	3529.98	CP-OFDM QPSK	1@1	24.26	17.96	0.0625
77	30	40	635332	3529.98	CP-OFDM QPSK	1@104	24.07	17.77	0.0598
77	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	64@32	25.83	19.53	0.0897
77	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	25.8	19.5	0.0891
77	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@131	25.66	19.36	0.0863
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	64@32	25.78	19.48	0.0887
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	25.76	19.46	0.0883
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@131	25.64	19.34	0.0859
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	64@32	24.76	18.46	0.0701
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	24.81	18.51	0.0710
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@131	24.71	18.41	0.0693
77	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	64@32	23.28	16.98	0.0499
77	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@1	23.51	17.21	0.0526
77	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@131	23.36	17.06	0.0508

77	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	64@32	21.28	14.98	0.0315
77	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@1	21.26	14.96	0.0313
77	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@131	21.07	14.77	0.0300
77	30	50	631668	3475.02	CP-OFDM QPSK	67@33	24.28	17.98	0.0628
77	30	50	631668	3475.02	CP-OFDM QPSK	1@1	24.22	17.92	0.0619
77	30	50	631668	3475.02	CP-OFDM QPSK	1@131	24.1	17.8	0.0603
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@32	25.83	19.53	0.0897
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.86	19.56	0.0904
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@131	25.68	19.38	0.0867
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	64@32	25.77	19.47	0.0885
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.87	19.57	0.0906
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@131	25.62	19.32	0.0855
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	64@32	24.78	18.48	0.0705
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.96	18.66	0.0735
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@131	24.8	18.5	0.0708
77	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	64@32	23.28	16.98	0.0499
77	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.52	17.22	0.0527
77	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@131	23.1	16.8	0.0479
77	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	64@32	21.31	15.01	0.0317
77	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.32	15.02	0.0318
77	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@131	21.03	14.73	0.0297
77	30	50	633334	3500.01	CP-OFDM QPSK	67@33	24.23	17.93	0.0621
77	30	50	633334	3500.01	CP-OFDM QPSK	1@1	24.29	17.99	0.0630
77	30	50	633334	3500.01	CP-OFDM QPSK	1@131	24.08	17.78	0.0600
77	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	64@32	25.83	19.53	0.0897

77	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	25.87	19.57	0.0906
77	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@131	25.66	19.36	0.0863
77	30	50	635000	3525	DFT-s-OFDM QPSK	64@32	25.77	19.47	0.0885
77	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	25.86	19.56	0.0904
77	30	50	635000	3525	DFT-s-OFDM QPSK	1@131	25.65	19.35	0.0861
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	64@32	24.75	18.45	0.0700
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	24.98	18.68	0.0738
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@131	24.7	18.4	0.0692
77	30	50	635000	3525	DFT-s-OFDM 64 QAM	64@32	23.27	16.97	0.0498
77	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	23.59	17.29	0.0536
77	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@131	23.45	17.15	0.0519
77	30	50	635000	3525	DFT-s-OFDM 256 QAM	64@32	21.29	14.99	0.0316
77	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	21.21	14.91	0.0310
77	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@131	20.96	14.66	0.0292
77	30	50	635000	3525	CP-OFDM QPSK	67@33	24.24	17.94	0.0622
77	30	50	635000	3525	CP-OFDM QPSK	1@1	24.33	18.03	0.0635
77	30	50	635000	3525	CP-OFDM QPSK	1@131	24.12	17.82	0.0605
77	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	81@40	25.84	19.54	0.0899
77	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@1	25.73	19.43	0.0877
77	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@160	25.63	19.33	0.0857
77	30	60	632000	3480	DFT-s-OFDM QPSK	81@40	25.77	19.47	0.0885
77	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	25.75	19.45	0.0881
77	30	60	632000	3480	DFT-s-OFDM QPSK	1@160	25.61	19.31	0.0853
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	81@40	24.72	18.42	0.0695

77	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	24.84	18.54	0.0714
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@160	24.78	18.48	0.0705
77	30	60	632000	3480	DFT-s-OFDM 64 QAM	81@40	23.3	17	0.0501
77	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@1	23.43	17.13	0.0516
77	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@160	23.09	16.79	0.0478
77	30	60	632000	3480	DFT-s-OFDM 256 QAM	81@40	21.31	15.01	0.0317
77	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@1	21.16	14.86	0.0306
77	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@160	21.03	14.73	0.0297
77	30	60	632000	3480	CP-OFDM QPSK	81@40	24.29	17.99	0.0630
77	30	60	632000	3480	CP-OFDM QPSK	1@1	24.28	17.98	0.0628
77	30	60	632000	3480	CP-OFDM QPSK	1@160	24.18	17.88	0.0614
77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	81@40	25.81	19.51	0.0893
77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.86	19.56	0.0904
77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@160	25.67	19.37	0.0865
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	81@40	25.74	19.44	0.0879
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.79	19.49	0.0889
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@160	25.6	19.3	0.0851
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	81@40	24.72	18.42	0.0695
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.89	18.59	0.0723
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@160	24.81	18.51	0.0710
77	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	81@40	23.27	16.97	0.0498
77	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.53	17.23	0.0528
77	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@160	23.47	17.17	0.0521
77	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	81@40	21.27	14.97	0.0314

77	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.35	15.05	0.0320
77	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@160	21.15	14.85	0.0305
77	30	60	633334	3500.01	CP-OFDM QPSK	81@40	24.23	17.93	0.0621
77	30	60	633334	3500.01	CP-OFDM QPSK	1@1	24.25	17.95	0.0624
77	30	60	633334	3500.01	CP-OFDM QPSK	1@160	24.04	17.74	0.0594
77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	81@40	25.79	19.49	0.0889
77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	25.82	19.52	0.0895
77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@160	25.63	19.33	0.0857
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	81@40	25.77	19.47	0.0885
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	25.82	19.52	0.0895
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@160	25.59	19.29	0.0849
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	81@40	24.76	18.46	0.0701
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	24.97	18.67	0.0736
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@160	24.7	18.4	0.0692
77	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	81@40	23.3	17	0.0501
77	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@1	23.49	17.19	0.0524
77	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@160	23.36	17.06	0.0508
77	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	81@40	21.31	15.01	0.0317
77	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@1	21.28	14.98	0.0315
77	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@160	21.25	14.95	0.0313
77	30	60	634666	3519.99	CP-OFDM QPSK	81@40	24.24	17.94	0.0622
77	30	60	634666	3519.99	CP-OFDM QPSK	1@1	24.26	17.96	0.0625
77	30	60	634666	3519.99	CP-OFDM QPSK	1@160	24.03	17.73	0.0593
77	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	90@45	26.27	19.97	0.0993
77	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@1	26.04	19.74	0.0942

77	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@187	26	19.7	0.0933
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	90@45	26.19	19.89	0.0975
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	25.74	19.44	0.0879
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@187	25.98	19.68	0.0929
77	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	90@45	25.28	18.98	0.0791
77	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	25.34	19.04	0.0802
77	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@187	25.13	18.83	0.0764
77	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	90@45	23.83	17.53	0.0566
77	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@1	23.93	17.63	0.0579
77	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@187	23.75	17.45	0.0556
77	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	90@45	21.79	15.49	0.0354
77	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@1	21.7	15.4	0.0347
77	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@187	21.61	15.31	0.0340
77	30	70	632334	3485.01	CP-OFDM QPSK	95@47	24.78	18.48	0.0705
77	30	70	632334	3485.01	CP-OFDM QPSK	1@1	24.83	18.53	0.0713
77	30	70	632334	3485.01	CP-OFDM QPSK	1@187	24.55	18.25	0.0668
77	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	90@45	26.26	19.96	0.0991
77	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.18	19.88	0.0973
77	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@187	25.99	19.69	0.0931
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	90@45	26.25	19.95	0.0989
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.89	19.59	0.0910
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@187	26	19.7	0.0933
77	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	90@45	25.28	18.98	0.0791
77	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.36	19.06	0.0805

77	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@187	25.25	18.95	0.0785
77	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	90@45	23.77	17.47	0.0558
77	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.94	17.64	0.0581
77	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@187	23.73	17.43	0.0553
77	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	90@45	21.78	15.48	0.0353
77	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.46	15.16	0.0328
77	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@187	21.62	15.32	0.0340
77	30	70	633334	3500.01	CP-OFDM QPSK	95@47	24.74	18.44	0.0698
77	30	70	633334	3500.01	CP-OFDM QPSK	1@1	24.74	18.44	0.0698
77	30	70	633334	3500.01	CP-OFDM QPSK	1@187	24.64	18.34	0.0682
77	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	90@45	26.31	20.01	0.1002
77	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@1	26.15	19.85	0.0966
77	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@187	25.97	19.67	0.0927
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	90@45	26.32	20.02	0.1005
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	25.98	19.68	0.0929
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@187	25.98	19.68	0.0929
77	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	90@45	25.33	19.03	0.0800
77	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	25.44	19.14	0.0820
77	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@187	25.23	18.93	0.0782
77	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	90@45	23.83	17.53	0.0566
77	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@1	24	17.7	0.0589
77	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@187	23.55	17.25	0.0531
77	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	90@45	21.78	15.48	0.0353
77	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@1	21.9	15.6	0.0363

77	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@187	21.67	15.37	0.0344
77	30	70	634332	3514.98	CP-OFDM QPSK	95@47	24.8	18.5	0.0708
77	30	70	634332	3514.98	CP-OFDM QPSK	1@1	24.79	18.49	0.0706
77	30	70	634332	3514.98	CP-OFDM QPSK	1@187	24.51	18.21	0.0662
77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	108@54	26.28	19.98	0.0995
77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	26.03	19.73	0.0940
77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@215	26.06	19.76	0.0946
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	108@54	26.22	19.92	0.0982
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	25.73	19.43	0.0877
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@215	26.05	19.75	0.0944
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	108@54	25.28	18.98	0.0791
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	25.37	19.07	0.0807
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@215	25.09	18.79	0.0757
77	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	108@54	23.81	17.51	0.0564
77	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@1	24.01	17.71	0.0590
77	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@215	23.72	17.42	0.0552
77	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	108@54	21.8	15.5	0.0355
77	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@1	21.64	15.34	0.0342
77	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@215	21.5	15.2	0.0331
77	30	80	632668	3490.02	CP-OFDM QPSK	109@54	24.79	18.49	0.0706
77	30	80	632668	3490.02	CP-OFDM QPSK	1@1	24.69	18.39	0.0690
77	30	80	632668	3490.02	CP-OFDM QPSK	1@215	24.54	18.24	0.0667
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	108@54	26.2	19.9	0.0977
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.21	19.91	0.0979
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@215	26.01	19.71	0.0935

77	30	80	633334	3500.01	DFT-s-OFDM QPSK	108@54	26.25	19.95	0.0989
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.9	19.6	0.0912
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@215	26.04	19.74	0.0942
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	25.25	18.95	0.0785
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.25	18.95	0.0785
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@215	25.04	18.74	0.0748
77	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	108@54	23.81	17.51	0.0564
77	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.97	17.67	0.0585
77	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@215	23.67	17.37	0.0546
77	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	108@54	21.78	15.48	0.0353
77	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.72	15.42	0.0348
77	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@215	21.44	15.14	0.0327
77	30	80	633334	3500.01	CP-OFDM QPSK	109@54	24.74	18.44	0.0698
77	30	80	633334	3500.01	CP-OFDM QPSK	1@1	24.82	18.52	0.0711
77	30	80	633334	3500.01	CP-OFDM QPSK	1@215	24.53	18.23	0.0665
77	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	108@54	26.27	19.97	0.0993
77	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@1	26.21	19.91	0.0979
77	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@215	25.97	19.67	0.0927
77	30	80	634000	3510	DFT-s-OFDM QPSK	108@54	26.29	19.99	0.0998
77	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	25.91	19.61	0.0914
77	30	80	634000	3510	DFT-s-OFDM QPSK	1@215	26.02	19.72	0.0938
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	108@54	25.27	18.97	0.0789
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	25.46	19.16	0.0824
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@215	25.15	18.85	0.0767

77	30	80	634000	3510	DFT-s-OFDM 64 QAM	108@54	23.8	17.5	0.0562
77	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@1	23.95	17.65	0.0582
77	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@215	23.73	17.43	0.0553
77	30	80	634000	3510	DFT-s-OFDM 256 QAM	108@54	21.82	15.52	0.0356
77	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@1	21.89	15.59	0.0362
77	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@215	21.48	15.18	0.0330
77	30	80	634000	3510	CP-OFDM QPSK	109@54	24.75	18.45	0.0700
77	30	80	634000	3510	CP-OFDM QPSK	1@1	24.81	18.51	0.0710
77	30	80	634000	3510	CP-OFDM QPSK	1@215	24.4	18.1	0.0646
77	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	120@60	26.09	19.79	0.0953
77	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@1	25.88	19.58	0.0908
77	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@243	25.91	19.61	0.0914
77	30	90	633000	3495	DFT-s-OFDM QPSK	120@60	26.05	19.75	0.0944
77	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	25.86	19.56	0.0904
77	30	90	633000	3495	DFT-s-OFDM QPSK	1@243	25.84	19.54	0.0899
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	120@60	25.06	18.76	0.0752
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	24.73	18.43	0.0697
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@243	24.89	18.59	0.0723
77	30	90	633000	3495	DFT-s-OFDM 64 QAM	120@60	23.58	17.28	0.0535
77	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@1	23.54	17.24	0.0530
77	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@243	23.43	17.13	0.0516
77	30	90	633000	3495	DFT-s-OFDM 256 QAM	120@60	21.61	15.31	0.0340
77	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@1	21.46	15.16	0.0328
77	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@243	21.53	15.23	0.0333

77	30	90	633000	3495	CP-OFDM QPSK	123@61	24.53	18.23	0.0665
77	30	90	633000	3495	CP-OFDM QPSK	1@1	24.32	18.02	0.0634
77	30	90	633000	3495	CP-OFDM QPSK	1@243	24.4	18.1	0.0646
77	30	90	633334	3500.01	DFT-s- OFDM PI/2 BPSK	120@60	26.09	19.79	0.0953
77	30	90	633334	3500.01	DFT-s- OFDM PI/2 BPSK	1@1	25.88	19.58	0.0908
77	30	90	633334	3500.01	DFT-s- OFDM PI/2 BPSK	1@243	25.84	19.54	0.0899
77	30	90	633334	3500.01	DFT-s- OFDM QPSK	120@60	26.09	19.79	0.0953
77	30	90	633334	3500.01	DFT-s- OFDM QPSK	1@1	25.85	19.55	0.0902
77	30	90	633334	3500.01	DFT-s- OFDM QPSK	1@243	25.87	19.57	0.0906
77	30	90	633334	3500.01	DFT-s- OFDM 16 QAM	120@60	25.1	18.8	0.0759
77	30	90	633334	3500.01	DFT-s- OFDM 16 QAM	1@1	24.82	18.52	0.0711
77	30	90	633334	3500.01	DFT-s- OFDM 16 QAM	1@243	24.84	18.54	0.0714
77	30	90	633334	3500.01	DFT-s- OFDM 64 QAM	120@60	23.58	17.28	0.0535
77	30	90	633334	3500.01	DFT-s- OFDM 64 QAM	1@1	23.5	17.2	0.0525
77	30	90	633334	3500.01	DFT-s- OFDM 64 QAM	1@243	23.43	17.13	0.0516
77	30	90	633334	3500.01	DFT-s- OFDM 256 QAM	120@60	21.54	15.24	0.0334
77	30	90	633334	3500.01	DFT-s- OFDM 256 QAM	1@1	21.49	15.19	0.0330
77	30	90	633334	3500.01	DFT-s- OFDM 256 QAM	1@243	21.44	15.14	0.0327
77	30	90	633334	3500.01	CP-OFDM QPSK	123@61	24.53	18.23	0.0665
77	30	90	633334	3500.01	CP-OFDM QPSK	1@1	24.4	18.1	0.0646
77	30	90	633334	3500.01	CP-OFDM QPSK	1@243	24.49	18.19	0.0659
77	30	90	633666	3504.99	DFT-s- OFDM PI/2 BPSK	120@60	26.07	19.77	0.0948
77	30	90	633666	3504.99	DFT-s- OFDM PI/2 BPSK	1@1	25.92	19.62	0.0916
77	30	90	633666	3504.99	DFT-s- OFDM PI/2 BPSK	1@243	25.9	19.6	0.0912
77	30	90	633666	3504.99	DFT-s- OFDM QPSK	120@60	26.1	19.8	0.0955

77	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	25.93	19.63	0.0918
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@243	25.9	19.6	0.0912
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	120@60	25.16	18.86	0.0769
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	25.04	18.74	0.0748
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@243	24.8	18.5	0.0708
77	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	120@60	23.64	17.34	0.0542
77	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@1	23.76	17.46	0.0557
77	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@243	23.47	17.17	0.0521
77	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	120@60	21.61	15.31	0.0340
77	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@1	21.52	15.22	0.0333
77	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@243	21.53	15.23	0.0333
77	30	90	633666	3504.99	CP-OFDM QPSK	123@61	24.57	18.27	0.0671
77	30	90	633666	3504.99	CP-OFDM QPSK	1@1	24.4	18.1	0.0646
77	30	90	633666	3504.99	CP-OFDM QPSK	1@243	24.48	18.18	0.0658
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	26.05	19.75	0.0944
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.88	19.58	0.0908
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	25.92	19.62	0.0916
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	26.05	19.75	0.0944
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.87	19.57	0.0906
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	25.91	19.61	0.0914
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	25.04	18.74	0.0748
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.87	18.57	0.0719
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	24.93	18.63	0.0729
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	23.56	17.26	0.0532

77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.54	17.24	0.0530
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	23.61	17.31	0.0538
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	21.54	15.24	0.0334
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.44	15.14	0.0327
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	21.48	15.18	0.0330
77	30	100	633334	3500.01	CP-OFDM QPSK	137@68	24.52	18.22	0.0664
77	30	100	633334	3500.01	CP-OFDM QPSK	1@1	24.35	18.05	0.0638
77	30	100	633334	3500.01	CP-OFDM QPSK	1@271	24.42	18.12	0.0649

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00307	PASS	NV
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00649	PASS	LV
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00449	PASS	HV
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00218	PASS	-30°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00521	PASS	-20°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00423	PASS	-10°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00208	PASS	0°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00631	PASS	10°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00572	PASS	20°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00585	PASS	30°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00386	PASS	40°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00462	PASS	50°C

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	50@0	7.35	13	PASS
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@0	8.5	13	PASS
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	50@0	8.52	13	PASS
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	8.5	13	PASS
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	7.36	13	PASS
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@0	7.6	13	PASS
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	8.53	13	PASS
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	8.5	13	PASS
77	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	50@0	7.37	13	PASS
77	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	1@0	7.72	13	PASS
77	30	20	636000	3540.0	DFT-s-OFDM QPSK	50@0	8.52	13	PASS
77	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	8.54	13	PASS

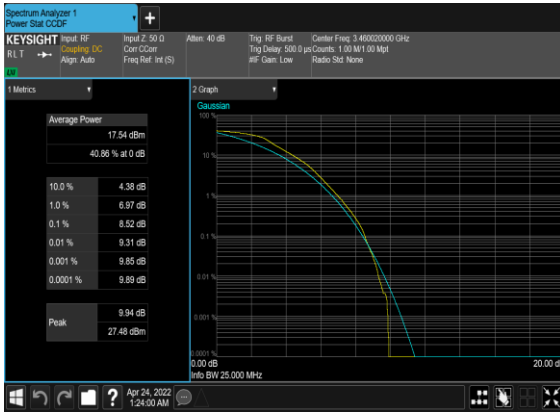
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



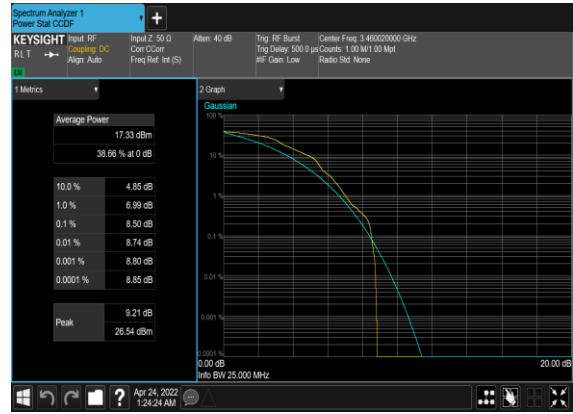
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



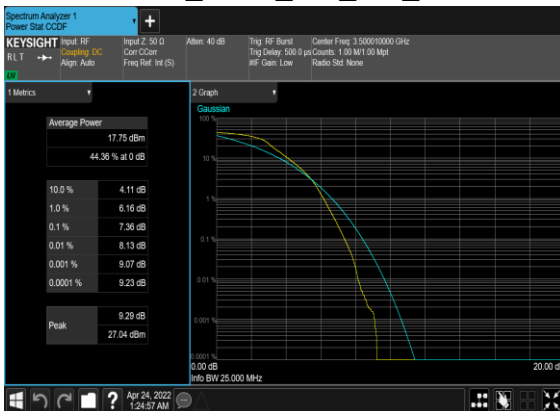
N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



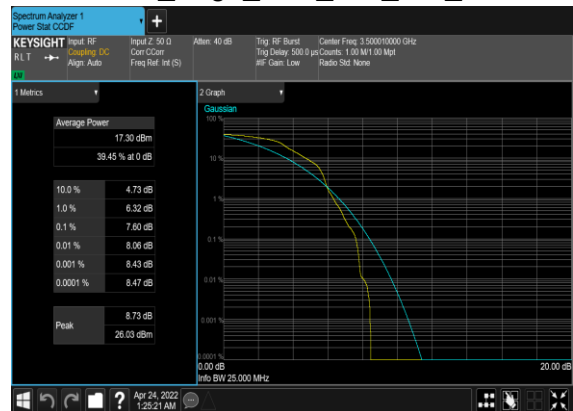
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



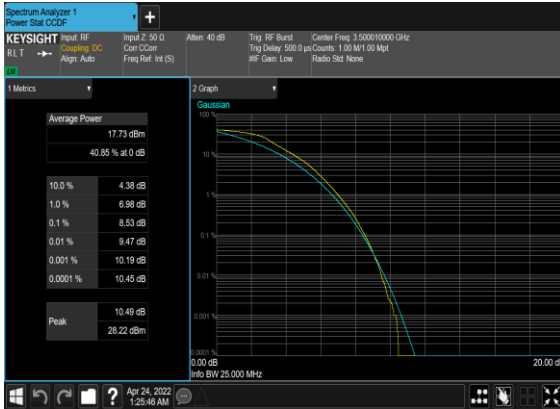
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



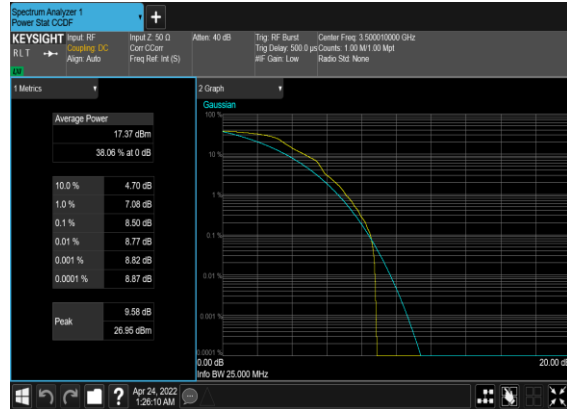
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



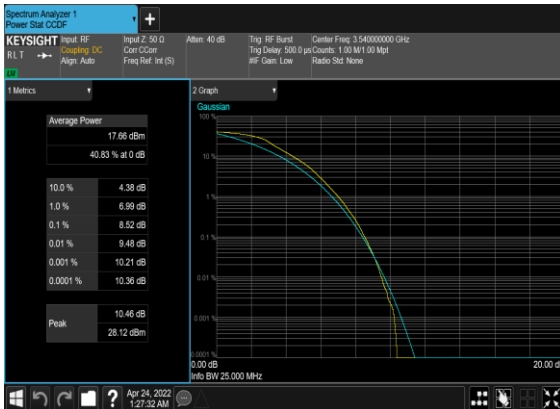
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



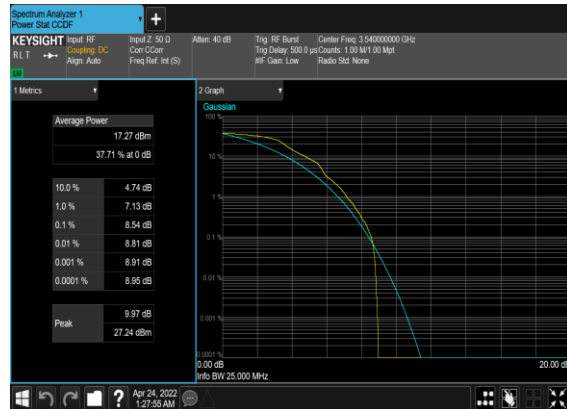
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_High_CH



N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



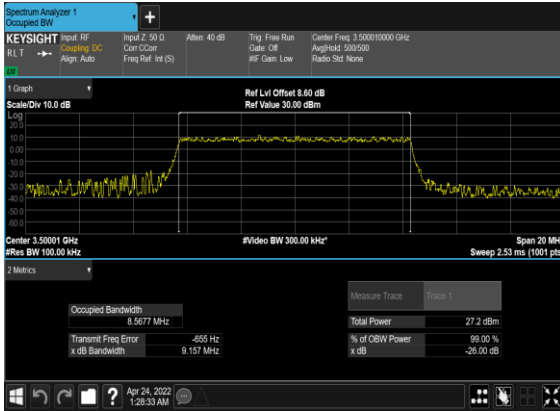
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
77	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	24@0	8.5677	9.157
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	24@0	8.5911	9.167
77	30	10	633334	3500.01	CP-OFDM QPSK	24@0	8.5681	9.179
77	30	10	633334	3500.01	CP-OFDM 16 QAM	24@0	8.5669	9.272
77	30	10	633334	3500.01	CP-OFDM 64 QAM	24@0	8.5729	9.234
77	30	10	633334	3500.01	CP-OFDM 256 QAM	24@0	8.5942	9.277
77	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@0	12.833	13.83
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	36@0	12.843	13.53
77	30	15	633334	3500.01	CP-OFDM QPSK	38@0	13.542	14.4
77	30	15	633334	3500.01	CP-OFDM 16 QAM	38@0	13.574	14.92
77	30	15	633334	3500.01	CP-OFDM 64 QAM	38@0	13.567	14.33
77	30	15	633334	3500.01	CP-OFDM 256 QAM	38@0	13.544	14.35
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	17.836	19.19
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	17.827	18.95
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18.211	19.07
77	30	20	633334	3500.01	CP-OFDM 16 QAM	51@0	18.206	20.14
77	30	20	633334	3500.01	CP-OFDM 64 QAM	51@0	18.2	19.33
77	30	20	633334	3500.01	CP-OFDM 256 QAM	51@0	18.188	19.13
77	30	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@0	22.779	23.82
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	64@0	22.803	23.97
77	30	25	633334	3500.01	CP-OFDM QPSK	65@0	23.174	24.17
77	30	25	633334	3500.01	CP-OFDM 16 QAM	65@0	23.172	24.24
77	30	25	633334	3500.01	CP-OFDM 64 QAM	65@0	23.196	24.21
77	30	25	633334	3500.01	CP-OFDM 256 QAM	65@0	23.137	24.22

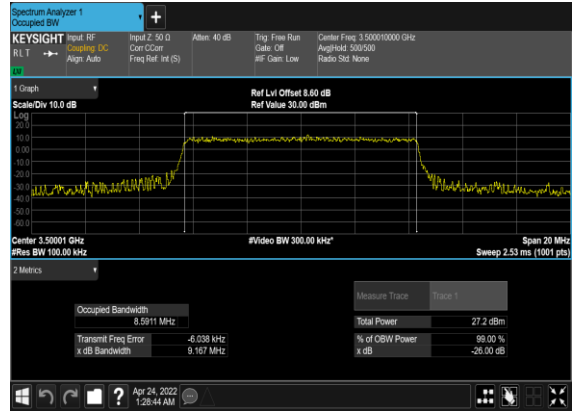
77	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	75@0	26.702	27.99
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	75@0	26.801	28.3
77	30	30	633334	3500.01	CP-OFDM QPSK	78@0	27.866	29.19
77	30	30	633334	3500.01	CP-OFDM 16 QAM	78@0	27.855	29.18
77	30	30	633334	3500.01	CP-OFDM 64 QAM	78@0	27.815	29.11
77	30	30	633334	3500.01	CP-OFDM 256 QAM	78@0	27.867	29.06
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	100@0	35.729	37.14
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	100@0	35.741	37.2
77	30	40	633334	3500.01	CP-OFDM QPSK	106@0	37.741	39.24
77	30	40	633334	3500.01	CP-OFDM 16 QAM	106@0	37.847	39.22
77	30	40	633334	3500.01	CP-OFDM 64 QAM	106@0	37.864	39.13
77	30	40	633334	3500.01	CP-OFDM 256 QAM	106@0	37.838	40.33
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	128@0	45.763	47.52
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	128@0	45.741	47.28
77	30	50	633334	3500.01	CP-OFDM QPSK	133@0	47.436	49.23
77	30	50	633334	3500.01	CP-OFDM 16 QAM	133@0	47.512	49.25
77	30	50	633334	3500.01	CP-OFDM 64 QAM	133@0	47.458	49.07
77	30	50	633334	3500.01	CP-OFDM 256 QAM	133@0	47.466	49.43
77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	162@0	57.838	59.68
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	162@0	57.805	59.81
77	30	60	633334	3500.01	CP-OFDM QPSK	162@0	57.795	59.67
77	30	60	633334	3500.01	CP-OFDM 16 QAM	162@0	57.796	59.91
77	30	60	633334	3500.01	CP-OFDM 64 QAM	162@0	57.832	60.76
77	30	60	633334	3500.01	CP-OFDM 256 QAM	162@0	57.796	59.98
77	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	180@0	64.286	66.4
77	30	70	633334	3500.01	DFT-s-OFDM	180@0	64.409	66.46

QPSK								
77	30	70	633334	3500.01	CP-OFDM QPSK	189@0	67.467	70.65
77	30	70	633334	3500.01	CP-OFDM 16 QAM	189@0	67.405	69.77
77	30	70	633334	3500.01	CP-OFDM 64 QAM	189@0	67.442	70.25
77	30	70	633334	3500.01	CP-OFDM 256 QAM	189@0	67.409	69.74
77	30	80	633334	3500.01	DFT-s- OFDM PI/2 BPSK	216@0	77.184	79.62
77	30	80	633334	3500.01	DFT-s- OFDM QPSK	216@0	77.181	79.62
77	30	80	633334	3500.01	CP-OFDM QPSK	217@0	77.348	80.19
77	30	80	633334	3500.01	CP-OFDM 16 QAM	217@0	77.372	79.96
77	30	80	633334	3500.01	CP-OFDM 64 QAM	217@0	77.369	79.96
77	30	80	633334	3500.01	CP-OFDM 256 QAM	217@0	77.477	80.28
77	30	90	633334	3500.01	DFT-s- OFDM PI/2 BPSK	240@0	86.952	89.59
77	30	90	633334	3500.01	DFT-s- OFDM QPSK	240@0	85.642	91.72
77	30	90	633334	3500.01	CP-OFDM QPSK	245@0	87.319	92.7
77	30	90	633334	3500.01	CP-OFDM 16 QAM	245@0	87.463	90.22
77	30	90	633334	3500.01	CP-OFDM 64 QAM	245@0	87.528	90.26
77	30	90	633334	3500.01	CP-OFDM 256 QAM	245@0	87.326	90.26
77	30	100	633334	3500.01	DFT-s- OFDM PI/2 BPSK	270@0	96.578	99.36
77	30	100	633334	3500.01	DFT-s- OFDM QPSK	270@0	96.443	99.48
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	97.359	100.6
77	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	97.339	100.5
77	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	97.471	100.6
77	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	97.321	100.6

N77(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



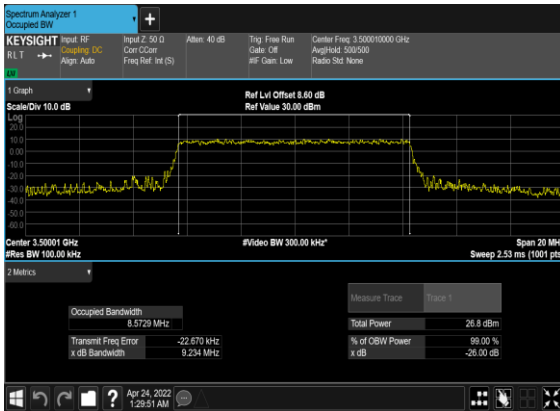
N77(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



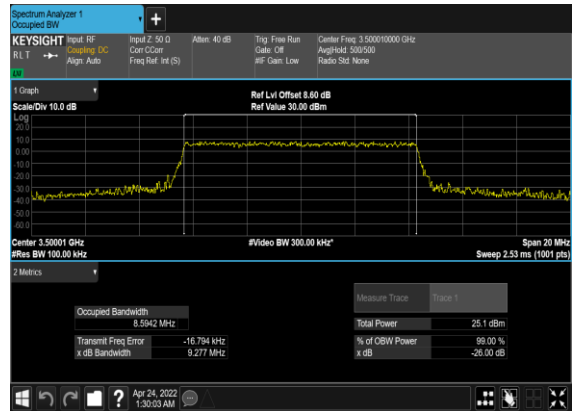
N77(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



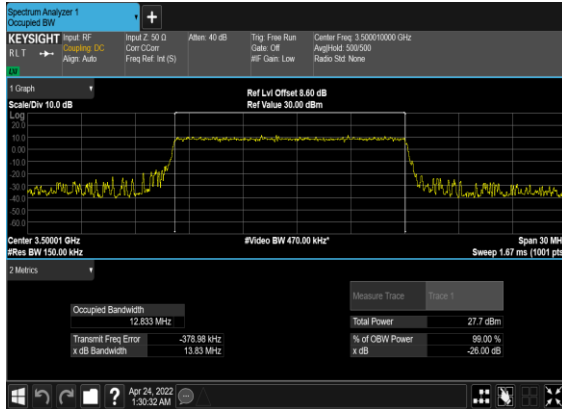
N77(10M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



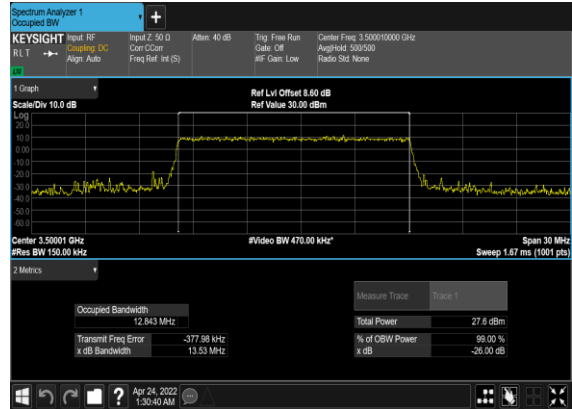
N77(10M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



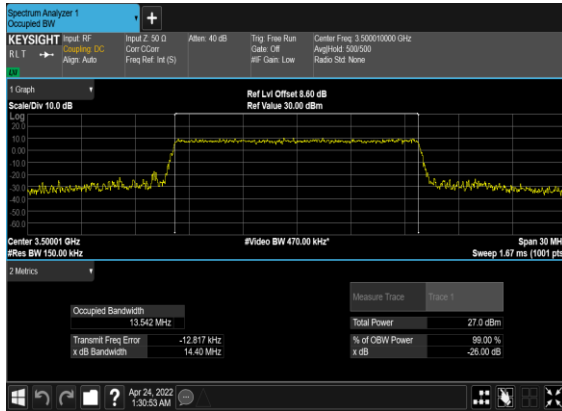
N77(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



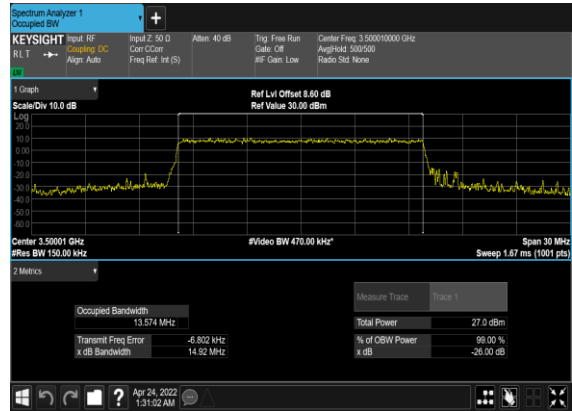
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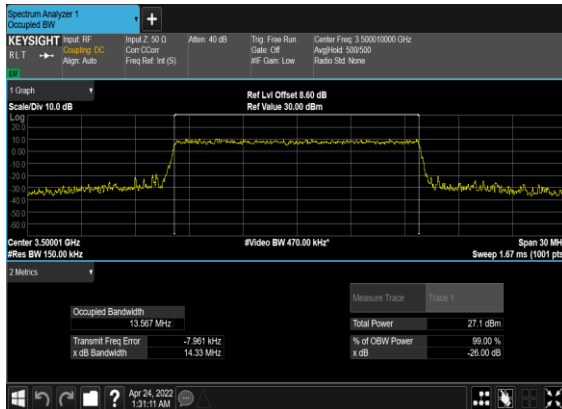
N77(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



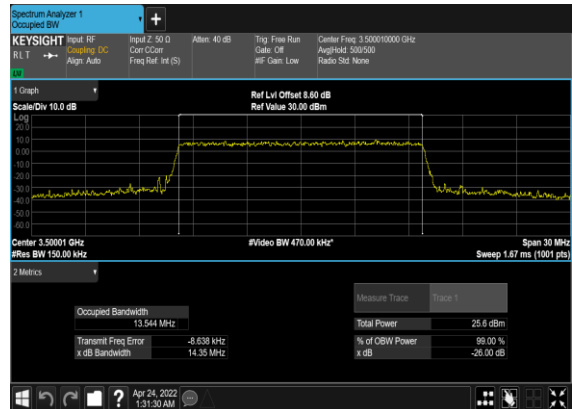
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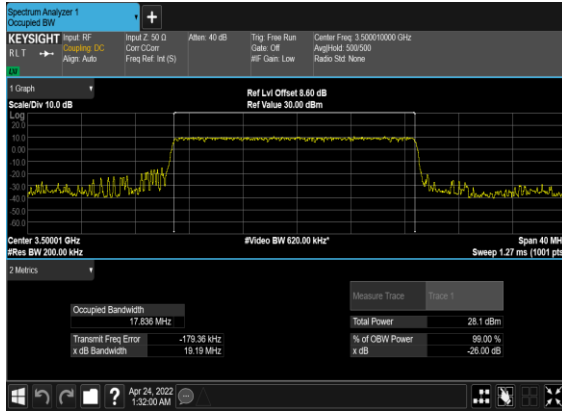
N77(15M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



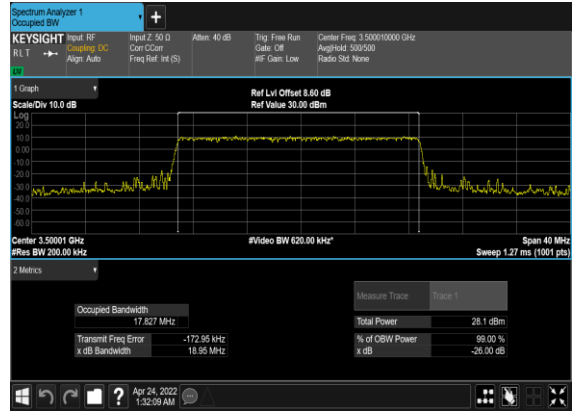
N77(15M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



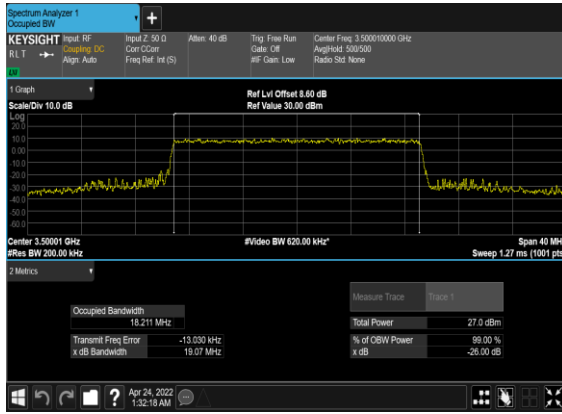
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



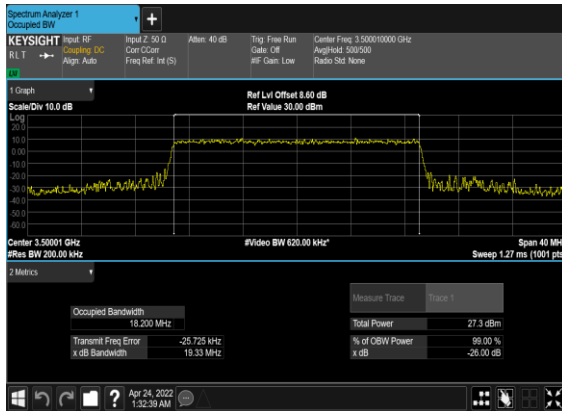
N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



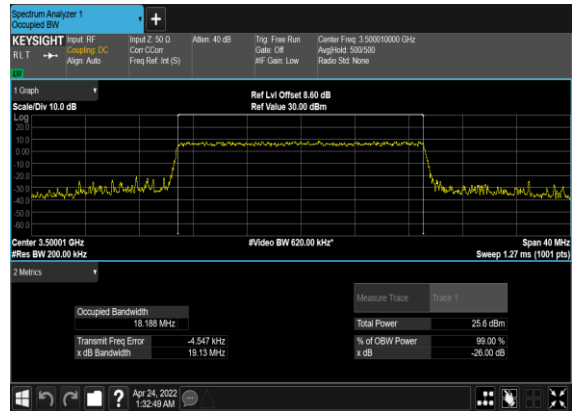
N77(20M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



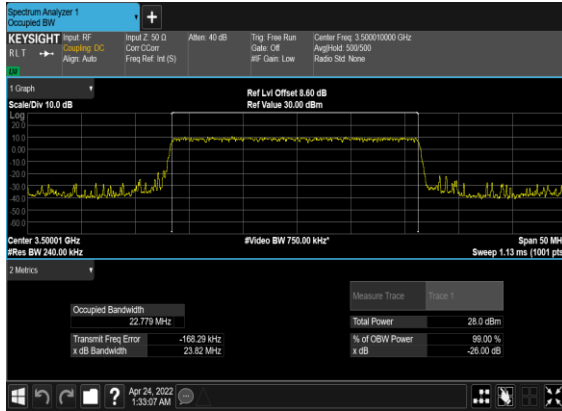
N77(20M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



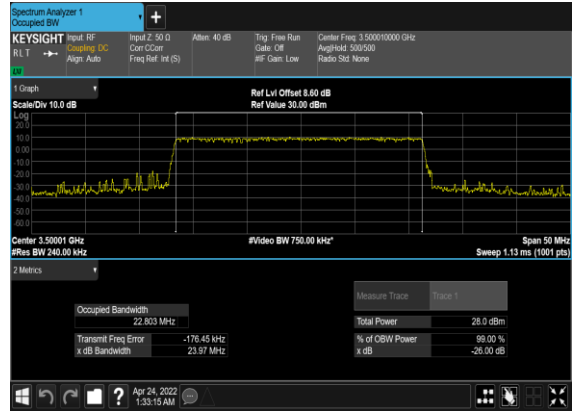
N77(20M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



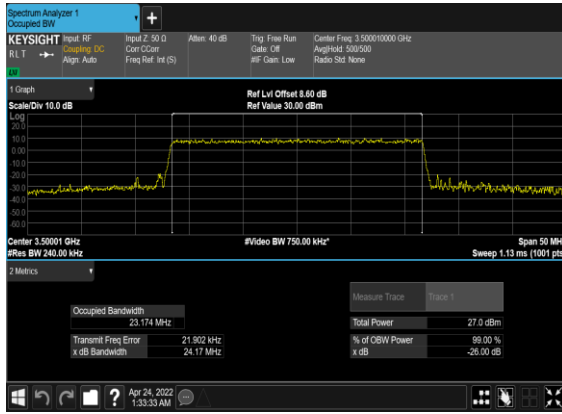
N77(25M)_DFT-s-OFDM_PI_2- BPSK_Outer_Full_Mid_CH



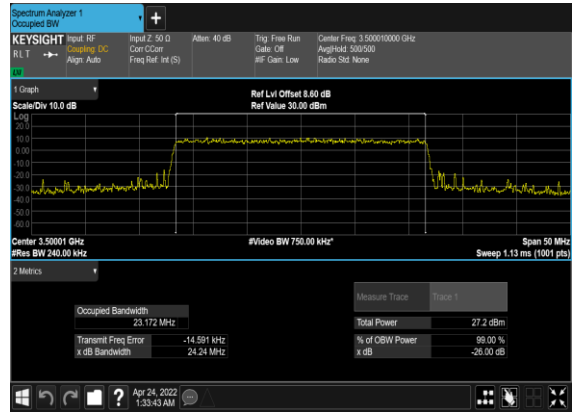
N77(25M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



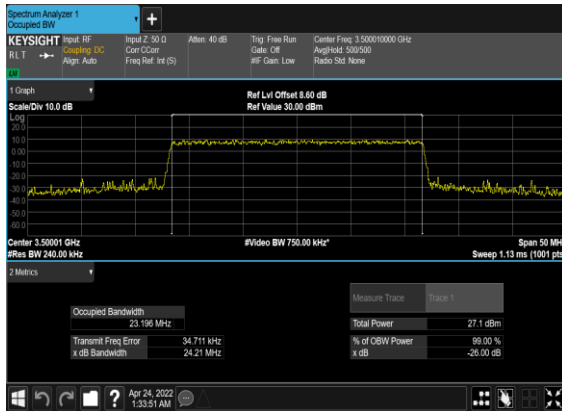
N77(25M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



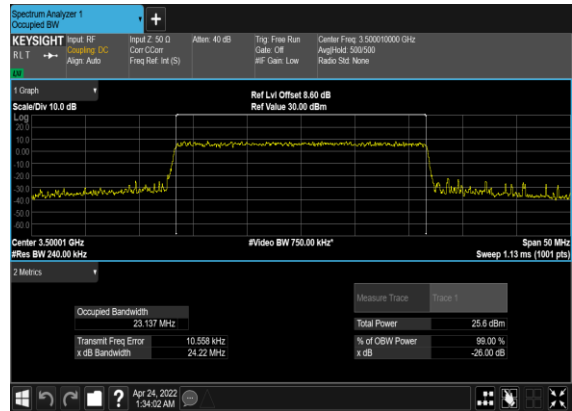
N77(25M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



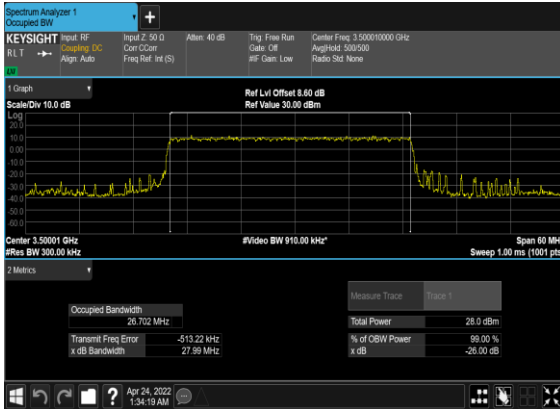
N77(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



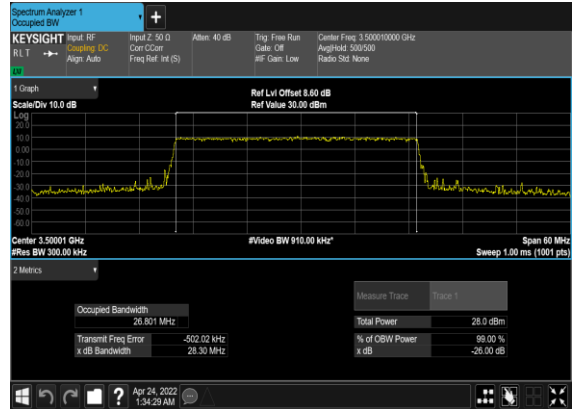
N77(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



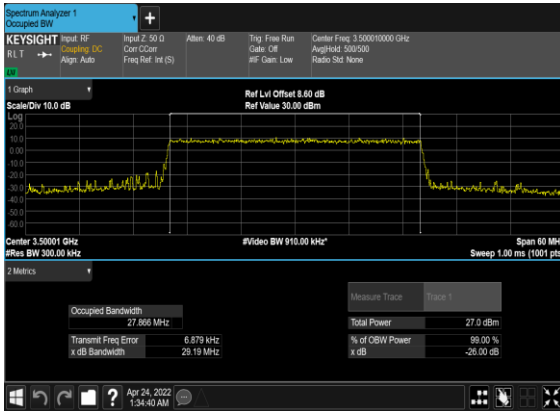
N77(30M)_DFT-s-OFDM_PI_2- BPSK_Outer_Full_Mid_CH



N77(30M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



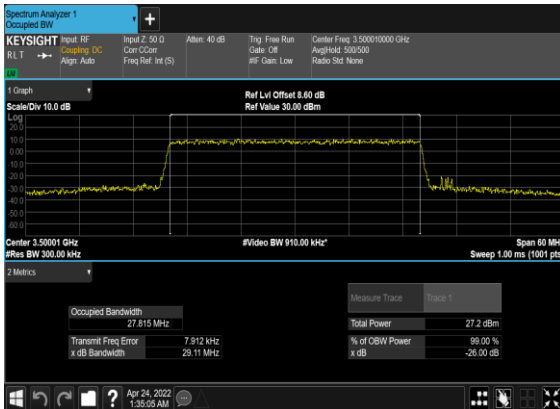
N77(30M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



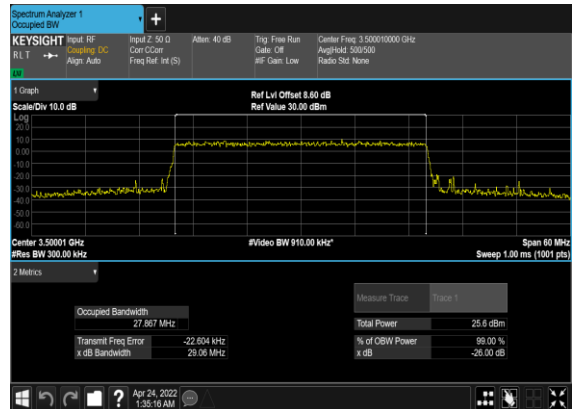
N77(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



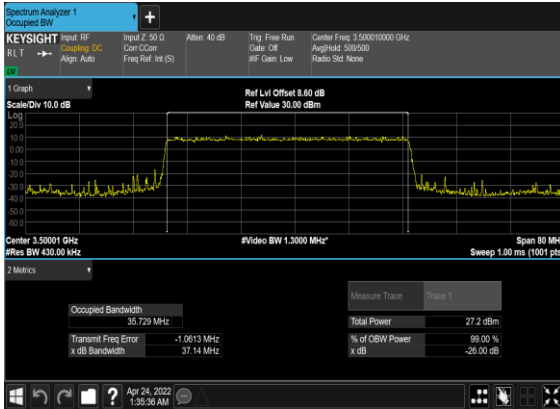
N77(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



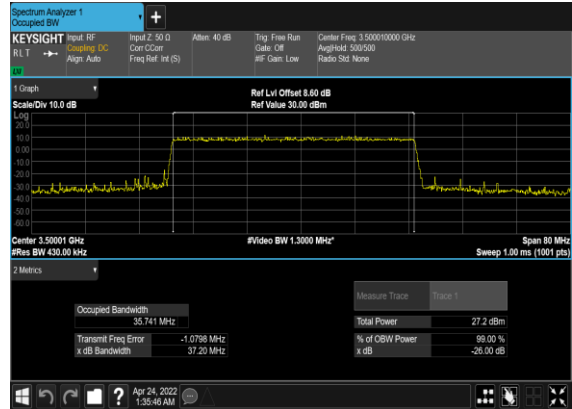
N77(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



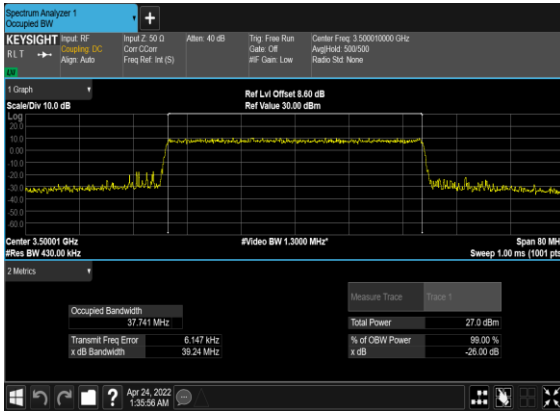
N77(40M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



N77(40M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



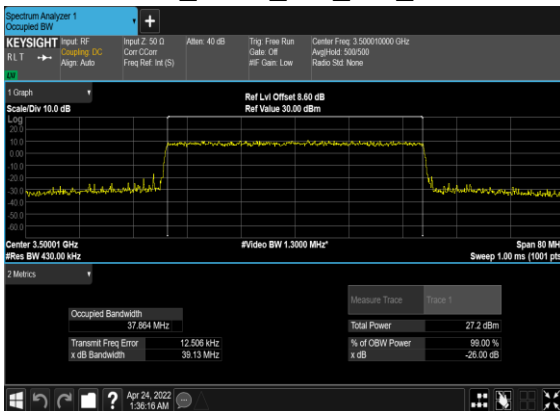
N77(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



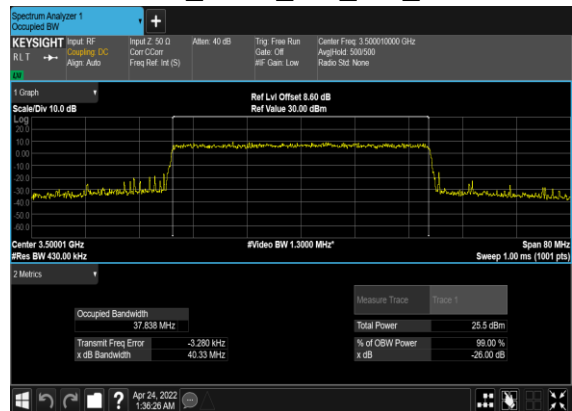
N77(40M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



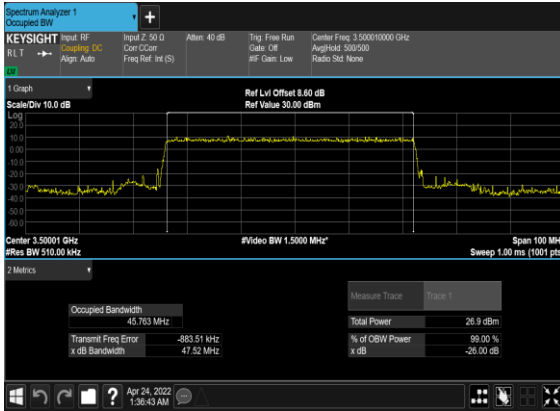
N77(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



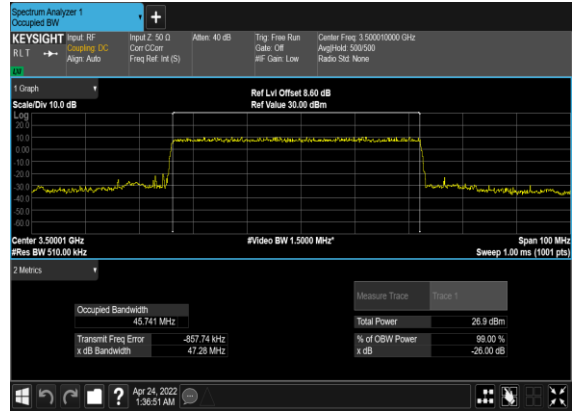
N77(40M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



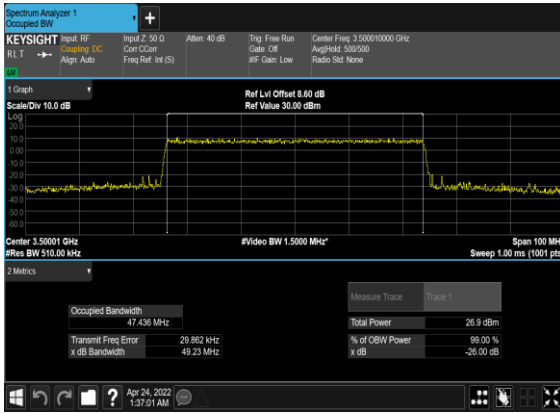
N77(50M)_DFT-s-OFDM_PI_2- BPSK_Outer_Full_Mid_CH



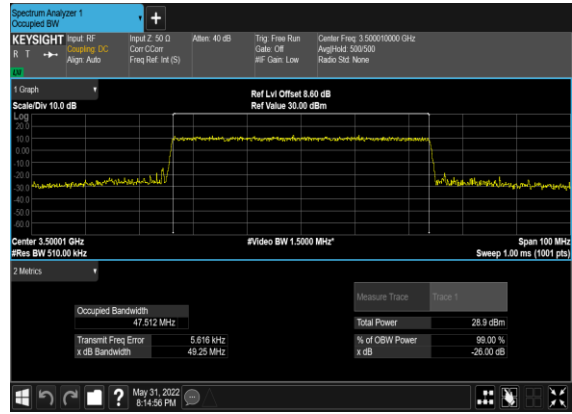
N77(50M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



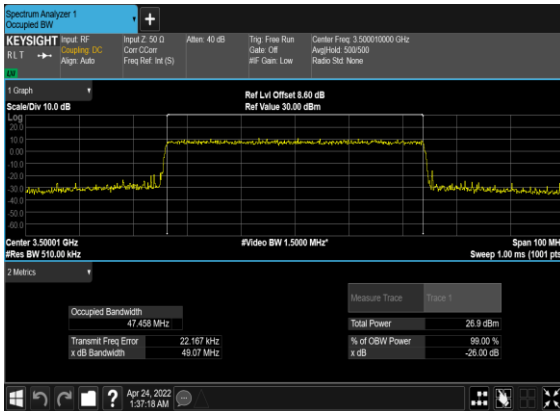
N77(50M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

