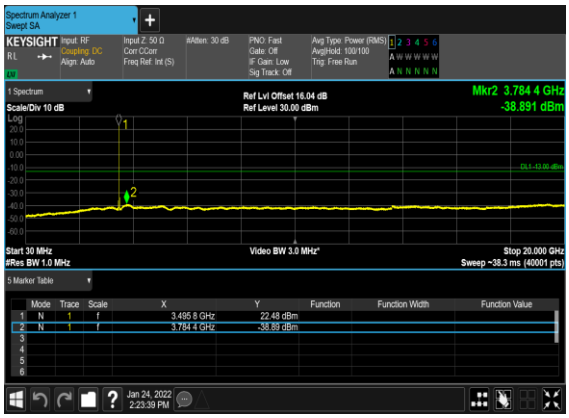
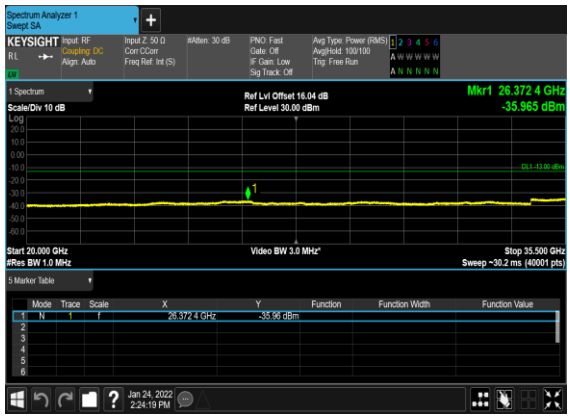
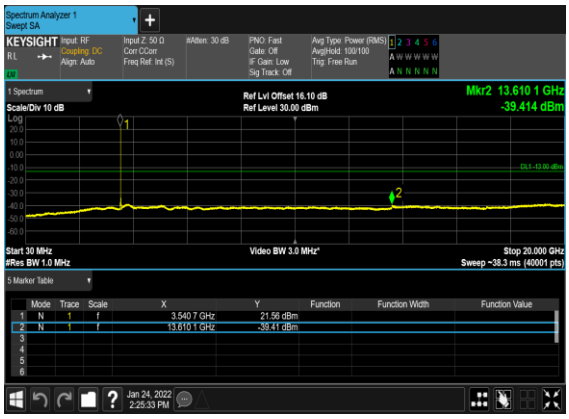
N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

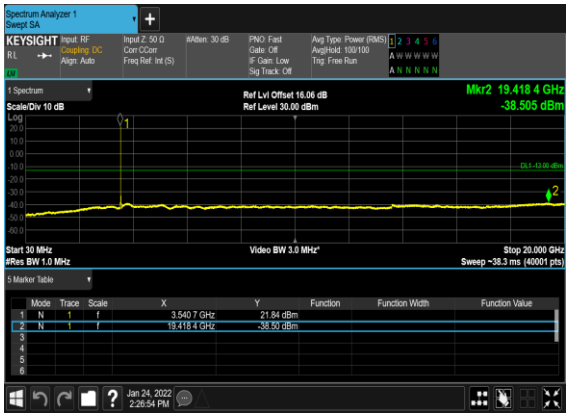


N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

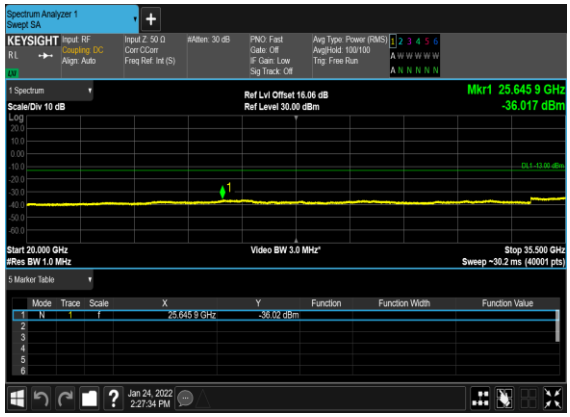


N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

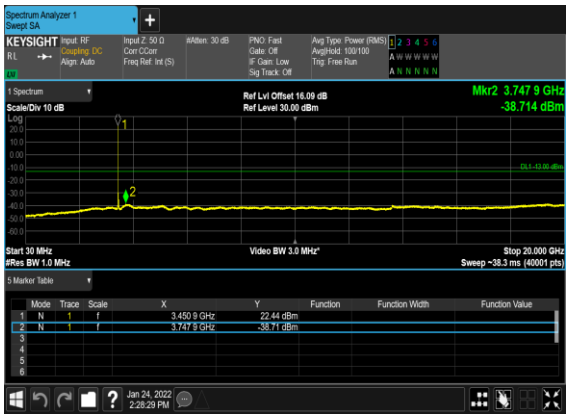
N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



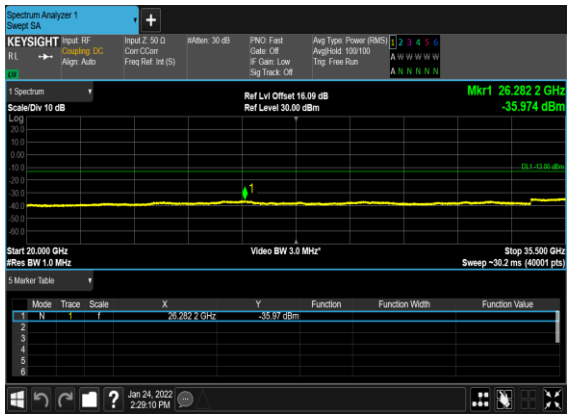
N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



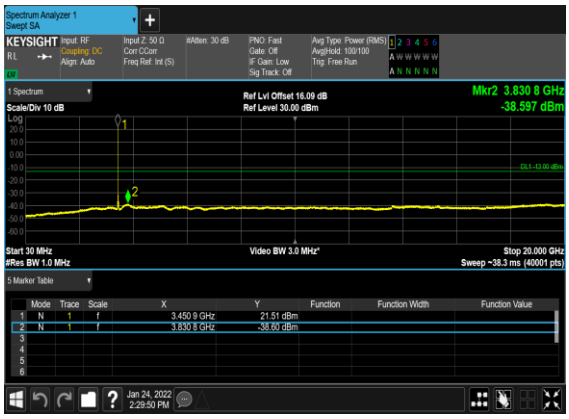
N78(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



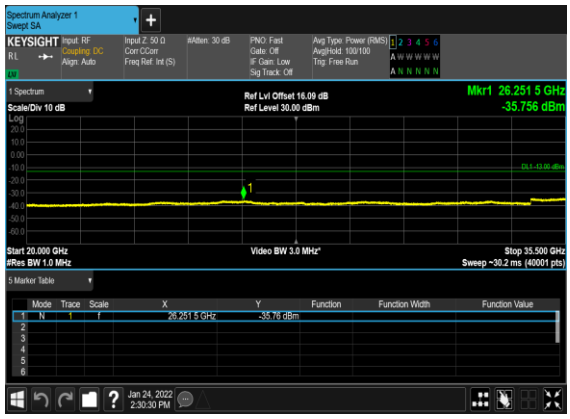
N78(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



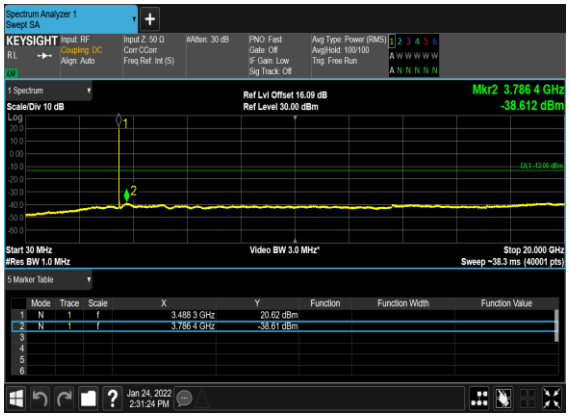
N78(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



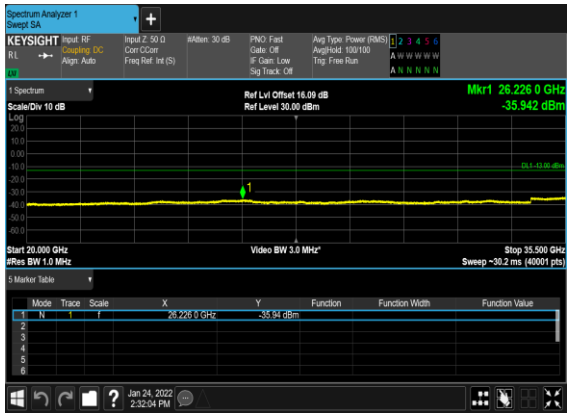
N78(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



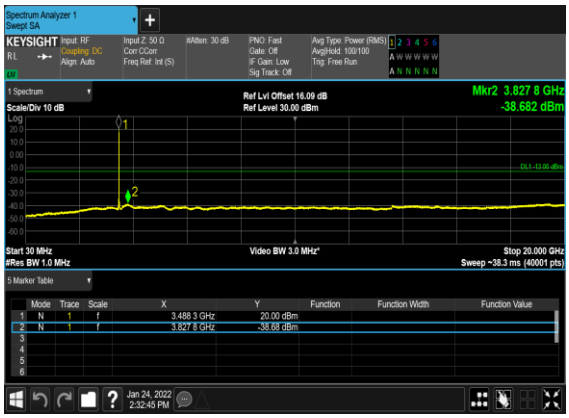
N78(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



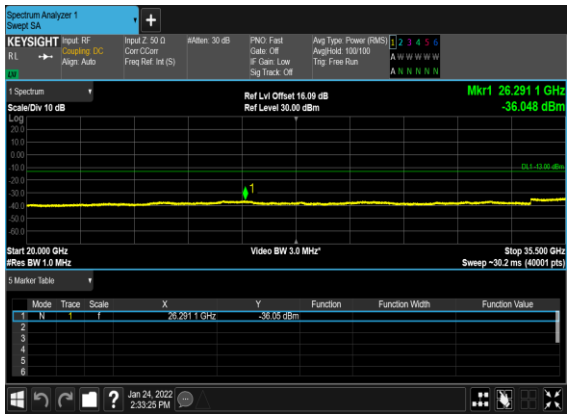
N78(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



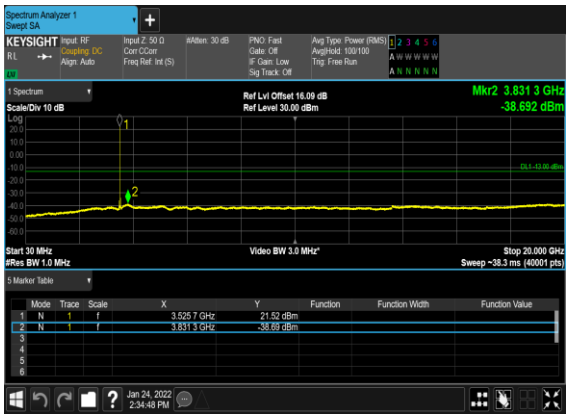
N78(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



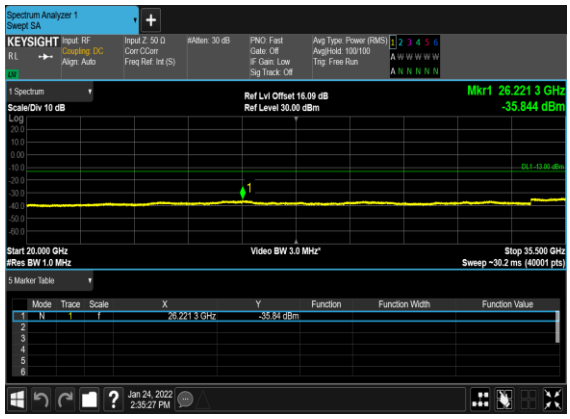
N78(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



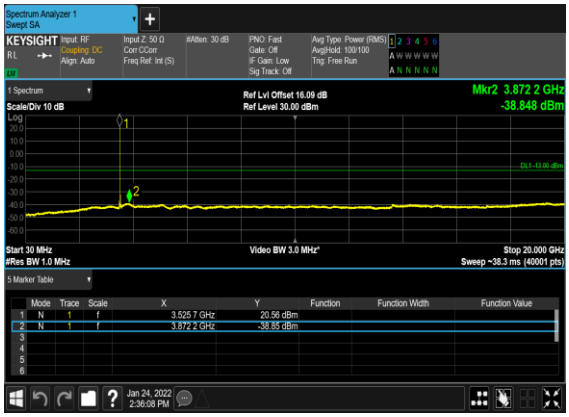
N78(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



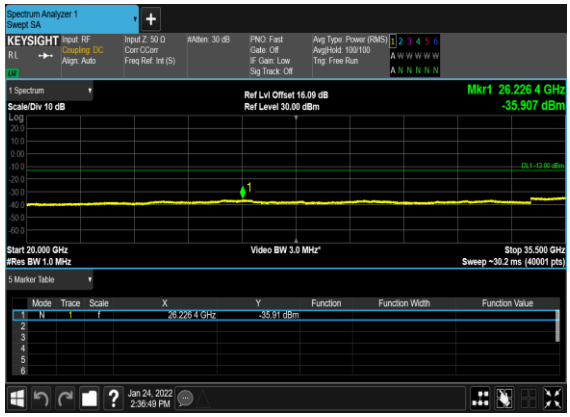
N78(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



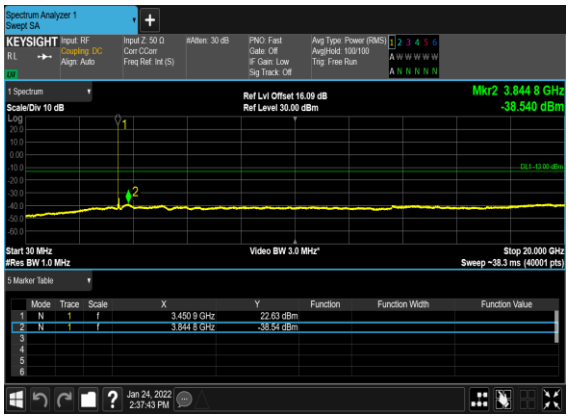
N78(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



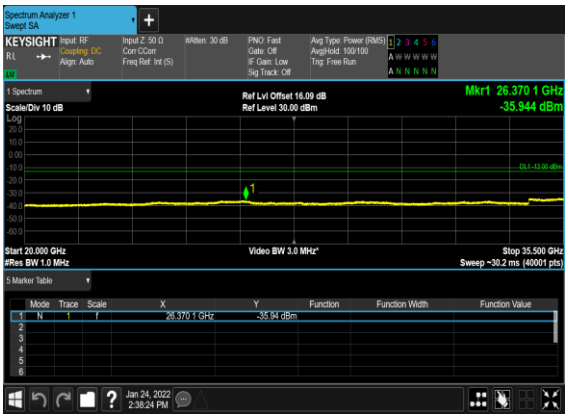
N78(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



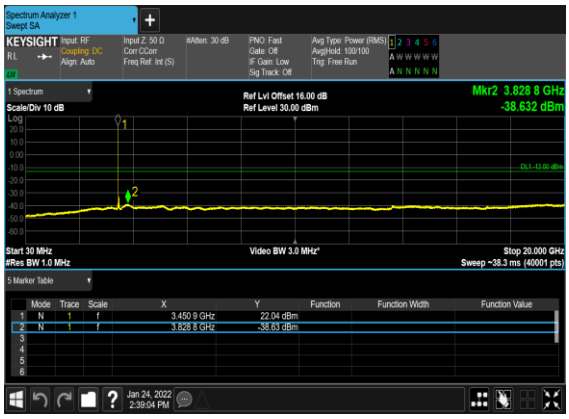
N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



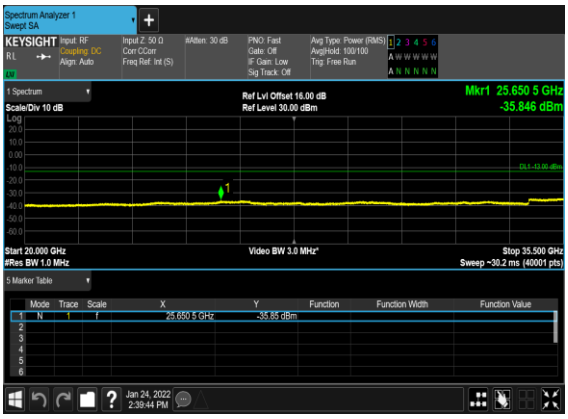
N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



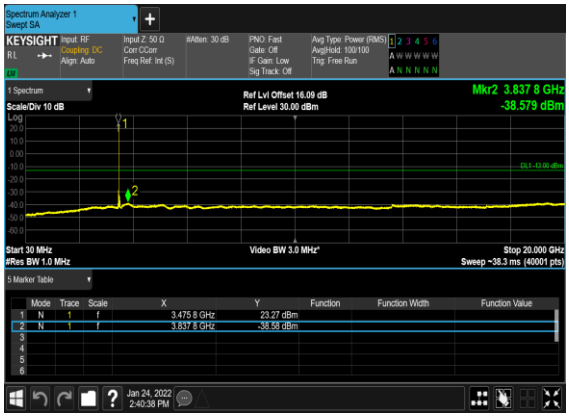
N78(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



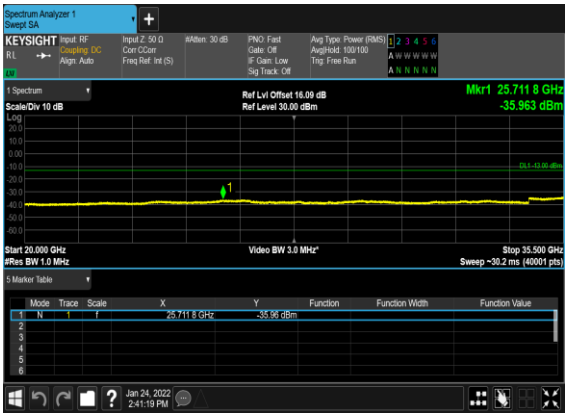
N78(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



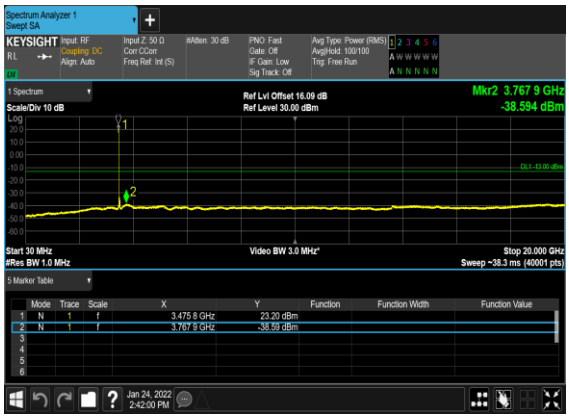
N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



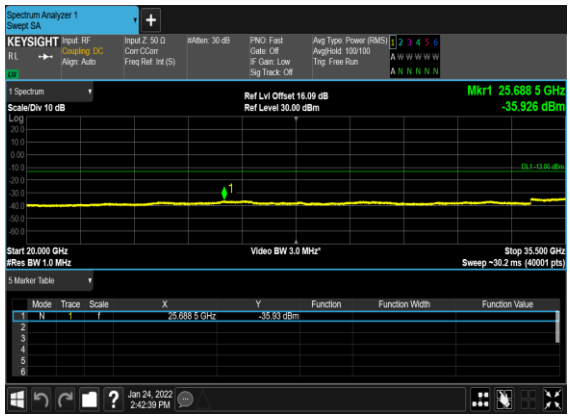
N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



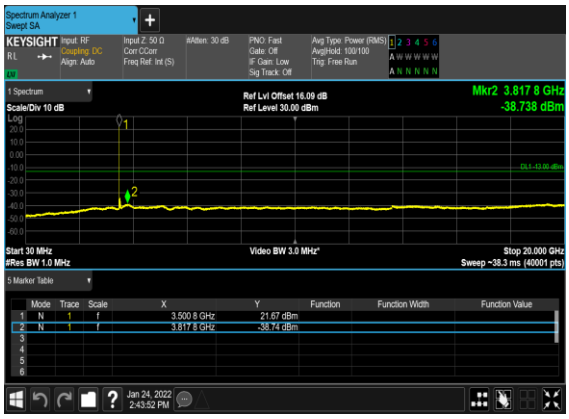
N78(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



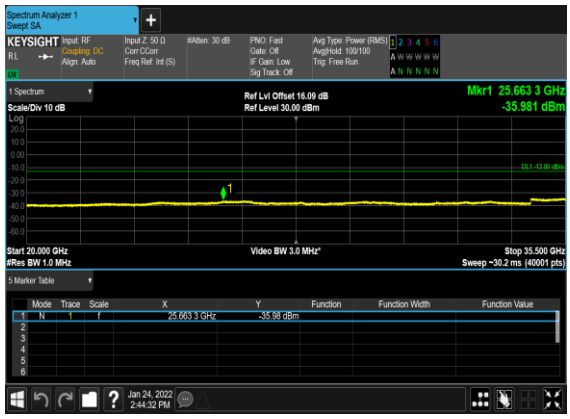
N78(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



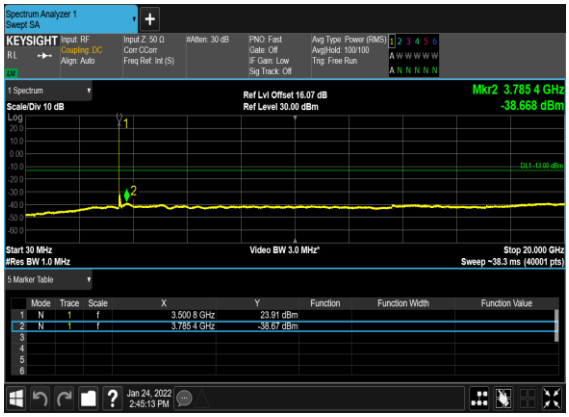
N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



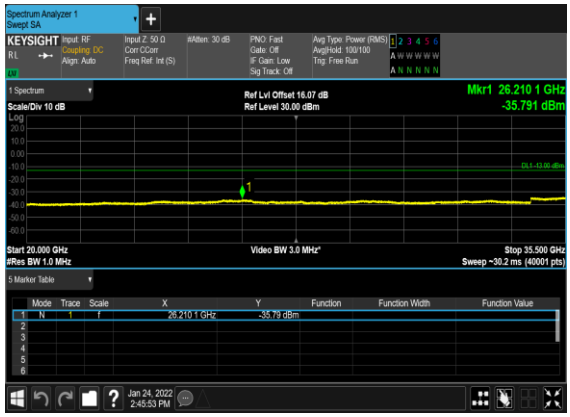
N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N78(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N78(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
78	15	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	10	630334	3455.01	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
78	15	10	630334	3455.01	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
78	15	10	636333	3544.995	DFT-s-OFDM BPSK	1@51	see graph	**PASS**
78	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@51	see graph	**PASS**
78	15	10	636333	3544.995	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
78	15	10	636333	3544.995	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
78	15	25	630834	3462.51	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	25	630834	3462.51	DFT-s-OFDM BPSK	128@0	see graph	**PASS**
78	15	25	630834	3462.51	DFT-s-OFDM QPSK	128@0	see graph	**PASS**
78	15	25	635833	3537.495	DFT-s-OFDM BPSK	1@132	see graph	**PASS**
78	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@132	see graph	**PASS**
78	15	25	635833	3537.495	DFT-s-OFDM BPSK	128@0	see graph	**PASS**
78	15	25	635833	3537.495	DFT-s-OFDM QPSK	128@0	see graph	**PASS**
78	15	50	631667	3475.005	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	50	631667	3475.005	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	270@0	see graph	**PASS**
78	15	50	635000	3525.0	DFT-s-OFDM BPSK	1@269	see graph	**PASS**
78	15	50	635000	3525.0	DFT-s-OFDM QPSK	1@269	see graph	**PASS**

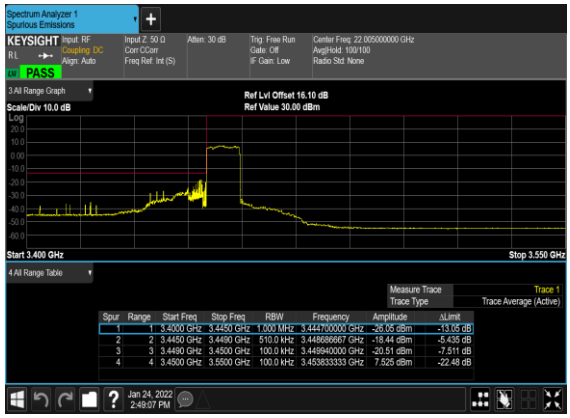
78	15	50	635000	3525.0	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
78	15	50	635000	3525.0	DFT-s-OFDM QPSK	270@0	see graph	**PASS**

N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

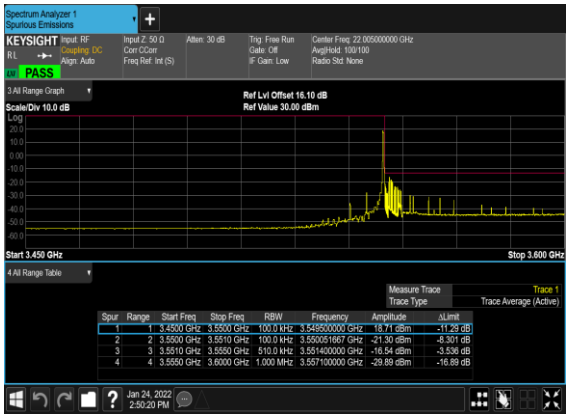
N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

N78(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

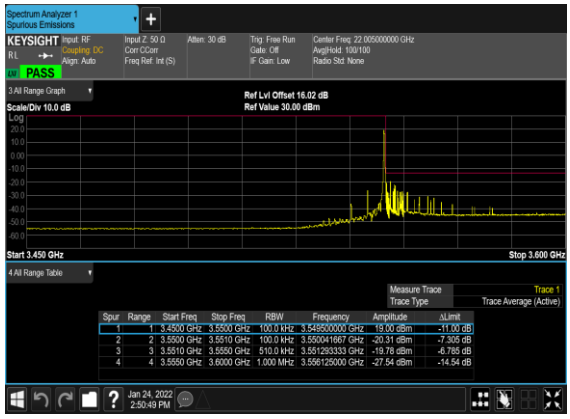
N78(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



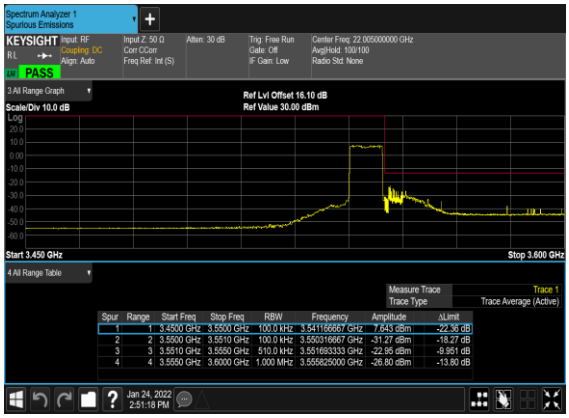
N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

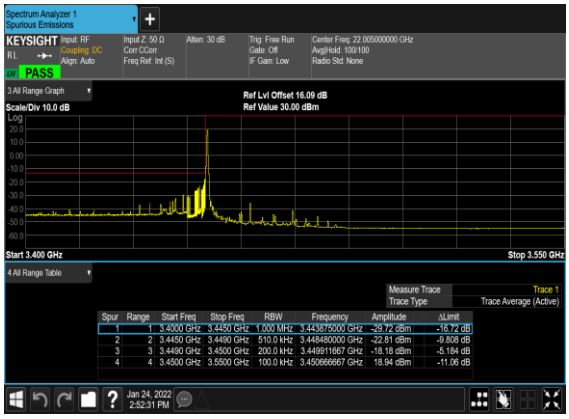


N78(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



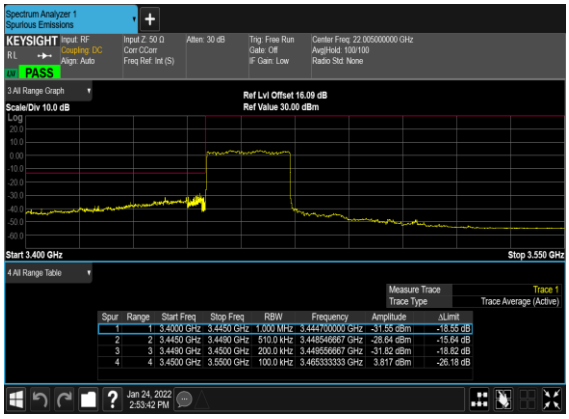
N78(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

N78(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

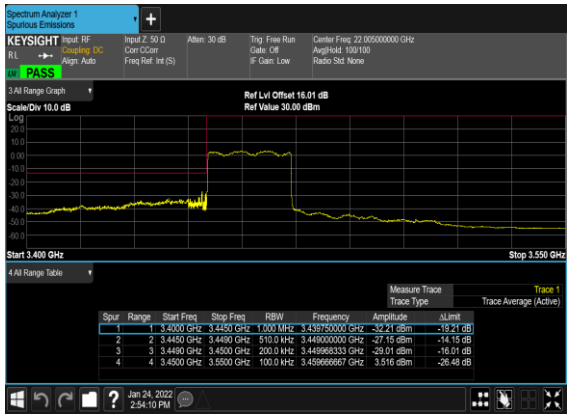


N78(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

N78(25M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

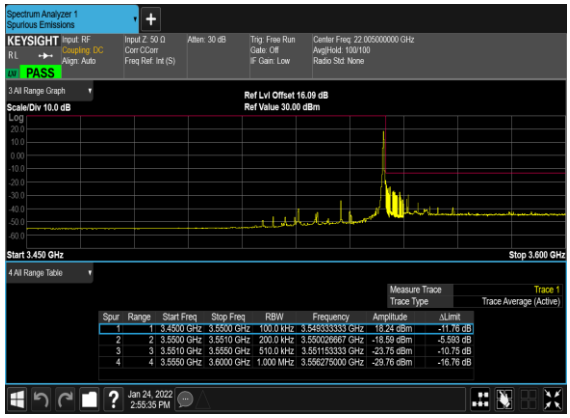


N78(25M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

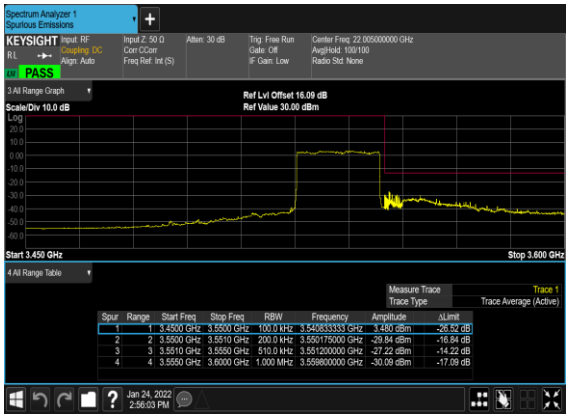


N78(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

N78(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

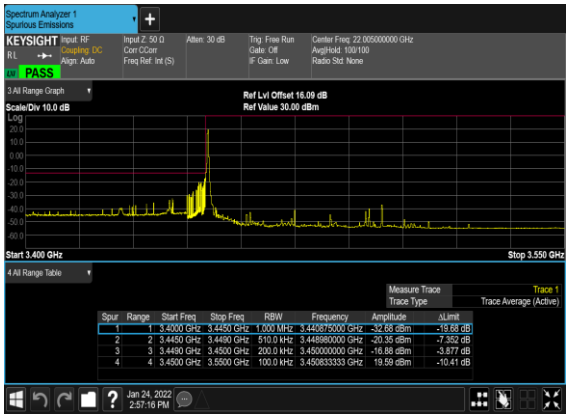


N78(25M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

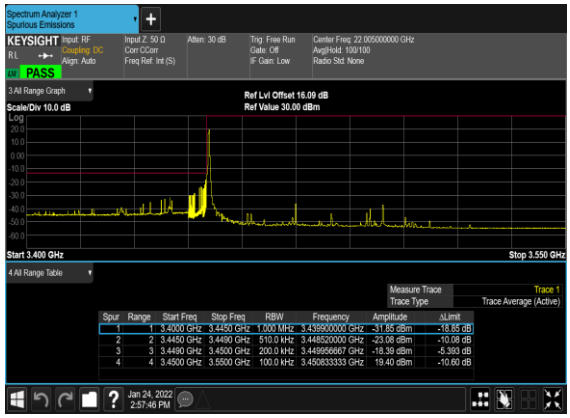


N78(25M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

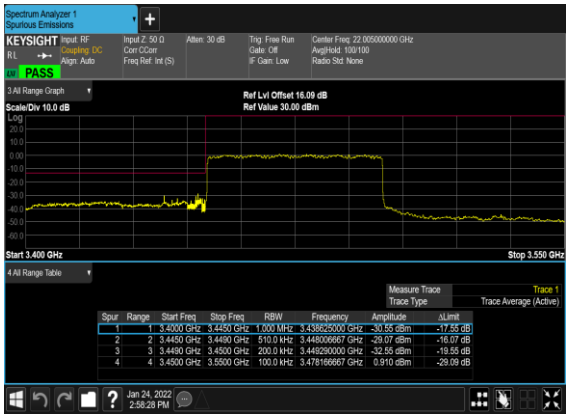
N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



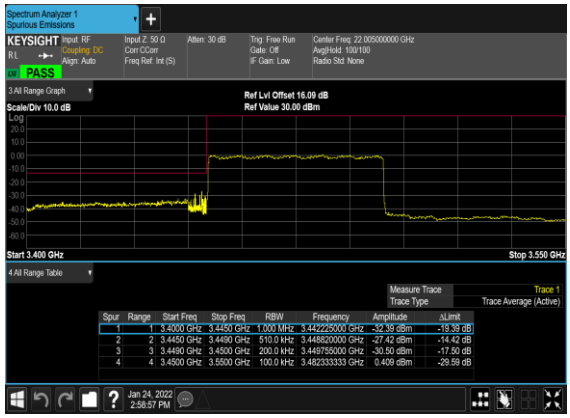
N78(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



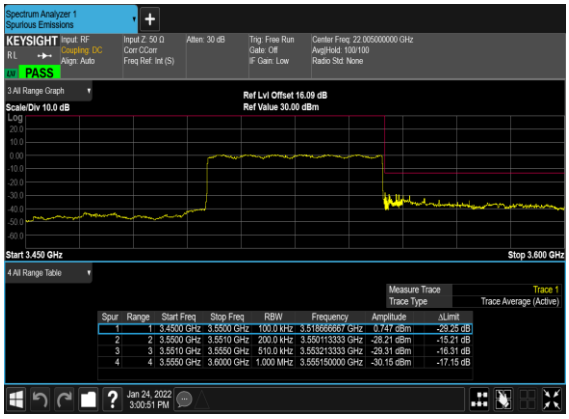
N78(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



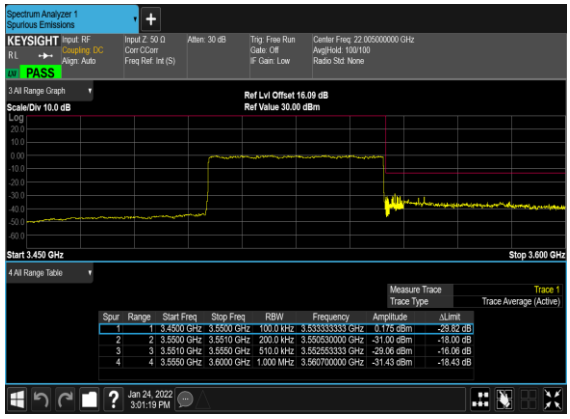
N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

N78(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

N78(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N78(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 22.02.011702

FR1 N78

Transmitter Conducted Output Power And EIRP, (G_T - L_C) =-1.02dB

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	27.04	26.02	0.3999
78	30	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@1	27	25.98	0.3963
78	30	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@22	26.97	25.95	0.3936
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	12@6	27.03	26.01	0.3990
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	27.01	25.99	0.3972
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@22	27.04	26.02	0.3999
78	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	12@6	26.09	25.07	0.3214
78	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	25.97	24.95	0.3126
78	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@22	26.04	25.02	0.3177
78	30	10	630334	3455.01	DFT-s-OFDM 64 QAM	12@6	24.59	23.57	0.2275
78	30	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@1	24.51	23.49	0.2234
78	30	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@22	24.6	23.58	0.2280
78	30	10	630334	3455.01	DFT-s-OFDM 256 QAM	12@6	22.56	21.54	0.1426
78	30	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@1	22.55	21.53	0.1422
78	30	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@22	22.48	21.46	0.1400
78	30	10	630334	3455.01	CP-OFDM QPSK	12@6	25.61	24.59	0.2877
78	30	10	630334	3455.01	CP-OFDM QPSK	1@1	25.59	24.57	0.2864
78	30	10	630334	3455.01	CP-OFDM QPSK	1@22	25.49	24.47	0.2799
78	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	12@6	26.86	25.84	0.3837
78	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.83	25.81	0.3811

78	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@22	26.75	25.73	0.3741
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	12@6	26.82	25.8	0.3802
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.85	25.83	0.3828
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@22	26.79	25.77	0.3776
78	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	12@6	25.88	24.86	0.3062
78	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.85	24.83	0.3041
78	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@22	25.83	24.81	0.3027
78	30	10	633334	3500.01	DFT-s-OFDM 64 QAM	12@6	24.42	23.4	0.2188
78	30	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.32	23.3	0.2138
78	30	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@22	24.35	23.33	0.2153
78	30	10	633334	3500.01	DFT-s-OFDM 256 QAM	12@6	22.32	21.3	0.1349
78	30	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.4	21.38	0.1374
78	30	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@22	22.25	21.23	0.1327
78	30	10	633334	3500.01	CP-OFDM QPSK	12@6	25.35	24.33	0.2710
78	30	10	633334	3500.01	CP-OFDM QPSK	1@1	25.32	24.3	0.2692
78	30	10	633334	3500.01	CP-OFDM QPSK	1@22	25.13	24.11	0.2576
78	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	12@6	26.88	25.86	0.3855
78	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	1@1	26.88	25.86	0.3855
78	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	1@22	26.81	25.79	0.3793
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	12@6	26.93	25.91	0.3899
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	26.9	25.88	0.3873
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@22	26.84	25.82	0.3819
78	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	12@6	25.94	24.92	0.3105
78	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	25.87	24.85	0.3055

78	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@22	25.93	24.91	0.3097
78	30	10	636332	3544.98	DFT-s-OFDM 64 QAM	12@6	24.48	23.46	0.2218
78	30	10	636332	3544.98	DFT-s-OFDM 64 QAM	1@1	24.32	23.3	0.2138
78	30	10	636332	3544.98	DFT-s-OFDM 64 QAM	1@22	24.31	23.29	0.2133
78	30	10	636332	3544.98	DFT-s-OFDM 256 QAM	12@6	22.41	21.39	0.1377
78	30	10	636332	3544.98	DFT-s-OFDM 256 QAM	1@1	22.4	21.38	0.1374
78	30	10	636332	3544.98	DFT-s-OFDM 256 QAM	1@22	22.34	21.32	0.1355
78	30	10	636332	3544.98	CP-OFDM QPSK	12@6	25.44	24.42	0.2767
78	30	10	636332	3544.98	CP-OFDM QPSK	1@1	25.37	24.35	0.2723
78	30	10	636332	3544.98	CP-OFDM QPSK	1@22	25.3	24.28	0.2679
78	30	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	18@9	27.01	25.99	0.3972
78	30	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@1	27	25.98	0.3963
78	30	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@36	27.05	26.03	0.4009
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	18@9	27.06	26.04	0.4018
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	27.01	25.99	0.3972
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@36	27.05	26.03	0.4009
78	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	18@9	26.09	25.07	0.3214
78	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	26	24.98	0.3148
78	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@36	26.04	25.02	0.3177
78	30	15	630500	3457.5	DFT-s-OFDM 64 QAM	18@9	24.58	23.56	0.2270
78	30	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@1	24.49	23.47	0.2223
78	30	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@36	24.38	23.36	0.2168
78	30	15	630500	3457.5	DFT-s-OFDM 256 QAM	18@9	22.55	21.53	0.1422
78	30	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@1	22.5	21.48	0.1406

78	30	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@36	22.51	21.49	0.1409
78	30	15	630500	3457.5	CP-OFDM QPSK	19@9	25.66	24.64	0.2911
78	30	15	630500	3457.5	CP-OFDM QPSK	1@1	25.53	24.51	0.2825
78	30	15	630500	3457.5	CP-OFDM QPSK	1@36	25.52	24.5	0.2818
78	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	18@9	26.84	25.82	0.3819
78	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.82	25.8	0.3802
78	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@36	26.71	25.69	0.3707
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	18@9	26.86	25.84	0.3837
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.91	25.89	0.3882
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@36	26.75	25.73	0.3741
78	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	18@9	25.93	24.91	0.3097
78	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.9	24.88	0.3076
78	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@36	25.76	24.74	0.2979
78	30	15	633334	3500.01	DFT-s-OFDM 64 QAM	18@9	24.4	23.38	0.2178
78	30	15	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.35	23.33	0.2153
78	30	15	633334	3500.01	DFT-s-OFDM 64 QAM	1@36	24.21	23.19	0.2084
78	30	15	633334	3500.01	DFT-s-OFDM 256 QAM	18@9	22.39	21.37	0.1371
78	30	15	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.4	21.38	0.1374
78	30	15	633334	3500.01	DFT-s-OFDM 256 QAM	1@36	22.27	21.25	0.1334
78	30	15	633334	3500.01	CP-OFDM QPSK	19@9	25.42	24.4	0.2754
78	30	15	633334	3500.01	CP-OFDM QPSK	1@1	25.48	24.46	0.2793
78	30	15	633334	3500.01	CP-OFDM QPSK	1@36	25.21	24.19	0.2624
78	30	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	18@9	26.95	25.93	0.3917
78	30	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@1	26.83	25.81	0.3811
78	30	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@36	26.81	25.79	0.3793

78	30	15	636166	3542.49	DFT-s-OFDM QPSK	18@9	26.92	25.9	0.3890
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	26.89	25.87	0.3864
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@36	26.84	25.82	0.3819
78	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	18@9	25.95	24.93	0.3112
78	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	25.89	24.87	0.3069
78	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@36	25.83	24.81	0.3027
78	30	15	636166	3542.49	DFT-s-OFDM 64 QAM	18@9	24.45	23.43	0.2203
78	30	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@1	24.34	23.32	0.2148
78	30	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@36	24.27	23.25	0.2113
78	30	15	636166	3542.49	DFT-s-OFDM 256 QAM	18@9	22.41	21.39	0.1377
78	30	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@1	22.4	21.38	0.1374
78	30	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@36	22.31	21.29	0.1346
78	30	15	636166	3542.49	CP-OFDM QPSK	19@9	25.48	24.46	0.2793
78	30	15	636166	3542.49	CP-OFDM QPSK	1@1	25.46	24.44	0.2780
78	30	15	636166	3542.49	CP-OFDM QPSK	1@36	25.41	24.39	0.2748
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	25@12	27.13	26.11	0.4083
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	27.02	26	0.3981
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@49	27.03	26.01	0.3990
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	25@12	27.12	26.1	0.4074
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	26.97	25.95	0.3936
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@49	27.06	26.04	0.4018
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	25@12	26.15	25.13	0.3258
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	26.01	24.99	0.3155
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@49	26.07	25.05	0.3199

78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	25@12	24.63	23.61	0.2296
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@1	24.59	23.57	0.2275
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@49	24.63	23.61	0.2296
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	25@12	22.59	21.57	0.1435
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@1	22.5	21.48	0.1406
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@49	22.53	21.51	0.1416
78	30	20	630668	3460.02	CP-OFDM QPSK	25@12	25.63	24.61	0.2891
78	30	20	630668	3460.02	CP-OFDM QPSK	1@1	25.57	24.55	0.2851
78	30	20	630668	3460.02	CP-OFDM QPSK	1@49	25.62	24.6	0.2884
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	26.85	25.83	0.3828
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.84	25.82	0.3819
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@49	26.66	25.64	0.3664
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	25@12	26.88	25.86	0.3855
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.9	25.88	0.3873
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@49	26.74	25.72	0.3733
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	25.92	24.9	0.3090
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.88	24.86	0.3062
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@49	25.76	24.74	0.2979
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	24.39	23.37	0.2173
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.37	23.35	0.2163
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@49	24.23	23.21	0.2094
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	22.45	21.43	0.1390
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.37	21.35	0.1365
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@49	22.21	21.19	0.1315

78	30	20	633334	3500.01	CP-OFDM QPSK	25@12	25.39	24.37	0.2735
78	30	20	633334	3500.01	CP-OFDM QPSK	1@1	25.41	24.39	0.2748
78	30	20	633334	3500.01	CP-OFDM QPSK	1@49	25.35	24.33	0.2710
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	25@12	26.9	25.88	0.3873
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	26.85	25.83	0.3828
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@49	26.84	25.82	0.3819
78	30	20	636000	3540	DFT-s-OFDM QPSK	25@12	26.96	25.94	0.3926
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	26.83	25.81	0.3811
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@49	26.81	25.79	0.3793
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	25@12	25.98	24.96	0.3133
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	25.79	24.77	0.2999
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@49	25.71	24.69	0.2944
78	30	20	636000	3540	DFT-s-OFDM 64 QAM	25@12	24.41	23.39	0.2183
78	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@1	24.43	23.41	0.2193
78	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@49	24.32	23.3	0.2138
78	30	20	636000	3540	DFT-s-OFDM 256 QAM	25@12	22.46	21.44	0.1393
78	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@1	22.4	21.38	0.1374
78	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@49	22.39	21.37	0.1371
78	30	20	636000	3540	CP-OFDM QPSK	25@12	25.46	24.44	0.2780
78	30	20	636000	3540	CP-OFDM QPSK	1@1	25.39	24.37	0.2735
78	30	20	636000	3540	CP-OFDM QPSK	1@49	25.39	24.37	0.2735
78	30	25	630834	3462.51	DFT-s-OFDM PI/2 BPSK	32@16	26.86	25.84	0.3837
78	30	25	630834	3462.51	DFT-s-OFDM PI/2 BPSK	1@1	26.23	25.21	0.3319
78	30	25	630834	3462.51	DFT-s-OFDM PI/2 BPSK	1@63	26.18	25.16	0.3281
78	30	25	630834	3462.51	DFT-s-OFDM QPSK	32@16	26.89	25.87	0.3864

78	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	26.24	25.22	0.3327
78	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@63	26.25	25.23	0.3334
78	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	32@16	25.9	24.88	0.3076
78	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	25.24	24.22	0.2642
78	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@63	25.19	24.17	0.2612
78	30	25	630834	3462.51	DFT-s-OFDM 64 QAM	32@16	24.35	23.33	0.2153
78	30	25	630834	3462.51	DFT-s-OFDM 64 QAM	1@1	23.71	22.69	0.1858
78	30	25	630834	3462.51	DFT-s-OFDM 64 QAM	1@63	23.67	22.65	0.1841
78	30	25	630834	3462.51	DFT-s-OFDM 256 QAM	32@16	22.4	21.38	0.1374
78	30	25	630834	3462.51	DFT-s-OFDM 256 QAM	1@1	21.81	20.79	0.1199
78	30	25	630834	3462.51	DFT-s-OFDM 256 QAM	1@63	21.67	20.65	0.1161
78	30	25	630834	3462.51	CP-OFDM QPSK	33@16	25.41	24.39	0.2748
78	30	25	630834	3462.51	CP-OFDM QPSK	1@1	24.78	23.76	0.2377
78	30	25	630834	3462.51	CP-OFDM QPSK	1@63	24.76	23.74	0.2366
78	30	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	32@16	26.65	25.63	0.3656
78	30	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.14	25.12	0.3251
78	30	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@63	25.94	24.92	0.3105
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	32@16	26.69	25.67	0.3690
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.12	25.1	0.3236
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@63	25.93	24.91	0.3097
78	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	32@16	25.69	24.67	0.2931
78	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.13	24.11	0.2576
78	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@63	24.93	23.91	0.2460
78	30	25	633334	3500.01	DFT-s-OFDM 64 QAM	32@16	24.14	23.12	0.2051

78	30	25	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.62	22.6	0.1820
78	30	25	633334	3500.01	DFT-s-OFDM 64 QAM	1@63	23.42	22.4	0.1738
78	30	25	633334	3500.01	DFT-s-OFDM 256 QAM	32@16	22.21	21.19	0.1315
78	30	25	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.7	20.68	0.1169
78	30	25	633334	3500.01	DFT-s-OFDM 256 QAM	1@63	21.45	20.43	0.1104
78	30	25	633334	3500.01	CP-OFDM QPSK	33@16	25.22	24.2	0.2630
78	30	25	633334	3500.01	CP-OFDM QPSK	1@1	24.7	23.68	0.2333
78	30	25	633334	3500.01	CP-OFDM QPSK	1@63	24.44	23.42	0.2198
78	30	25	635832	3537.48	DFT-s-OFDM PI/2 BPSK	32@16	26.7	25.68	0.3698
78	30	25	635832	3537.48	DFT-s-OFDM PI/2 BPSK	1@1	26.08	25.06	0.3206
78	30	25	635832	3537.48	DFT-s-OFDM PI/2 BPSK	1@63	26.05	25.03	0.3184
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	32@16	26.7	25.68	0.3698
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@1	26.1	25.08	0.3221
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@63	26.06	25.04	0.3192
78	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	32@16	25.71	24.69	0.2944
78	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@1	25.09	24.07	0.2553
78	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@63	25.04	24.02	0.2523
78	30	25	635832	3537.48	DFT-s-OFDM 64 QAM	32@16	24.18	23.16	0.2070
78	30	25	635832	3537.48	DFT-s-OFDM 64 QAM	1@1	23.55	22.53	0.1791
78	30	25	635832	3537.48	DFT-s-OFDM 64 QAM	1@63	23.54	22.52	0.1786
78	30	25	635832	3537.48	DFT-s-OFDM 256 QAM	32@16	22.22	21.2	0.1318
78	30	25	635832	3537.48	DFT-s-OFDM 256 QAM	1@1	21.58	20.56	0.1138
78	30	25	635832	3537.48	DFT-s-OFDM 256 QAM	1@63	21.53	20.51	0.1125
78	30	25	635832	3537.48	CP-OFDM QPSK	33@16	25.21	24.19	0.2624
78	30	25	635832	3537.48	CP-OFDM QPSK	1@1	24.65	23.63	0.2307

78	30	25	635832	3537.48	CP-OFDM QPSK	1@63	24.59	23.57	0.2275
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	36@18	26.95	25.93	0.3917
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@1	26.88	25.86	0.3855
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@76	26.77	25.75	0.3758
78	30	30	631000	3465	DFT-s-OFDM QPSK	36@18	26.93	25.91	0.3899
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	26.85	25.83	0.3828
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@76	26.75	25.73	0.3741
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	36@18	25.93	24.91	0.3097
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	25.88	24.86	0.3062
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@76	25.77	24.75	0.2985
78	30	30	631000	3465	DFT-s-OFDM 64 QAM	36@18	24.48	23.46	0.2218
78	30	30	631000	3465	DFT-s-OFDM 64 QAM	1@1	24.38	23.36	0.2168
78	30	30	631000	3465	DFT-s-OFDM 64 QAM	1@76	24.14	23.12	0.2051
78	30	30	631000	3465	DFT-s-OFDM 256 QAM	36@18	22.43	21.41	0.1384
78	30	30	631000	3465	DFT-s-OFDM 256 QAM	1@1	22.35	21.33	0.1358
78	30	30	631000	3465	DFT-s-OFDM 256 QAM	1@76	22.34	21.32	0.1355
78	30	30	631000	3465	CP-OFDM QPSK	39@19	25.49	24.47	0.2799
78	30	30	631000	3465	CP-OFDM QPSK	1@1	25.4	24.38	0.2742
78	30	30	631000	3465	CP-OFDM QPSK	1@76	25.24	24.22	0.2642
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@18	26.8	25.78	0.3784
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.77	25.75	0.3758
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@76	26.54	25.52	0.3565
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	36@18	26.81	25.79	0.3793
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.85	25.83	0.3828

78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@76	26.65	25.63	0.3656
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	36@18	25.81	24.79	0.3013
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.83	24.81	0.3027
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@76	25.58	24.56	0.2858
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	36@18	24.3	23.28	0.2128
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.34	23.32	0.2148
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@76	23.9	22.88	0.1941
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	36@18	22.29	21.27	0.1340
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.4	21.38	0.1374
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@76	22.04	21.02	0.1265
78	30	30	633334	3500.01	CP-OFDM QPSK	39@19	25.31	24.29	0.2685
78	30	30	633334	3500.01	CP-OFDM QPSK	1@1	25.34	24.32	0.2704
78	30	30	633334	3500.01	CP-OFDM QPSK	1@76	25.02	24	0.2512
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	36@18	26.79	25.77	0.3776
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	26.76	25.74	0.3750
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@76	26.7	25.68	0.3698
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	36@18	26.8	25.78	0.3784
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	26.72	25.7	0.3715
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@76	26.72	25.7	0.3715
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	36@18	25.79	24.77	0.2999
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	25.74	24.72	0.2965
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@76	25.68	24.66	0.2924
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	36@18	24.33	23.31	0.2143
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@1	24.08	23.06	0.2023

78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@76	24.13	23.11	0.2046
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	36@18	22.32	21.3	0.1349
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@1	22.2	21.18	0.1312
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@76	22.17	21.15	0.1303
78	30	30	635666	3534.99	CP-OFDM QPSK	39@19	25.27	24.25	0.2661
78	30	30	635666	3534.99	CP-OFDM QPSK	1@1	25.28	24.26	0.2667
78	30	30	635666	3534.99	CP-OFDM QPSK	1@76	25.17	24.15	0.2600
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	50@25	26.91	25.89	0.3882
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	26.87	25.85	0.3846
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@104	26.66	25.64	0.3664
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	50@25	26.9	25.88	0.3873
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	26.83	25.81	0.3811
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@104	26.7	25.68	0.3698
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	50@25	25.97	24.95	0.3126
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	25.97	24.95	0.3126
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@104	25.65	24.63	0.2904
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	50@25	24.41	23.39	0.2183
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	24.38	23.36	0.2168
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@104	24.16	23.14	0.2061
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	50@25	22.37	21.35	0.1365
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	22.35	21.33	0.1358
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@104	22.19	21.17	0.1309
78	30	40	631334	3470.01	CP-OFDM QPSK	53@26	25.39	24.37	0.2735
78	30	40	631334	3470.01	CP-OFDM QPSK	1@1	25.36	24.34	0.2716
78	30	40	631334	3470.01	CP-OFDM QPSK	1@104	25.17	24.15	0.2600

78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	26.73	25.71	0.3724
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.83	25.81	0.3811
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	26.53	25.51	0.3556
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	50@25	26.79	25.77	0.3776
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.85	25.83	0.3828
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@104	26.6	25.58	0.3614
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	25.76	24.74	0.2979
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.81	24.79	0.3013
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	25.55	24.53	0.2838
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	24.29	23.27	0.2123
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.37	23.35	0.2163
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	24.05	23.03	0.2009
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	22.21	21.19	0.1315
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.43	21.41	0.1384
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	22.03	21.01	0.1262
78	30	40	633334	3500.01	CP-OFDM QPSK	53@26	25.23	24.21	0.2636
78	30	40	633334	3500.01	CP-OFDM QPSK	1@1	25.31	24.29	0.2685
78	30	40	633334	3500.01	CP-OFDM QPSK	1@104	25.06	24.04	0.2535
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	50@25	26.73	25.71	0.3724
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	26.69	25.67	0.3690
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@104	26.61	25.59	0.3622
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	50@25	26.71	25.69	0.3707
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	26.69	25.67	0.3690
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@104	26.61	25.59	0.3622

78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	50@25	25.76	24.74	0.2979
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	25.7	24.68	0.2938
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@104	25.66	24.64	0.2911
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	50@25	24.28	23.26	0.2118
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@1	24.31	23.29	0.2133
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@104	24.24	23.22	0.2099
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	50@25	22.19	21.17	0.1309
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@1	22.24	21.22	0.1324
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@104	22.19	21.17	0.1309
78	30	40	635332	3529.98	CP-OFDM QPSK	53@26	25.19	24.17	0.2612
78	30	40	635332	3529.98	CP-OFDM QPSK	1@1	25.18	24.16	0.2606
78	30	40	635332	3529.98	CP-OFDM QPSK	1@104	25.15	24.13	0.2588
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	64@32	26.92	25.9	0.3890
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	26.88	25.86	0.3855
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@131	26.53	25.51	0.3556
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	64@32	26.93	25.91	0.3899
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	26.89	25.87	0.3864
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@131	26.58	25.56	0.3597
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	64@32	25.92	24.9	0.3090
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	25.92	24.9	0.3090
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@131	25.66	24.64	0.2911
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	64@32	24.41	23.39	0.2183
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@1	24.33	23.31	0.2143
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@131	24.01	22.99	0.1991

78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	64@32	22.43	21.41	0.1384
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@1	22.38	21.36	0.1368
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@131	22.1	21.08	0.1282
78	30	50	631668	3475.02	CP-OFDM QPSK	67@33	25.41	24.39	0.2748
78	30	50	631668	3475.02	CP-OFDM QPSK	1@1	25.4	24.38	0.2742
78	30	50	631668	3475.02	CP-OFDM QPSK	1@131	25.17	24.15	0.2600
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@32	26.74	25.72	0.3733
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.9	25.88	0.3873
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@131	26.56	25.54	0.3581
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	64@32	26.79	25.77	0.3776
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.86	25.84	0.3837
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@131	26.49	25.47	0.3524
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	64@32	25.74	24.72	0.2965
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.9	24.88	0.3076
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@131	25.54	24.52	0.2831
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	64@32	24.27	23.25	0.2113
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.25	23.23	0.2104
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@131	24	22.98	0.1986
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	64@32	22.29	21.27	0.1340
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.41	21.39	0.1377
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@131	22.04	21.02	0.1265
78	30	50	633334	3500.01	CP-OFDM QPSK	67@33	25.29	24.27	0.2673
78	30	50	633334	3500.01	CP-OFDM QPSK	1@1	25.41	24.39	0.2748
78	30	50	633334	3500.01	CP-OFDM QPSK	1@131	25.07	24.05	0.2541
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	64@32	26.72	25.7	0.3715

78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	26.75	25.73	0.3741
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@131	26.64	25.62	0.3648
78	30	50	635000	3525	DFT-s-OFDM QPSK	64@32	26.72	25.7	0.3715
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	26.74	25.72	0.3733
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@131	26.6	25.58	0.3614
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	64@32	25.76	24.74	0.2979
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	25.66	24.64	0.2911
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@131	25.64	24.62	0.2897
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	64@32	24.23	23.21	0.2094
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	24.23	23.21	0.2094
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@131	23.94	22.92	0.1959
78	30	50	635000	3525	DFT-s-OFDM 256 QAM	64@32	22.24	21.22	0.1324
78	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	22.25	21.23	0.1327
78	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@131	22.11	21.09	0.1285
78	30	50	635000	3525	CP-OFDM QPSK	67@33	25.25	24.23	0.2649
78	30	50	635000	3525	CP-OFDM QPSK	1@1	25.25	24.23	0.2649
78	30	50	635000	3525	CP-OFDM QPSK	1@131	25.09	24.07	0.2553
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	81@40	26.9	25.88	0.3873
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@1	26.87	25.85	0.3846
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@160	26.51	25.49	0.3540
78	30	60	632000	3480	DFT-s-OFDM QPSK	81@40	26.89	25.87	0.3864
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	26.87	25.85	0.3846
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@160	26.48	25.46	0.3516
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	81@40	25.89	24.87	0.3069

78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	25.91	24.89	0.3083
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@160	25.51	24.49	0.2812
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	81@40	24.46	23.44	0.2208
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@1	24.37	23.35	0.2163
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@160	24.13	23.11	0.2046
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	81@40	22.4	21.38	0.1374
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@1	22.37	21.35	0.1365
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@160	22.08	21.06	0.1276
78	30	60	632000	3480	CP-OFDM QPSK	81@40	25.4	24.38	0.2742
78	30	60	632000	3480	CP-OFDM QPSK	1@1	25.34	24.32	0.2704
78	30	60	632000	3480	CP-OFDM QPSK	1@160	25.04	24.02	0.2523
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	81@40	26.76	25.74	0.3750
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.92	25.9	0.3890
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@160	26.51	25.49	0.3540
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	81@40	26.77	25.75	0.3758
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.89	25.87	0.3864
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@160	26.5	25.48	0.3532
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	81@40	25.76	24.74	0.2979
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.92	24.9	0.3090
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@160	25.55	24.53	0.2838
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	81@40	24.31	23.29	0.2133
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.38	23.36	0.2168
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@160	23.97	22.95	0.1972
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	81@40	22.28	21.26	0.1337

78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.42	21.4	0.1380
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@160	22.02	21	0.1259
78	30	60	633334	3500.01	CP-OFDM QPSK	81@40	25.24	24.22	0.2642
78	30	60	633334	3500.01	CP-OFDM QPSK	1@1	25.35	24.33	0.2710
78	30	60	633334	3500.01	CP-OFDM QPSK	1@160	24.99	23.97	0.2495
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	81@40	26.73	25.71	0.3724
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	26.78	25.76	0.3767
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@160	26.62	25.6	0.3631
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	81@40	26.79	25.77	0.3776
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	26.8	25.78	0.3784
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@160	26.55	25.53	0.3573
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	81@40	25.74	24.72	0.2965
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	25.73	24.71	0.2958
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@160	25.54	24.52	0.2831
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	81@40	24.28	23.26	0.2118
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@1	24.29	23.27	0.2123
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@160	24.14	23.12	0.2051
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	81@40	22.27	21.25	0.1334
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@1	22.31	21.29	0.1346
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@160	22.1	21.08	0.1282
78	30	60	634666	3519.99	CP-OFDM QPSK	81@40	25.25	24.23	0.2649
78	30	60	634666	3519.99	CP-OFDM QPSK	1@1	25.3	24.28	0.2679
78	30	60	634666	3519.99	CP-OFDM QPSK	1@160	25.09	24.07	0.2553
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	90@45	26.88	25.86	0.3855
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@1	26.91	25.89	0.3882

78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@187	26.55	25.53	0.3573
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	90@45	26.86	25.84	0.3837
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	26.92	25.9	0.3890
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@187	26.54	25.52	0.3565
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	90@45	25.9	24.88	0.3076
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	25.93	24.91	0.3097
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@187	25.51	24.49	0.2812
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	90@45	24.41	23.39	0.2183
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@1	24.55	23.53	0.2254
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@187	24	22.98	0.1986
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	90@45	22.42	21.4	0.1380
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@1	22.42	21.4	0.1380
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@187	22.04	21.02	0.1265
78	30	70	632334	3485.01	CP-OFDM QPSK	95@47	25.35	24.33	0.2710
78	30	70	632334	3485.01	CP-OFDM QPSK	1@1	25.52	24.5	0.2818
78	30	70	632334	3485.01	CP-OFDM QPSK	1@187	25.04	24.02	0.2523
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	90@45	26.79	25.77	0.3776
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.88	25.86	0.3855
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@187	26.57	25.55	0.3589
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	90@45	26.83	25.81	0.3811
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	27	25.98	0.3963
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@187	26.57	25.55	0.3589
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	90@45	25.77	24.75	0.2985
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.85	24.83	0.3041

78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@187	25.55	24.53	0.2838
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	90@45	24.33	23.31	0.2143
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.55	23.53	0.2254
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@187	24.12	23.1	0.2042
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	90@45	22.28	21.26	0.1337
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.42	21.4	0.1380
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@187	22.1	21.08	0.1282
78	30	70	633334	3500.01	CP-OFDM QPSK	95@47	25.26	24.24	0.2655
78	30	70	633334	3500.01	CP-OFDM QPSK	1@1	25.45	24.43	0.2773
78	30	70	633334	3500.01	CP-OFDM QPSK	1@187	25.02	24	0.2512
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	90@45	26.77	25.75	0.3758
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@1	26.91	25.89	0.3882
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@187	26.52	25.5	0.3548
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	90@45	26.79	25.77	0.3776
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	26.95	25.93	0.3917
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@187	26.57	25.55	0.3589
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	90@45	25.74	24.72	0.2965
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	25.97	24.95	0.3126
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@187	25.6	24.58	0.2871
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	90@45	24.26	23.24	0.2109
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@1	24.41	23.39	0.2183
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@187	24.01	22.99	0.1991
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	90@45	22.23	21.21	0.1321
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@1	22.47	21.45	0.1396

78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@187	22.13	21.11	0.1291
78	30	70	634332	3514.98	CP-OFDM QPSK	95@47	25.23	24.21	0.2636
78	30	70	634332	3514.98	CP-OFDM QPSK	1@1	25.51	24.49	0.2812
78	30	70	634332	3514.98	CP-OFDM QPSK	1@187	25.2	24.18	0.2618
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	108@54	26.87	25.85	0.3846
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	26.96	25.94	0.3926
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@215	26.56	25.54	0.3581
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	108@54	26.85	25.83	0.3828
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	27.03	26.01	0.3990
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@215	26.53	25.51	0.3556
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	108@54	25.87	24.85	0.3055
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	25.98	24.96	0.3133
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@215	25.57	24.55	0.2851
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	108@54	24.41	23.39	0.2183
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@1	24.63	23.61	0.2296
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@215	24.15	23.13	0.2056
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	108@54	22.34	21.32	0.1355
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@1	22.49	21.47	0.1403
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@215	22.05	21.03	0.1268
78	30	80	632668	3490.02	CP-OFDM QPSK	109@54	25.36	24.34	0.2716
78	30	80	632668	3490.02	CP-OFDM QPSK	1@1	25.59	24.57	0.2864
78	30	80	632668	3490.02	CP-OFDM QPSK	1@215	25.15	24.13	0.2588
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	108@54	26.78	25.76	0.3767
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.95	25.93	0.3917
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@215	26.58	25.56	0.3597

78	30	80	633334	3500.01	DFT-s-OFDM QPSK	108@54	26.8	25.78	0.3784
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.95	25.93	0.3917
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@215	26.6	25.58	0.3614
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	25.8	24.78	0.3006
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.91	24.89	0.3083
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@215	25.52	24.5	0.2818
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	108@54	24.33	23.31	0.2143
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.54	23.52	0.2249
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@215	24.03	23.01	0.2000
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	108@54	22.29	21.27	0.1340
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.53	21.51	0.1416
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@215	22.07	21.05	0.1274
78	30	80	633334	3500.01	CP-OFDM QPSK	109@54	25.29	24.27	0.2673
78	30	80	633334	3500.01	CP-OFDM QPSK	1@1	25.46	24.44	0.2780
78	30	80	633334	3500.01	CP-OFDM QPSK	1@215	25.07	24.05	0.2541
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	108@54	26.75	25.73	0.3741
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@1	26.94	25.92	0.3908
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@215	26.62	25.6	0.3631
78	30	80	634000	3510	DFT-s-OFDM QPSK	108@54	26.76	25.74	0.3750
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	26.97	25.95	0.3936
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@215	26.64	25.62	0.3648
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	108@54	25.77	24.75	0.2985
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	26.09	25.07	0.3214
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@215	25.57	24.55	0.2851

78	30	80	634000	3510	DFT-s-OFDM 64 QAM	108@54	24.3	23.28	0.2128
78	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@1	24.5	23.48	0.2228
78	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@215	24.2	23.18	0.2080
78	30	80	634000	3510	DFT-s-OFDM 256 QAM	108@54	22.26	21.24	0.1330
78	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@1	22.54	21.52	0.1419
78	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@215	22.09	21.07	0.1279
78	30	80	634000	3510	CP-OFDM QPSK	109@54	25.22	24.2	0.2630
78	30	80	634000	3510	CP-OFDM QPSK	1@1	25.58	24.56	0.2858
78	30	80	634000	3510	CP-OFDM QPSK	1@215	25.1	24.08	0.2559
78	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	120@60	26.84	25.82	0.3819
78	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@1	26.93	25.91	0.3899
78	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@243	26.48	25.46	0.3516
78	30	90	633000	3495	DFT-s-OFDM QPSK	120@60	26.83	25.81	0.3811
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	27	25.98	0.3963
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@243	26.51	25.49	0.3540
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	120@60	25.87	24.85	0.3055
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	25.98	24.96	0.3133
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@243	25.54	24.52	0.2831
78	30	90	633000	3495	DFT-s-OFDM 64 QAM	120@60	24.31	23.29	0.2133
78	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@1	24.45	23.43	0.2203
78	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@243	23.99	22.97	0.1982
78	30	90	633000	3495	DFT-s-OFDM 256 QAM	120@60	22.38	21.36	0.1368
78	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@1	22.48	21.46	0.1400
78	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@243	22.1	21.08	0.1282

78	30	90	633000	3495	CP-OFDM QPSK	123@61	25.33	24.31	0.2698
78	30	90	633000	3495	CP-OFDM QPSK	1@1	25.53	24.51	0.2825
78	30	90	633000	3495	CP-OFDM QPSK	1@243	25.12	24.1	0.2570
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	120@60	26.79	25.77	0.3776
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.93	25.91	0.3899
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@243	26.54	25.52	0.3565
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	120@60	26.83	25.81	0.3811
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.02	26	0.3981
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@243	26.58	25.56	0.3597
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	120@60	25.84	24.82	0.3034
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.92	24.9	0.3090
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@243	25.49	24.47	0.2799
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	120@60	24.28	23.26	0.2118
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.42	23.4	0.2188
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@243	24.03	23.01	0.2000
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	120@60	22.29	21.27	0.1340
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.47	21.45	0.1396
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@243	22.09	21.07	0.1279
78	30	90	633334	3500.01	CP-OFDM QPSK	123@61	25.3	24.28	0.2679
78	30	90	633334	3500.01	CP-OFDM QPSK	1@1	25.43	24.41	0.2761
78	30	90	633334	3500.01	CP-OFDM QPSK	1@243	24.99	23.97	0.2495
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	120@60	26.76	25.74	0.3750
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@1	27.03	26.01	0.3990
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@243	26.59	25.57	0.3606
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	120@60	26.83	25.81	0.3811

78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	27.04	26.02	0.3999
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@243	26.62	25.6	0.3631
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	120@60	25.82	24.8	0.3020
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	25.98	24.96	0.3133
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@243	25.58	24.56	0.2858
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	120@60	24.28	23.26	0.2118
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@1	24.36	23.34	0.2158
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@243	23.99	22.97	0.1982
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	120@60	22.28	21.26	0.1337
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@1	22.53	21.51	0.1416
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@243	22.1	21.08	0.1282
78	30	90	633666	3504.99	CP-OFDM QPSK	123@61	25.25	24.23	0.2649
78	30	90	633666	3504.99	CP-OFDM QPSK	1@1	25.47	24.45	0.2786
78	30	90	633666	3504.99	CP-OFDM QPSK	1@243	24.99	23.97	0.2495
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	26.78	25.76	0.3767
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.94	25.92	0.3908
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	26.51	25.49	0.3540
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	26.81	25.79	0.3793
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.95	25.93	0.3917
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	26.53	25.51	0.3556
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	25.82	24.8	0.3020
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.98	24.96	0.3133
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	25.55	24.53	0.2838
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	24.33	23.31	0.2143

78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.45	23.43	0.2203
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	24.03	23.01	0.2000
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	22.29	21.27	0.1340
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.52	21.5	0.1413
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	22.06	21.04	0.1271
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	25.27	24.25	0.2661
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	25.47	24.45	0.2786
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	24.96	23.94	0.2477

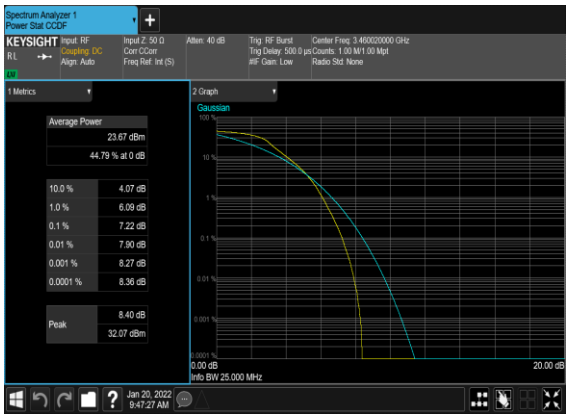
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0122	**PASS**	NV
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0422	**PASS**	LV
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0213	**PASS**	HV
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0221	**PASS**	-30°C
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0225	**PASS**	-20°C
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0262	**PASS**	-10°C
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0243	**PASS**	0°C
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0321	**PASS**	10°C
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0323	**PASS**	20°C
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0135	**PASS**	30°C
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0121	**PASS**	40°C
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0223	**PASS**	50°C

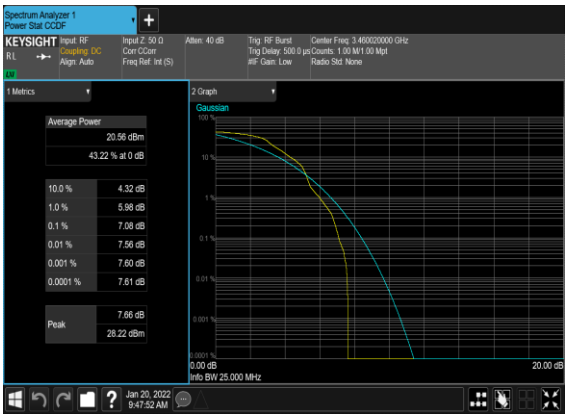
Peak to Average Radio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	50@0	7.22	13	**PASS**
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@0	7.08	13	**PASS**
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	50@0	8.27	13	**PASS**
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	8.34	13	**PASS**
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	7.23	13	**PASS**
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@0	7.07	13	**PASS**
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	8.26	13	**PASS**
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	7.88	13	**PASS**
78	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	50@0	7.25	13	**PASS**
78	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	1@0	7.07	13	**PASS**
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	50@0	8.27	13	**PASS**
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	7.87	13	**PASS**

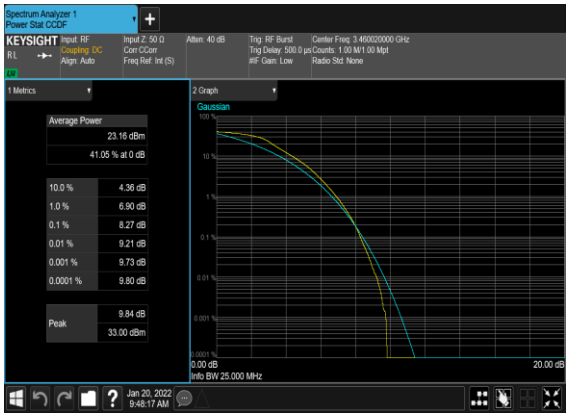
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



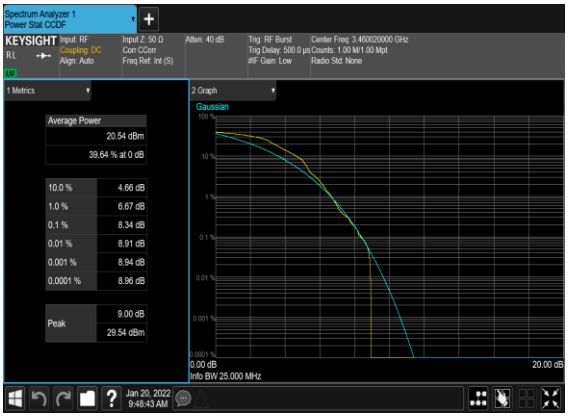
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



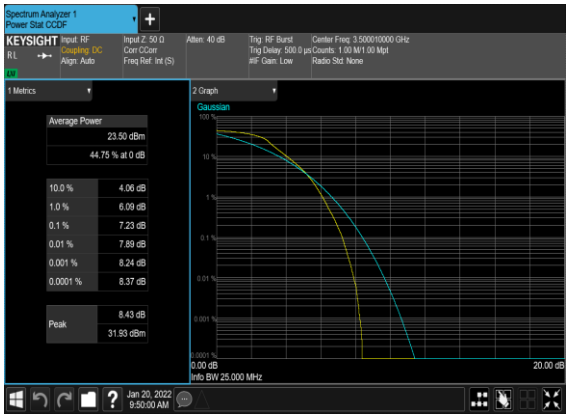
N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



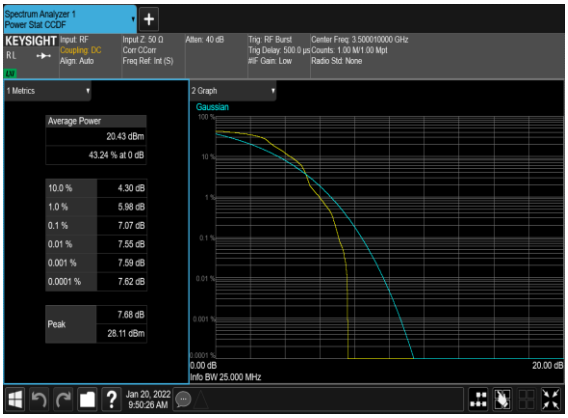
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

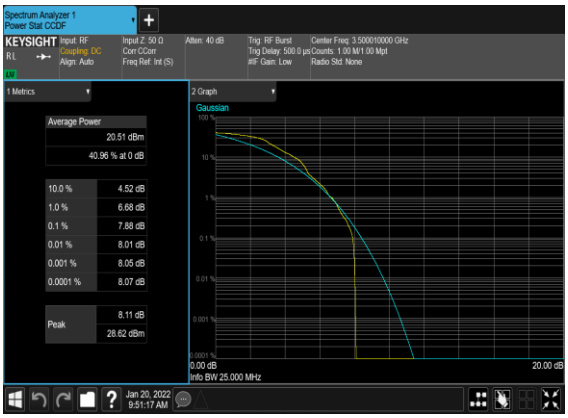


N78(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH

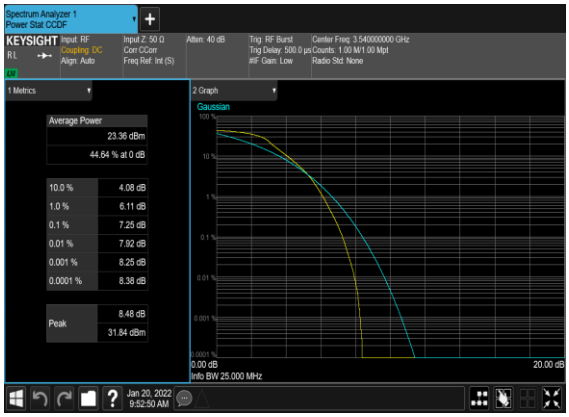


N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

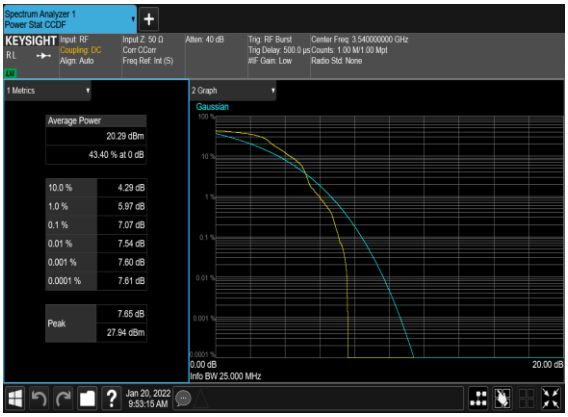
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



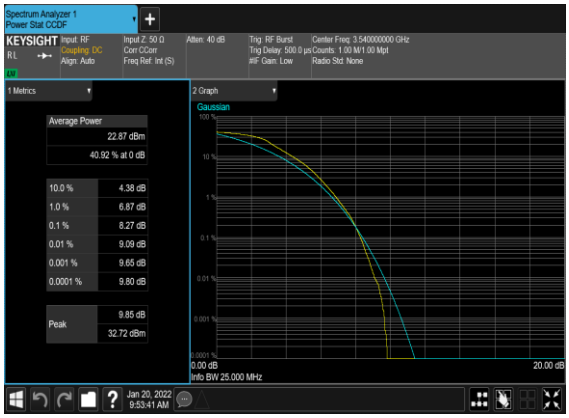
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



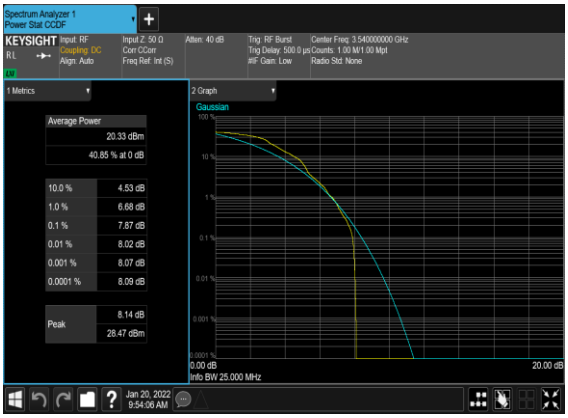
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_High_CH



N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N78(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)
78	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	24@0	8.5617	9.193
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	24@0	8.5688	9.122
78	30	10	633334	3500.01	CP-OFDM QPSK	24@0	8.5855	10.05
78	30	10	633334	3500.01	CP-OFDM 16 QAM	24@0	8.5709	9.23
78	30	10	633334	3500.01	CP-OFDM 64 QAM	24@0	8.5733	9.458
78	30	10	633334	3500.01	CP-OFDM 256 QAM	24@0	8.5801	9.131
78	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@0	12.862	13.57
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	36@0	12.816	13.7
78	30	15	633334	3500.01	CP-OFDM QPSK	38@0	13.565	14.59
78	30	15	633334	3500.01	CP-OFDM 16 QAM	38@0	13.563	14.34
78	30	15	633334	3500.01	CP-OFDM 64 QAM	38@0	13.587	14.28
78	30	15	633334	3500.01	CP-OFDM 256 QAM	38@0	13.556	14.28
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	17.803	18.78
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	17.808	18.7
78	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18.219	19.15
78	30	20	633334	3500.01	CP-OFDM 16 QAM	51@0	18.243	19.78
78	30	20	633334	3500.01	CP-OFDM 64 QAM	51@0	18.276	19.14
78	30	20	633334	3500.01	CP-OFDM 256 QAM	51@0	18.197	20.17
78	30	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@0	22.801	23.78
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	64@0	22.818	23.79
78	30	25	633334	3500.01	CP-OFDM QPSK	65@0	23.165	24.28
78	30	25	633334	3500.01	CP-OFDM 16 QAM	65@0	23.186	24.08
78	30	25	633334	3500.01	CP-OFDM 64 QAM	65@0	23.155	24.13
78	30	25	633334	3500.01	CP-OFDM 256 QAM	65@0	23.186	24.18

78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	75@0	26.827	28.67
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	75@0	26.713	28.07
78	30	30	633334	3500.01	CP-OFDM QPSK	78@0	27.831	29.06
78	30	30	633334	3500.01	CP-OFDM 16 QAM	78@0	27.843	29.15
78	30	30	633334	3500.01	CP-OFDM 64 QAM	78@0	27.808	29.15
78	30	30	633334	3500.01	CP-OFDM 256 QAM	78@0	27.813	29.59
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	100@0	35.723	37.19
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	100@0	35.705	37.23
78	30	40	633334	3500.01	CP-OFDM QPSK	106@0	37.841	39.82
78	30	40	633334	3500.01	CP-OFDM 16 QAM	106@0	37.827	39.76
78	30	40	633334	3500.01	CP-OFDM 64 QAM	106@0	37.885	39.34
78	30	40	633334	3500.01	CP-OFDM 256 QAM	106@0	37.852	39.4
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	128@0	45.582	47.73
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	128@0	45.723	47.44
78	30	50	633334	3500.01	CP-OFDM QPSK	133@0	47.366	49.13
78	30	50	633334	3500.01	CP-OFDM 16 QAM	133@0	47.35	49.07
78	30	50	633334	3500.01	CP-OFDM 64 QAM	133@0	47.329	49.32
78	30	50	633334	3500.01	CP-OFDM 256 QAM	133@0	47.505	49.33
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	162@0	57.753	59.76
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	162@0	57.852	59.85
78	30	60	633334	3500.01	CP-OFDM QPSK	162@0	57.737	59.74
78	30	60	633334	3500.01	CP-OFDM 16 QAM	162@0	57.625	59.71
78	30	60	633334	3500.01	CP-OFDM 64 QAM	162@0	57.743	59.7
78	30	60	633334	3500.01	CP-OFDM 256 QAM	162@0	57.803	59.7
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	180@0	64.317	66.33

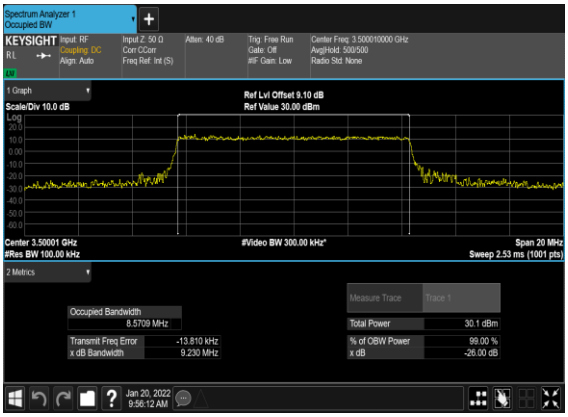
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	180@0	64.329	66.76
78	30	70	633334	3500.01	CP-OFDM QPSK	189@0	67.393	69.65
78	30	70	633334	3500.01	CP-OFDM 16 QAM	189@0	67.416	69.67
78	30	70	633334	3500.01	CP-OFDM 64 QAM	189@0	67.334	69.77
78	30	70	633334	3500.01	CP-OFDM 256 QAM	189@0	68.27	138.6
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	216@0	77.322	79.7
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	216@0	77.156	79.61
78	30	80	633334	3500.01	CP-OFDM QPSK	217@0	77.58	80.05
78	30	80	633334	3500.01	CP-OFDM 16 QAM	217@0	77.449	79.95
78	30	80	633334	3500.01	CP-OFDM 64 QAM	217@0	77.355	80.03
78	30	80	633334	3500.01	CP-OFDM 256 QAM	217@0	77.643	80.08
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	240@0	85.76	88.59
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	240@0	85.767	88.58
78	30	90	633334	3500.01	CP-OFDM QPSK	245@0	87.359	90.32
78	30	90	633334	3500.01	CP-OFDM 16 QAM	245@0	87.47	90.27
78	30	90	633334	3500.01	CP-OFDM 64 QAM	245@0	87.529	90.34
78	30	90	633334	3500.01	CP-OFDM 256 QAM	245@0	87.58	90.28
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	270@0	96.648	99.56
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	270@0	96.471	99.53
78	30	100	633334	3500.01	CP-OFDM QPSK	273@0	97.4	100.5
78	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	97.501	100.6
78	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	97.41	100.7
78	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	97.566	100.5

N78(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

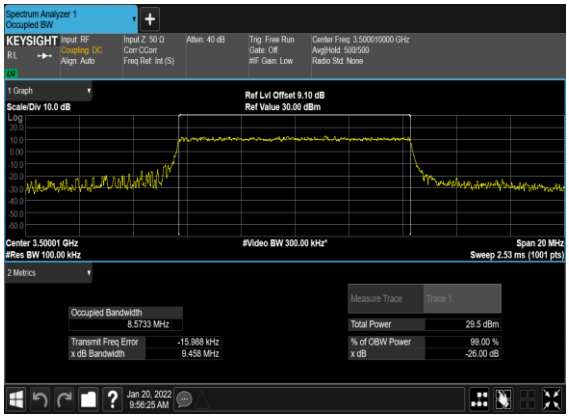
N78(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

N78(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N78(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

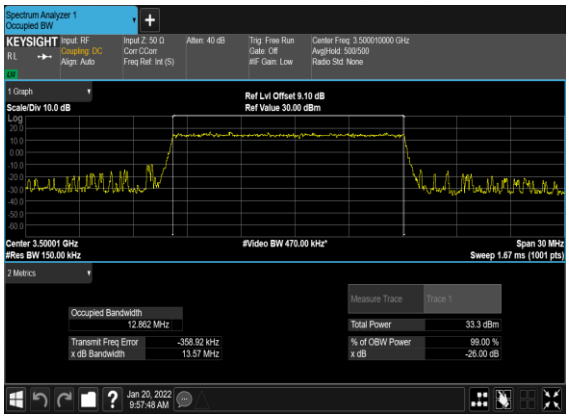


N78(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

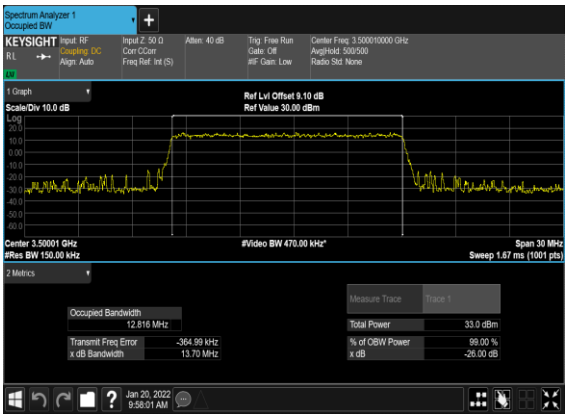


N78(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N78(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



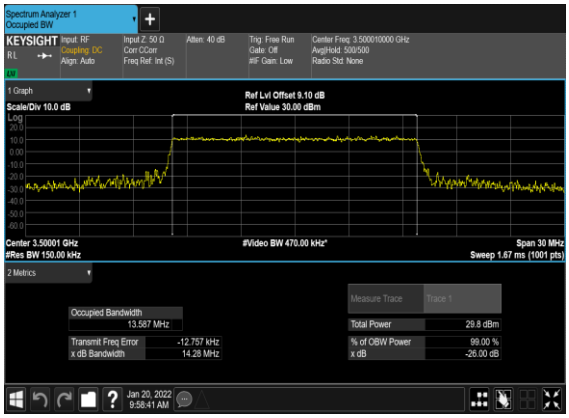
N78(15M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



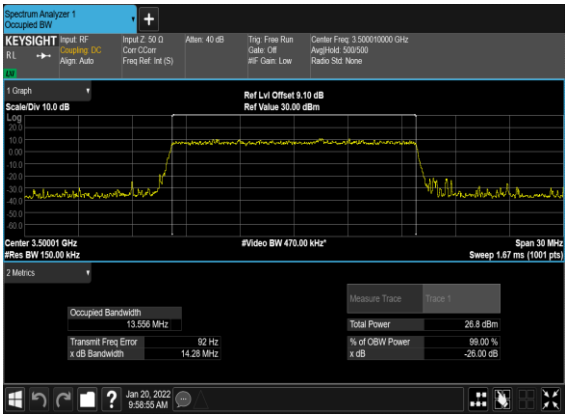
N78(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N78(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

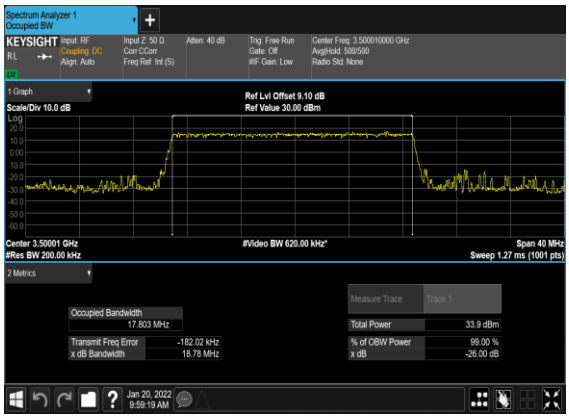
N78(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



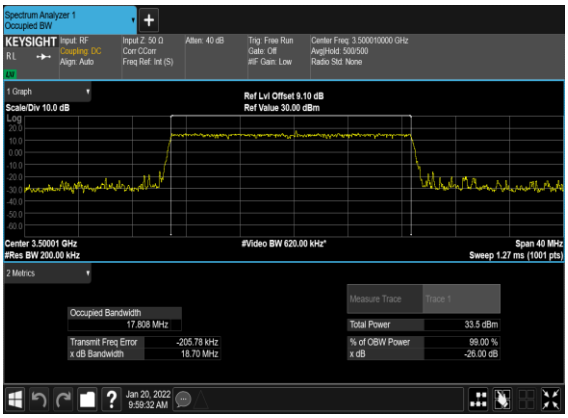
N78(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



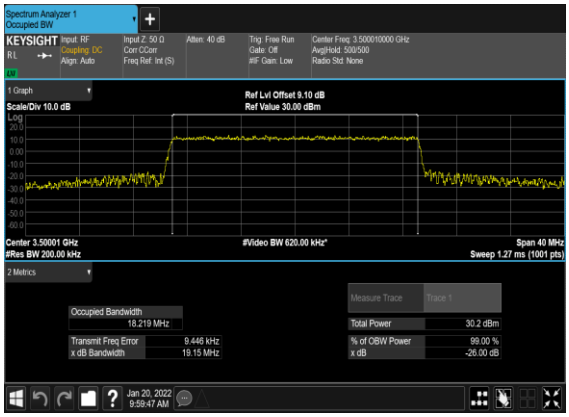
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



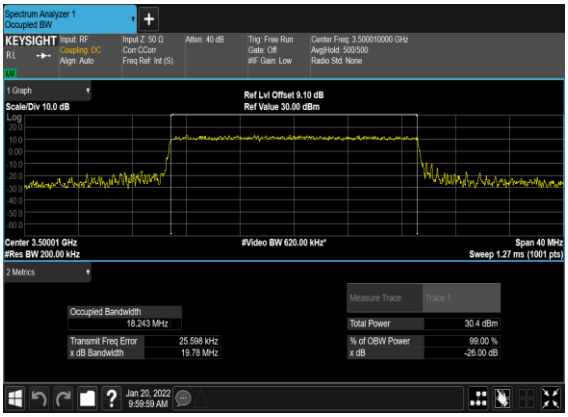
N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



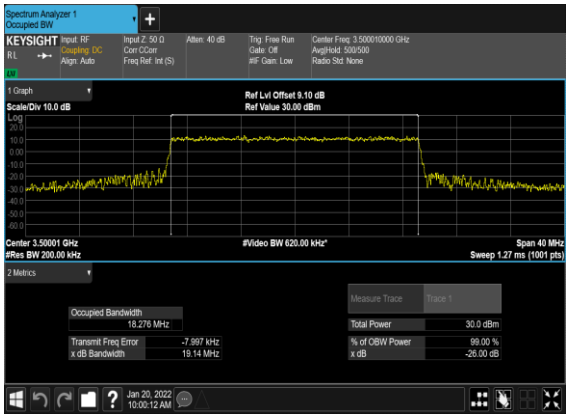
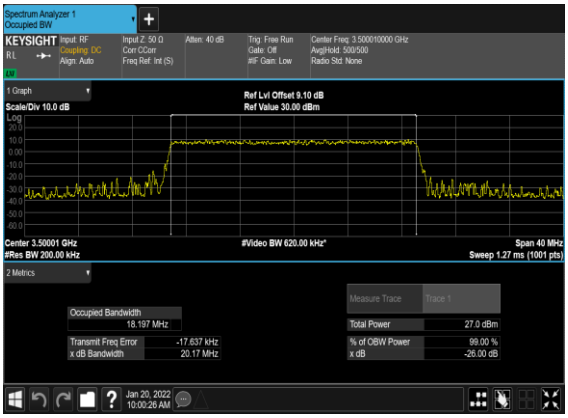
N78(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N78(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N78(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N78(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH