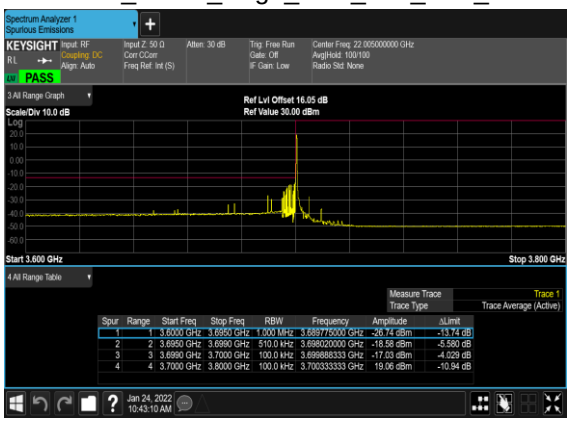
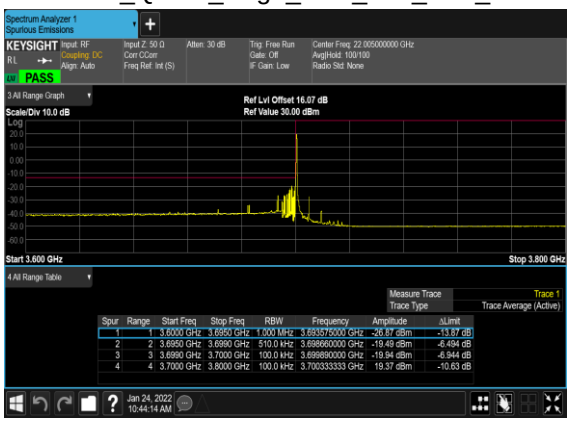
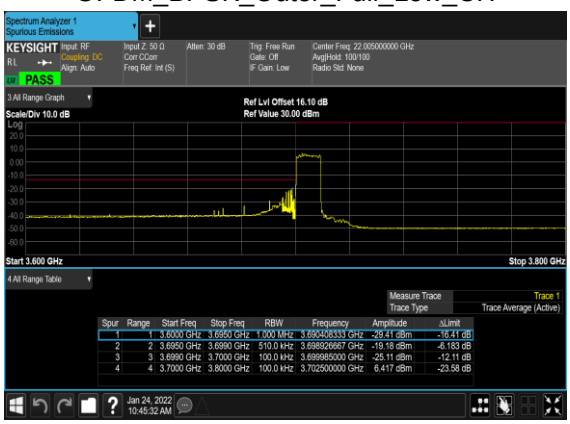
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



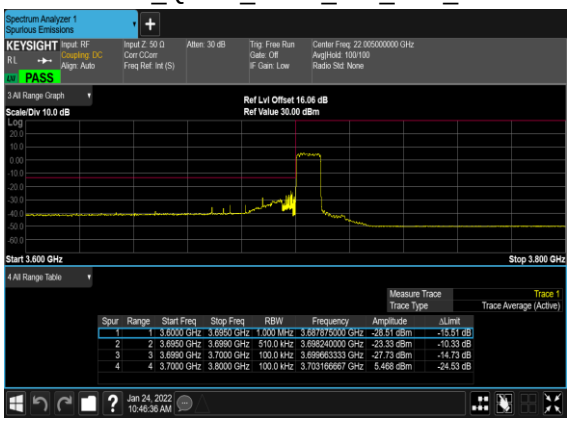
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



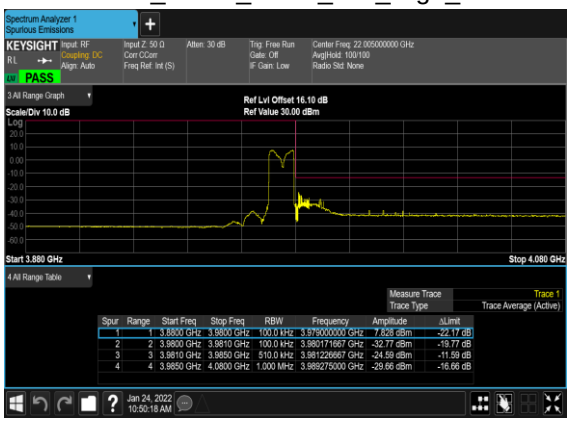
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



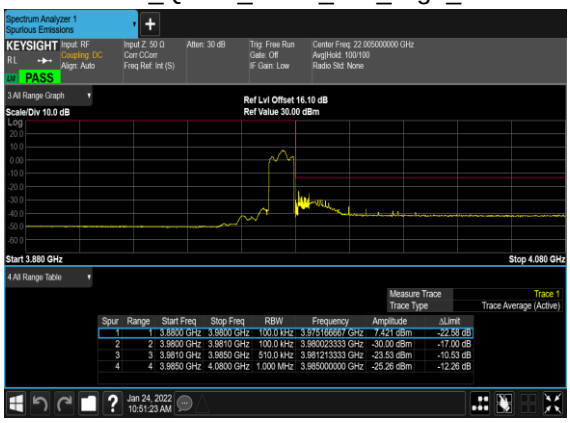
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

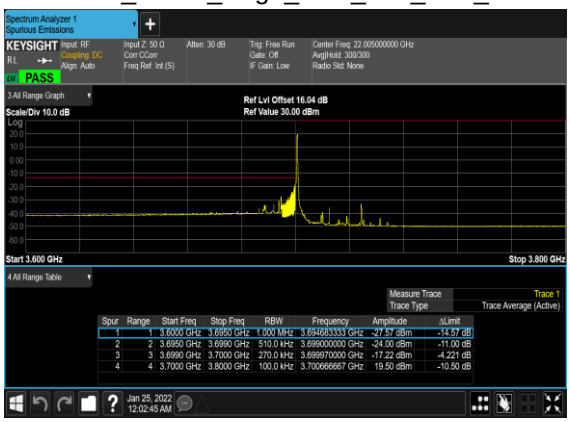
N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



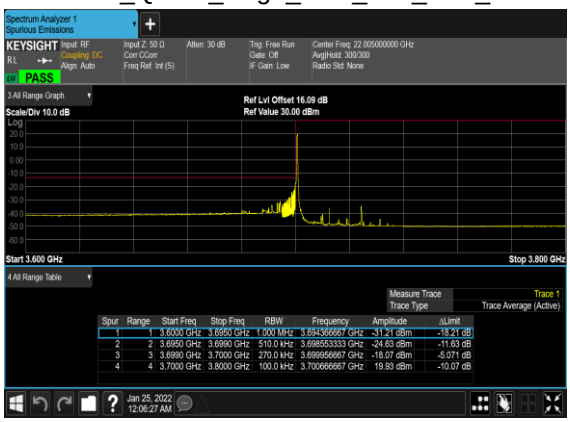
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



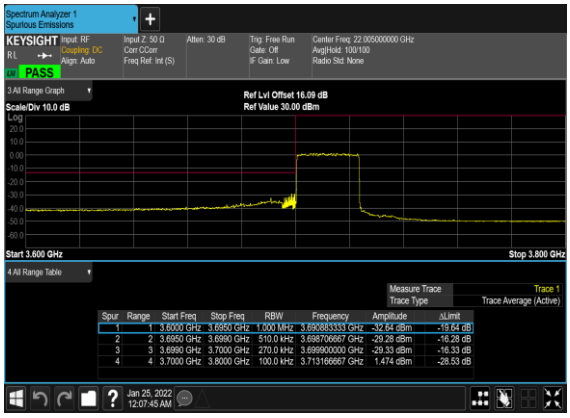
N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



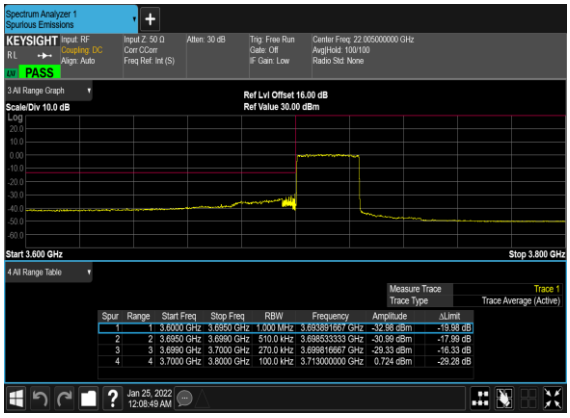
N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(25M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

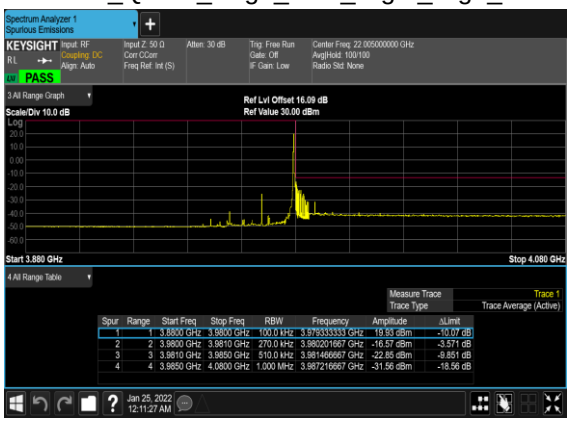


N77(25M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

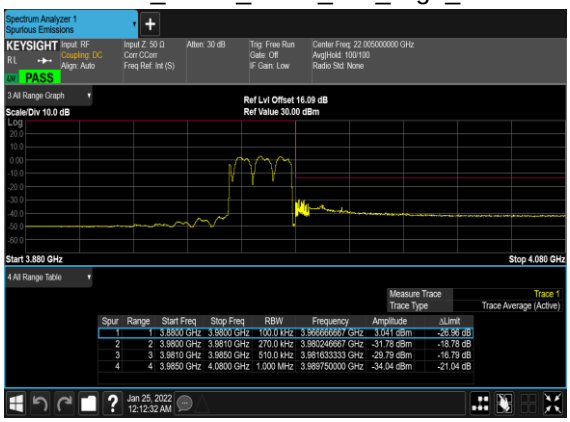


N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

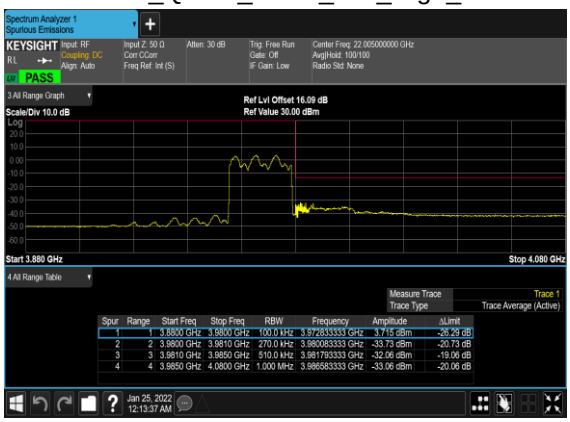
N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(25M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



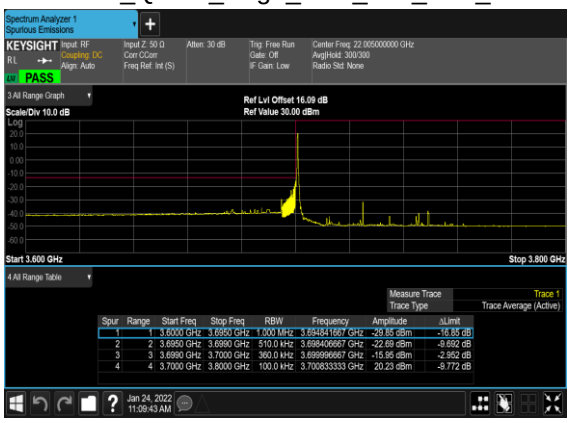
N77(25M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

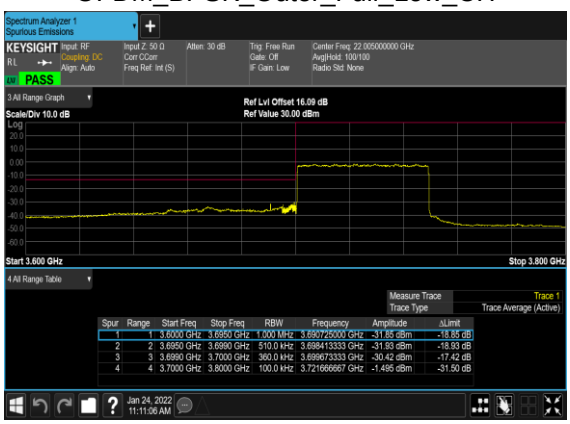
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_ **PASS**

N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

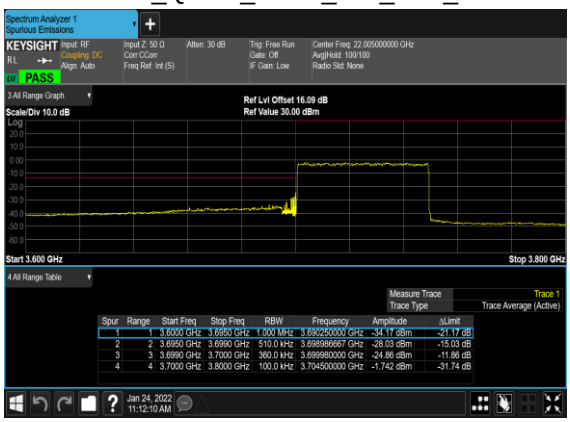


N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_PASS

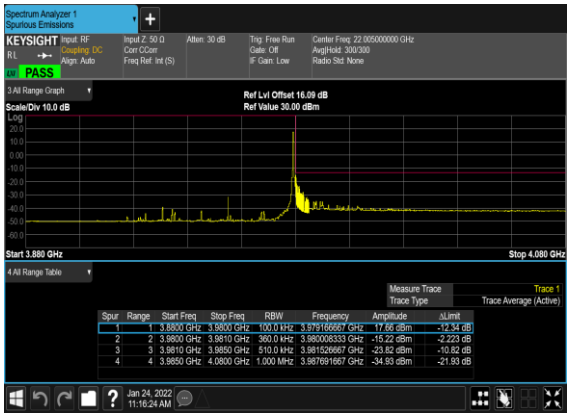
N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

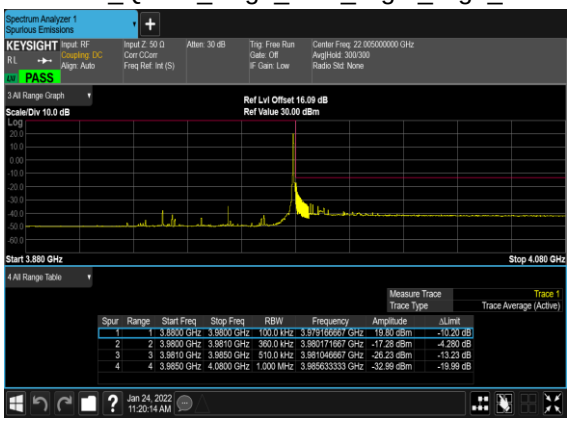


N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

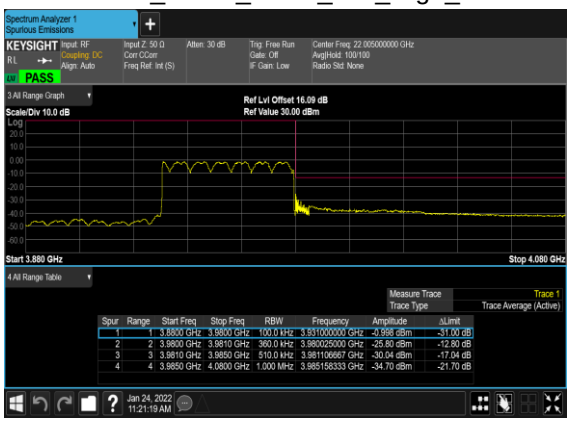


N77(50M)_DFT-s OFDM_BPSK_Edge_1RB_Right_High_CH_PASS

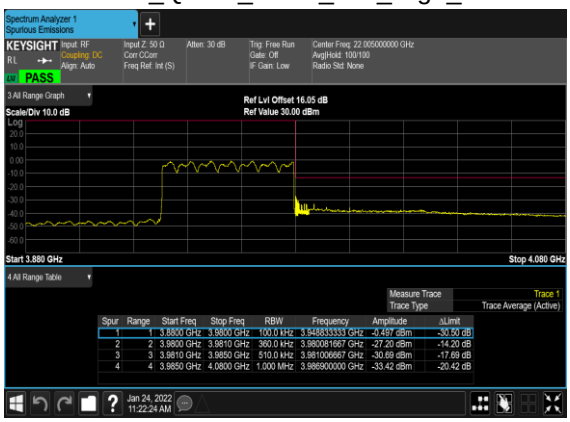
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 22.02.012001

FR1 N77(ANT4) – SCS 30kHz

Transmitter Conducted Output Power And EIRP, (GT - LC)=-1.02dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	10	647000	3705	DFT-s-OFDM PI/2 BPSK	12@6	25.25	24.23	0.2649
77	30	10	647000	3705	DFT-s-OFDM PI/2 BPSK	1@1	25.22	24.2	0.2630
77	30	10	647000	3705	DFT-s-OFDM PI/2 BPSK	1@22	25.15	24.13	0.2588
77	30	10	647000	3705	DFT-s-OFDM QPSK	12@6	25.26	24.24	0.2655
77	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	25.15	24.13	0.2588
77	30	10	647000	3705	DFT-s-OFDM QPSK	1@22	25.13	24.11	0.2576
77	30	10	647000	3705	DFT-s-OFDM 16 QAM	12@6	24.36	23.34	0.2158
77	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	24.14	23.12	0.2051
77	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@22	24.15	23.13	0.2056
77	30	10	647000	3705	DFT-s-OFDM 64 QAM	12@6	22.84	21.82	0.1521
77	30	10	647000	3705	DFT-s-OFDM 64 QAM	1@1	22.66	21.64	0.1459
77	30	10	647000	3705	DFT-s-OFDM 64 QAM	1@22	22.68	21.66	0.1466
77	30	10	647000	3705	DFT-s-OFDM 256 QAM	12@6	20.73	19.71	0.0935
77	30	10	647000	3705	DFT-s-OFDM 256 QAM	1@1	20.68	19.66	0.0925
77	30	10	647000	3705	DFT-s-OFDM 256 QAM	1@22	20.71	19.69	0.0931
77	30	10	647000	3705	CP-OFDM QPSK	12@6	23.76	22.74	0.1879
77	30	10	647000	3705	CP-OFDM QPSK	1@1	23.74	22.72	0.1871
77	30	10	647000	3705	CP-OFDM QPSK	1@22	23.69	22.67	0.1849
77	30	10	656000	3840	DFT-s-OFDM PI/2 BPSK	12@6	25.3	24.28	0.2679
77	30	10	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	25.26	24.24	0.2655
77	30	10	656000	3840	DFT-s-OFDM PI/2 BPSK	1@22	25.24	24.22	0.2642
77	30	10	656000	3840	DFT-s-OFDM QPSK	12@6	25.34	24.32	0.2704
77	30	10	656000	3840	DFT-s-OFDM QPSK	1@1	25.24	24.22	0.2642
77	30	10	656000	3840	DFT-s-OFDM QPSK	1@22	25.23	24.21	0.2636
77	30	10	656000	3840	DFT-s-OFDM 16 QAM	12@6	24.35	23.33	0.2153
77	30	10	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.26	23.24	0.2109
77	30	10	656000	3840	DFT-s-OFDM 16 QAM	1@22	24.19	23.17	0.2075
77	30	10	656000	3840	DFT-s-OFDM 64 QAM	12@6	22.83	21.81	0.1517
77	30	10	656000	3840	DFT-s-OFDM	1@1	22.71	21.69	0.1476

					64 QAM				
77	30	10	656000	3840	DFT-s-OFDM 64 QAM	1@22	22.65	21.63	0.1455
77	30	10	656000	3840	DFT-s-OFDM 256 QAM	12@6	20.75	19.73	0.0940
77	30	10	656000	3840	DFT-s-OFDM 256 QAM	1@1	20.74	19.72	0.0938
77	30	10	656000	3840	DFT-s-OFDM 256 QAM	1@22	20.75	19.73	0.0940
77	30	10	656000	3840	CP-OFDM QPSK	12@6	23.79	22.77	0.1892
77	30	10	656000	3840	CP-OFDM QPSK	1@1	23.91	22.89	0.1945
77	30	10	656000	3840	CP-OFDM QPSK	1@22	23.71	22.69	0.1858
77	30	10	665000	3975	DFT-s-OFDM PI/2 BPSK	12@6	25.04	24.02	0.2523
77	30	10	665000	3975	DFT-s-OFDM PI/2 BPSK	1@1	24.96	23.94	0.2477
77	30	10	665000	3975	DFT-s-OFDM PI/2 BPSK	1@22	24.87	23.85	0.2427
77	30	10	665000	3975	DFT-s-OFDM QPSK	12@6	25.04	24.02	0.2523
77	30	10	665000	3975	DFT-s-OFDM QPSK	1@1	24.96	23.94	0.2477
77	30	10	665000	3975	DFT-s-OFDM QPSK	1@22	24.93	23.91	0.2460
77	30	10	665000	3975	DFT-s-OFDM 16 QAM	12@6	24.09	23.07	0.2028
77	30	10	665000	3975	DFT-s-OFDM 16 QAM	1@1	24.02	23	0.1995
77	30	10	665000	3975	DFT-s-OFDM 16 QAM	1@22	23.97	22.95	0.1972
77	30	10	665000	3975	DFT-s-OFDM 64 QAM	12@6	22.57	21.55	0.1429
77	30	10	665000	3975	DFT-s-OFDM 64 QAM	1@1	22.57	21.55	0.1429
77	30	10	665000	3975	DFT-s-OFDM 64 QAM	1@22	22.62	21.6	0.1445
77	30	10	665000	3975	DFT-s-OFDM 256 QAM	12@6	20.51	19.49	0.0889
77	30	10	665000	3975	DFT-s-OFDM 256 QAM	1@1	20.48	19.46	0.0883
77	30	10	665000	3975	DFT-s-OFDM 256 QAM	1@22	20.47	19.45	0.0881
77	30	10	665000	3975	CP-OFDM QPSK	12@6	23.51	22.49	0.1774
77	30	10	665000	3975	CP-OFDM QPSK	1@1	23.54	22.52	0.1786
77	30	10	665000	3975	CP-OFDM QPSK	1@22	23.47	22.45	0.1758
77	30	15	647168	3707.52	DFT-s-OFDM PI/2 BPSK	18@9	25.25	24.23	0.2649
77	30	15	647168	3707.52	DFT-s-OFDM PI/2 BPSK	1@1	25.16	24.14	0.2594
77	30	15	647168	3707.52	DFT-s-OFDM PI/2 BPSK	1@36	25.17	24.15	0.2600
77	30	15	647168	3707.52	DFT-s-OFDM QPSK	18@9	25.26	24.24	0.2655
77	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	25.17	24.15	0.2600
77	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@36	25.2	24.18	0.2618
77	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	18@9	24.27	23.25	0.2113
77	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	24.1	23.08	0.2032

77	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@36	24.17	23.15	0.2065
77	30	15	647168	3707.52	DFT-s-OFDM 64 QAM	18@9	22.77	21.75	0.1496
77	30	15	647168	3707.52	DFT-s-OFDM 64 QAM	1@1	22.64	21.62	0.1452
77	30	15	647168	3707.52	DFT-s-OFDM 64 QAM	1@36	22.63	21.61	0.1449
77	30	15	647168	3707.52	DFT-s-OFDM 256 QAM	18@9	20.76	19.74	0.0942
77	30	15	647168	3707.52	DFT-s-OFDM 256 QAM	1@1	20.67	19.65	0.0923
77	30	15	647168	3707.52	DFT-s-OFDM 256 QAM	1@36	20.71	19.69	0.0931
77	30	15	647168	3707.52	CP-OFDM QPSK	19@9	23.78	22.76	0.1888
77	30	15	647168	3707.52	CP-OFDM QPSK	1@1	23.69	22.67	0.1849
77	30	15	647168	3707.52	CP-OFDM QPSK	1@36	23.71	22.69	0.1858
77	30	15	656000	3840	DFT-s-OFDM PI/2 BPSK	18@9	25.29	24.27	0.2673
77	30	15	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	25.27	24.25	0.2661
77	30	15	656000	3840	DFT-s-OFDM PI/2 BPSK	1@36	25.18	24.16	0.2606
77	30	15	656000	3840	DFT-s-OFDM QPSK	18@9	25.34	24.32	0.2704
77	30	15	656000	3840	DFT-s-OFDM QPSK	1@1	25.33	24.31	0.2698
77	30	15	656000	3840	DFT-s-OFDM QPSK	1@36	25.25	24.23	0.2649
77	30	15	656000	3840	DFT-s-OFDM 16 QAM	18@9	24.31	23.29	0.2133
77	30	15	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.32	23.3	0.2138
77	30	15	656000	3840	DFT-s-OFDM 16 QAM	1@36	24.25	23.23	0.2104
77	30	15	656000	3840	DFT-s-OFDM 64 QAM	18@9	22.86	21.84	0.1528
77	30	15	656000	3840	DFT-s-OFDM 64 QAM	1@1	22.86	21.84	0.1528
77	30	15	656000	3840	DFT-s-OFDM 64 QAM	1@36	22.66	21.64	0.1459
77	30	15	656000	3840	DFT-s-OFDM 256 QAM	18@9	20.74	19.72	0.0938
77	30	15	656000	3840	DFT-s-OFDM 256 QAM	1@1	20.84	19.82	0.0959
77	30	15	656000	3840	DFT-s-OFDM 256 QAM	1@36	20.76	19.74	0.0942
77	30	15	656000	3840	CP-OFDM QPSK	19@9	23.84	22.82	0.1914
77	30	15	656000	3840	CP-OFDM QPSK	1@1	23.79	22.77	0.1892
77	30	15	656000	3840	CP-OFDM QPSK	1@36	23.69	22.67	0.1849
77	30	15	664832	3972.48	DFT-s-OFDM PI/2 BPSK	18@9	24.97	23.95	0.2483
77	30	15	664832	3972.48	DFT-s-OFDM PI/2 BPSK	1@1	24.94	23.92	0.2466
77	30	15	664832	3972.48	DFT-s-OFDM PI/2 BPSK	1@36	24.9	23.88	0.2443
77	30	15	664832	3972.48	DFT-s-OFDM QPSK	18@9	25.01	23.99	0.2506
77	30	15	664832	3972.48	DFT-s-OFDM QPSK	1@1	24.94	23.92	0.2466
77	30	15	664832	3972.48	DFT-s-OFDM QPSK	1@36	24.92	23.9	0.2455

77	30	15	664832	3972.48	DFT-s-OFDM 16 QAM	18@9	24.03	23.01	0.2000
77	30	15	664832	3972.48	DFT-s-OFDM 16 QAM	1@1	23.96	22.94	0.1968
77	30	15	664832	3972.48	DFT-s-OFDM 16 QAM	1@36	23.89	22.87	0.1936
77	30	15	664832	3972.48	DFT-s-OFDM 64 QAM	18@9	22.51	21.49	0.1409
77	30	15	664832	3972.48	DFT-s-OFDM 64 QAM	1@1	22.4	21.38	0.1374
77	30	15	664832	3972.48	DFT-s-OFDM 64 QAM	1@36	22.34	21.32	0.1355
77	30	15	664832	3972.48	DFT-s-OFDM 256 QAM	18@9	20.44	19.42	0.0875
77	30	15	664832	3972.48	DFT-s-OFDM 256 QAM	1@1	20.49	19.47	0.0885
77	30	15	664832	3972.48	DFT-s-OFDM 256 QAM	1@36	20.42	19.4	0.0871
77	30	15	664832	3972.48	CP-OFDM QPSK	19@9	23.51	22.49	0.1774
77	30	15	664832	3972.48	CP-OFDM QPSK	1@1	23.46	22.44	0.1754
77	30	15	664832	3972.48	CP-OFDM QPSK	1@36	23.44	22.42	0.1746
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	25@12	25.26	24.24	0.2655
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@1	25.16	24.14	0.2594
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@49	25.16	24.14	0.2594
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	25@12	25.26	24.24	0.2655
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	25.1	24.08	0.2559
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@49	25.13	24.11	0.2576
77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	25@12	24.32	23.3	0.2138
77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	24.12	23.1	0.2042
77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@49	24.14	23.12	0.2051
77	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	25@12	22.77	21.75	0.1496
77	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	1@1	22.59	21.57	0.1435
77	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	1@49	22.6	21.58	0.1439
77	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	25@12	20.8	19.78	0.0951
77	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	1@1	20.65	19.63	0.0918
77	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	1@49	20.66	19.64	0.0920
77	30	20	647334	3710.01	CP-OFDM QPSK	25@12	23.76	22.74	0.1879
77	30	20	647334	3710.01	CP-OFDM QPSK	1@1	23.59	22.57	0.1807
77	30	20	647334	3710.01	CP-OFDM QPSK	1@49	23.85	22.83	0.1919
77	30	20	656000	3840	DFT-s-OFDM PI/2 BPSK	25@12	25.32	24.3	0.2692
77	30	20	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	25.31	24.29	0.2685
77	30	20	656000	3840	DFT-s-OFDM PI/2 BPSK	1@49	25.23	24.21	0.2636
77	30	20	656000	3840	DFT-s-OFDM QPSK	25@12	25.34	24.32	0.2704

77	30	20	656000	3840	DFT-s-OFDM QPSK	1@1	25.29	24.27	0.2673
77	30	20	656000	3840	DFT-s-OFDM QPSK	1@49	25.21	24.19	0.2624
77	30	20	656000	3840	DFT-s-OFDM 16 QAM	25@12	24.33	23.31	0.2143
77	30	20	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.29	23.27	0.2123
77	30	20	656000	3840	DFT-s-OFDM 16 QAM	1@49	24.25	23.23	0.2104
77	30	20	656000	3840	DFT-s-OFDM 64 QAM	25@12	22.87	21.85	0.1531
77	30	20	656000	3840	DFT-s-OFDM 64 QAM	1@1	22.75	21.73	0.1489
77	30	20	656000	3840	DFT-s-OFDM 64 QAM	1@49	22.89	21.87	0.1538
77	30	20	656000	3840	DFT-s-OFDM 256 QAM	25@12	20.88	19.86	0.0968
77	30	20	656000	3840	DFT-s-OFDM 256 QAM	1@1	20.84	19.82	0.0959
77	30	20	656000	3840	DFT-s-OFDM 256 QAM	1@49	20.77	19.75	0.0944
77	30	20	656000	3840	CP-OFDM QPSK	25@12	23.84	22.82	0.1914
77	30	20	656000	3840	CP-OFDM QPSK	1@1	23.81	22.79	0.1901
77	30	20	656000	3840	CP-OFDM QPSK	1@49	23.73	22.71	0.1866
77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	25@12	25.02	24	0.2512
77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	1@1	24.96	23.94	0.2477
77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	1@49	24.91	23.89	0.2449
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	25@12	25.04	24.02	0.2523
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@1	25	23.98	0.2500
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@49	24.93	23.91	0.2460
77	30	20	664666	3969.99	DFT-s-OFDM 16 QAM	25@12	24.04	23.02	0.2004
77	30	20	664666	3969.99	DFT-s-OFDM 16 QAM	1@1	23.97	22.95	0.1972
77	30	20	664666	3969.99	DFT-s-OFDM 16 QAM	1@49	23.9	22.88	0.1941
77	30	20	664666	3969.99	DFT-s-OFDM 64 QAM	25@12	22.54	21.52	0.1419
77	30	20	664666	3969.99	DFT-s-OFDM 64 QAM	1@1	22.43	21.41	0.1384
77	30	20	664666	3969.99	DFT-s-OFDM 64 QAM	1@49	22.55	21.53	0.1422
77	30	20	664666	3969.99	DFT-s-OFDM 256 QAM	25@12	20.59	19.57	0.0906
77	30	20	664666	3969.99	DFT-s-OFDM 256 QAM	1@1	20.51	19.49	0.0889
77	30	20	664666	3969.99	DFT-s-OFDM 256 QAM	1@49	20.41	19.39	0.0869
77	30	20	664666	3969.99	CP-OFDM QPSK	25@12	23.51	22.49	0.1774
77	30	20	664666	3969.99	CP-OFDM QPSK	1@1	23.59	22.57	0.1807
77	30	20	664666	3969.99	CP-OFDM QPSK	1@49	23.47	22.45	0.1758
77	30	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	32@16	25.02	24	0.2512
77	30	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	1@1	24.39	23.37	0.2173

77	30	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	1@63	24.34	23.32	0.2148
77	30	25	647500	3712.5	DFT-s-OFDM QPSK	32@16	24.99	23.97	0.2495
77	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	24.33	23.31	0.2143
77	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@63	24.38	23.36	0.2168
77	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	32@16	24.03	23.01	0.2000
77	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	23.34	22.32	0.1706
77	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@63	23.4	22.38	0.1730
77	30	25	647500	3712.5	DFT-s-OFDM 64 QAM	32@16	22.47	21.45	0.1396
77	30	25	647500	3712.5	DFT-s-OFDM 64 QAM	1@1	21.84	20.82	0.1208
77	30	25	647500	3712.5	DFT-s-OFDM 64 QAM	1@63	21.83	20.81	0.1205
77	30	25	647500	3712.5	DFT-s-OFDM 256 QAM	32@16	20.52	19.5	0.0891
77	30	25	647500	3712.5	DFT-s-OFDM 256 QAM	1@1	19.85	18.83	0.0764
77	30	25	647500	3712.5	DFT-s-OFDM 256 QAM	1@63	19.87	18.85	0.0767
77	30	25	647500	3712.5	CP-OFDM QPSK	33@16	23.51	22.49	0.1774
77	30	25	647500	3712.5	CP-OFDM QPSK	1@1	22.95	21.93	0.1560
77	30	25	647500	3712.5	CP-OFDM QPSK	1@63	22.92	21.9	0.1549
77	30	25	656000	3840	DFT-s-OFDM PI/2 BPSK	32@16	25.03	24.01	0.2518
77	30	25	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	24.48	23.46	0.2218
77	30	25	656000	3840	DFT-s-OFDM PI/2 BPSK	1@63	24.36	23.34	0.2158
77	30	25	656000	3840	DFT-s-OFDM QPSK	32@16	25.07	24.05	0.2541
77	30	25	656000	3840	DFT-s-OFDM QPSK	1@1	24.45	23.43	0.2203
77	30	25	656000	3840	DFT-s-OFDM QPSK	1@63	24.33	23.31	0.2143
77	30	25	656000	3840	DFT-s-OFDM 16 QAM	32@16	24.11	23.09	0.2037
77	30	25	656000	3840	DFT-s-OFDM 16 QAM	1@1	23.37	22.35	0.1718
77	30	25	656000	3840	DFT-s-OFDM 16 QAM	1@63	23.39	22.37	0.1726
77	30	25	656000	3840	DFT-s-OFDM 64 QAM	32@16	22.54	21.52	0.1419
77	30	25	656000	3840	DFT-s-OFDM 64 QAM	1@1	21.92	20.9	0.1230
77	30	25	656000	3840	DFT-s-OFDM 64 QAM	1@63	21.83	20.81	0.1205
77	30	25	656000	3840	DFT-s-OFDM 256 QAM	32@16	20.52	19.5	0.0891
77	30	25	656000	3840	DFT-s-OFDM 256 QAM	1@1	19.96	18.94	0.0783
77	30	25	656000	3840	DFT-s-OFDM 256 QAM	1@63	19.9	18.88	0.0773
77	30	25	656000	3840	CP-OFDM QPSK	33@16	23.54	22.52	0.1786
77	30	25	656000	3840	CP-OFDM QPSK	1@1	23.11	22.09	0.1618
77	30	25	656000	3840	CP-OFDM QPSK	1@63	22.94	21.92	0.1556

77	30	25	664500	3967.5	DFT-s-OFDM PI/2 BPSK	32@16	24.71	23.69	0.2339
77	30	25	664500	3967.5	DFT-s-OFDM PI/2 BPSK	1@1	24.1	23.08	0.2032
77	30	25	664500	3967.5	DFT-s-OFDM PI/2 BPSK	1@63	24.02	23	0.1995
77	30	25	664500	3967.5	DFT-s-OFDM QPSK	32@16	24.71	23.69	0.2339
77	30	25	664500	3967.5	DFT-s-OFDM QPSK	1@1	24.13	23.11	0.2046
77	30	25	664500	3967.5	DFT-s-OFDM QPSK	1@63	23.99	22.97	0.1982
77	30	25	664500	3967.5	DFT-s-OFDM 16 QAM	32@16	23.72	22.7	0.1862
77	30	25	664500	3967.5	DFT-s-OFDM 16 QAM	1@1	23.06	22.04	0.1600
77	30	25	664500	3967.5	DFT-s-OFDM 16 QAM	1@63	23.07	22.05	0.1603
77	30	25	664500	3967.5	DFT-s-OFDM 64 QAM	32@16	22.18	21.16	0.1306
77	30	25	664500	3967.5	DFT-s-OFDM 64 QAM	1@1	21.57	20.55	0.1135
77	30	25	664500	3967.5	DFT-s-OFDM 64 QAM	1@63	21.51	20.49	0.1119
77	30	25	664500	3967.5	DFT-s-OFDM 256 QAM	32@16	20.24	19.22	0.0836
77	30	25	664500	3967.5	DFT-s-OFDM 256 QAM	1@1	19.66	18.64	0.0731
77	30	25	664500	3967.5	DFT-s-OFDM 256 QAM	1@63	19.55	18.53	0.0713
77	30	25	664500	3967.5	CP-OFDM QPSK	33@16	23.24	22.22	0.1667
77	30	25	664500	3967.5	CP-OFDM QPSK	1@1	22.63	21.61	0.1449
77	30	25	664500	3967.5	CP-OFDM QPSK	1@63	22.55	21.53	0.1422
77	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	36@18	25.18	24.16	0.2606
77	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@1	25.06	24.04	0.2535
77	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@76	25.14	24.12	0.2582
77	30	30	647668	3715.02	DFT-s-OFDM QPSK	36@18	25.13	24.11	0.2576
77	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	25.06	24.04	0.2535
77	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@76	25.13	24.11	0.2576
77	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	36@18	24.13	23.11	0.2046
77	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	24.07	23.05	0.2018
77	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@76	24.13	23.11	0.2046
77	30	30	647668	3715.02	DFT-s-OFDM 64 QAM	36@18	22.62	21.6	0.1445
77	30	30	647668	3715.02	DFT-s-OFDM 64 QAM	1@1	22.51	21.49	0.1409
77	30	30	647668	3715.02	DFT-s-OFDM 64 QAM	1@76	22.91	21.89	0.1545
77	30	30	647668	3715.02	DFT-s-OFDM 256 QAM	36@18	20.64	19.62	0.0916
77	30	30	647668	3715.02	DFT-s-OFDM 256 QAM	1@1	20.58	19.56	0.0904
77	30	30	647668	3715.02	DFT-s-OFDM 256 QAM	1@76	20.67	19.65	0.0923
77	30	30	647668	3715.02	CP-OFDM QPSK	39@19	23.69	22.67	0.1849

77	30	30	647668	3715.02	CP-OFDM QPSK	1@1	23.62	22.6	0.1820
77	30	30	647668	3715.02	CP-OFDM QPSK	1@76	23.68	22.66	0.1845
77	30	30	656000	3840	DFT-s-OFDM PI/2 BPSK	36@18	25.14	24.12	0.2582
77	30	30	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	25.11	24.09	0.2564
77	30	30	656000	3840	DFT-s-OFDM PI/2 BPSK	1@76	25.01	23.99	0.2506
77	30	30	656000	3840	DFT-s-OFDM QPSK	36@18	25.16	24.14	0.2594
77	30	30	656000	3840	DFT-s-OFDM QPSK	1@1	25.15	24.13	0.2588
77	30	30	656000	3840	DFT-s-OFDM QPSK	1@76	25.02	24	0.2512
77	30	30	656000	3840	DFT-s-OFDM 16 QAM	36@18	24.15	23.13	0.2056
77	30	30	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.13	23.11	0.2046
77	30	30	656000	3840	DFT-s-OFDM 16 QAM	1@76	24.01	22.99	0.1991
77	30	30	656000	3840	DFT-s-OFDM 64 QAM	36@18	22.65	21.63	0.1455
77	30	30	656000	3840	DFT-s-OFDM 64 QAM	1@1	22.59	21.57	0.1435
77	30	30	656000	3840	DFT-s-OFDM 64 QAM	1@76	22.67	21.65	0.1462
77	30	30	656000	3840	DFT-s-OFDM 256 QAM	36@18	20.64	19.62	0.0916
77	30	30	656000	3840	DFT-s-OFDM 256 QAM	1@1	20.63	19.61	0.0914
77	30	30	656000	3840	DFT-s-OFDM 256 QAM	1@76	20.5	19.48	0.0887
77	30	30	656000	3840	CP-OFDM QPSK	39@19	23.62	22.6	0.1820
77	30	30	656000	3840	CP-OFDM QPSK	1@1	23.65	22.63	0.1832
77	30	30	656000	3840	CP-OFDM QPSK	1@76	23.43	22.41	0.1742
77	30	30	664332	3964.98	DFT-s-OFDM PI/2 BPSK	36@18	24.75	23.73	0.2360
77	30	30	664332	3964.98	DFT-s-OFDM PI/2 BPSK	1@1	24.79	23.77	0.2382
77	30	30	664332	3964.98	DFT-s-OFDM PI/2 BPSK	1@76	24.64	23.62	0.2301
77	30	30	664332	3964.98	DFT-s-OFDM QPSK	36@18	24.77	23.75	0.2371
77	30	30	664332	3964.98	DFT-s-OFDM QPSK	1@1	24.8	23.78	0.2388
77	30	30	664332	3964.98	DFT-s-OFDM QPSK	1@76	24.64	23.62	0.2301
77	30	30	664332	3964.98	DFT-s-OFDM 16 QAM	36@18	23.76	22.74	0.1879
77	30	30	664332	3964.98	DFT-s-OFDM 16 QAM	1@1	23.76	22.74	0.1879
77	30	30	664332	3964.98	DFT-s-OFDM 16 QAM	1@76	23.64	22.62	0.1828
77	30	30	664332	3964.98	DFT-s-OFDM 64 QAM	36@18	22.25	21.23	0.1327
77	30	30	664332	3964.98	DFT-s-OFDM 64 QAM	1@1	22.53	21.51	0.1416
77	30	30	664332	3964.98	DFT-s-OFDM 64 QAM	1@76	22.07	21.05	0.1274
77	30	30	664332	3964.98	DFT-s-OFDM 256 QAM	36@18	20.23	19.21	0.0834
77	30	30	664332	3964.98	DFT-s-OFDM 256 QAM	1@1	20.35	19.33	0.0857

77	30	30	664332	3964.98	DFT-s-OFDM 256 QAM	1@76	20.18	19.16	0.0824
77	30	30	664332	3964.98	CP-OFDM QPSK	39@19	23.26	22.24	0.1675
77	30	30	664332	3964.98	CP-OFDM QPSK	1@1	23.34	22.32	0.1706
77	30	30	664332	3964.98	CP-OFDM QPSK	1@76	23.06	22.04	0.1600
77	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	50@25	25.13	24.11	0.2576
77	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@1	25.09	24.07	0.2553
77	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@104	25.21	24.19	0.2624
77	30	40	648000	3720	DFT-s-OFDM QPSK	50@25	25.16	24.14	0.2594
77	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	25.03	24.01	0.2518
77	30	40	648000	3720	DFT-s-OFDM QPSK	1@104	25.19	24.17	0.2612
77	30	40	648000	3720	DFT-s-OFDM 16 QAM	50@25	24.18	23.16	0.2070
77	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	24.04	23.02	0.2004
77	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@104	24.14	23.12	0.2051
77	30	40	648000	3720	DFT-s-OFDM 64 QAM	50@25	22.68	21.66	0.1466
77	30	40	648000	3720	DFT-s-OFDM 64 QAM	1@1	22.64	21.62	0.1452
77	30	40	648000	3720	DFT-s-OFDM 64 QAM	1@104	22.8	21.78	0.1507
77	30	40	648000	3720	DFT-s-OFDM 256 QAM	50@25	20.62	19.6	0.0912
77	30	40	648000	3720	DFT-s-OFDM 256 QAM	1@1	20.59	19.57	0.0906
77	30	40	648000	3720	DFT-s-OFDM 256 QAM	1@104	20.74	19.72	0.0938
77	30	40	648000	3720	CP-OFDM QPSK	53@26	23.68	22.66	0.1845
77	30	40	648000	3720	CP-OFDM QPSK	1@1	23.71	22.69	0.1858
77	30	40	648000	3720	CP-OFDM QPSK	1@104	23.78	22.76	0.1888
77	30	40	656000	3840	DFT-s-OFDM PI/2 BPSK	50@25	25.14	24.12	0.2582
77	30	40	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	25.06	24.04	0.2535
77	30	40	656000	3840	DFT-s-OFDM PI/2 BPSK	1@104	24.96	23.94	0.2477
77	30	40	656000	3840	DFT-s-OFDM QPSK	50@25	25.15	24.13	0.2588
77	30	40	656000	3840	DFT-s-OFDM QPSK	1@1	25.13	24.11	0.2576
77	30	40	656000	3840	DFT-s-OFDM QPSK	1@104	24.99	23.97	0.2495
77	30	40	656000	3840	DFT-s-OFDM 16 QAM	50@25	24.16	23.14	0.2061
77	30	40	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.14	23.12	0.2051
77	30	40	656000	3840	DFT-s-OFDM 16 QAM	1@104	24.03	23.01	0.2000
77	30	40	656000	3840	DFT-s-OFDM 64 QAM	50@25	22.67	21.65	0.1462
77	30	40	656000	3840	DFT-s-OFDM 64 QAM	1@1	22.64	21.62	0.1452
77	30	40	656000	3840	DFT-s-OFDM 64 QAM	1@104	22.5	21.48	0.1406

77	30	40	656000	3840	DFT-s-OFDM 256 QAM	50@25	20.61	19.59	0.0910
77	30	40	656000	3840	DFT-s-OFDM 256 QAM	1@1	20.69	19.67	0.0927
77	30	40	656000	3840	DFT-s-OFDM 256 QAM	1@104	20.53	19.51	0.0893
77	30	40	656000	3840	CP-OFDM QPSK	53@26	23.62	22.6	0.1820
77	30	40	656000	3840	CP-OFDM QPSK	1@1	23.72	22.7	0.1862
77	30	40	656000	3840	CP-OFDM QPSK	1@104	23.58	22.56	0.1803
77	30	40	664000	3960	DFT-s-OFDM PI/2 BPSK	50@25	24.84	23.82	0.2410
77	30	40	664000	3960	DFT-s-OFDM PI/2 BPSK	1@1	24.93	23.91	0.2460
77	30	40	664000	3960	DFT-s-OFDM PI/2 BPSK	1@104	24.69	23.67	0.2328
77	30	40	664000	3960	DFT-s-OFDM QPSK	50@25	24.87	23.85	0.2427
77	30	40	664000	3960	DFT-s-OFDM QPSK	1@1	24.89	23.87	0.2438
77	30	40	664000	3960	DFT-s-OFDM QPSK	1@104	24.7	23.68	0.2333
77	30	40	664000	3960	DFT-s-OFDM 16 QAM	50@25	23.88	22.86	0.1932
77	30	40	664000	3960	DFT-s-OFDM 16 QAM	1@1	23.9	22.88	0.1941
77	30	40	664000	3960	DFT-s-OFDM 16 QAM	1@104	23.74	22.72	0.1871
77	30	40	664000	3960	DFT-s-OFDM 64 QAM	50@25	22.39	21.37	0.1371
77	30	40	664000	3960	DFT-s-OFDM 64 QAM	1@1	22.4	21.38	0.1374
77	30	40	664000	3960	DFT-s-OFDM 64 QAM	1@104	22.36	21.34	0.1361
77	30	40	664000	3960	DFT-s-OFDM 256 QAM	50@25	20.32	19.3	0.0851
77	30	40	664000	3960	DFT-s-OFDM 256 QAM	1@1	20.42	19.4	0.0871
77	30	40	664000	3960	DFT-s-OFDM 256 QAM	1@104	20.24	19.22	0.0836
77	30	40	664000	3960	CP-OFDM QPSK	53@26	23.34	22.32	0.1706
77	30	40	664000	3960	CP-OFDM QPSK	1@1	23.46	22.44	0.1754
77	30	40	664000	3960	CP-OFDM QPSK	1@104	23.32	22.3	0.1698
77	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	64@32	25.17	24.15	0.2600
77	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@1	25.02	24	0.2512
77	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@131	25.19	24.17	0.2612
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	64@32	25.19	24.17	0.2612
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	25.02	24	0.2512
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@131	25.2	24.18	0.2618
77	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	64@32	24.17	23.15	0.2065
77	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	24.02	23	0.1995
77	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@131	24.22	23.2	0.2089
77	30	50	648334	3725.01	DFT-s-OFDM 64 QAM	64@32	22.72	21.7	0.1479

77	30	50	648334	3725.01	DFT-s-OFDM 64 QAM	1@1	22.77	21.75	0.1496
77	30	50	648334	3725.01	DFT-s-OFDM 64 QAM	1@131	22.65	21.63	0.1455
77	30	50	648334	3725.01	DFT-s-OFDM 256 QAM	64@32	20.66	19.64	0.0920
77	30	50	648334	3725.01	DFT-s-OFDM 256 QAM	1@1	20.57	19.55	0.0902
77	30	50	648334	3725.01	DFT-s-OFDM 256 QAM	1@131	20.69	19.67	0.0927
77	30	50	648334	3725.01	CP-OFDM QPSK	67@33	23.74	22.72	0.1871
77	30	50	648334	3725.01	CP-OFDM QPSK	1@1	23.51	22.49	0.1774
77	30	50	648334	3725.01	CP-OFDM QPSK	1@131	23.67	22.65	0.1841
77	30	50	656000	3840	DFT-s-OFDM PI/2 BPSK	64@32	25.19	24.17	0.2612
77	30	50	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	25.12	24.1	0.2570
77	30	50	656000	3840	DFT-s-OFDM PI/2 BPSK	1@131	24.97	23.95	0.2483
77	30	50	656000	3840	DFT-s-OFDM QPSK	64@32	25.2	24.18	0.2618
77	30	50	656000	3840	DFT-s-OFDM QPSK	1@1	25.15	24.13	0.2588
77	30	50	656000	3840	DFT-s-OFDM QPSK	1@131	24.99	23.97	0.2495
77	30	50	656000	3840	DFT-s-OFDM 16 QAM	64@32	24.19	23.17	0.2075
77	30	50	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.17	23.15	0.2065
77	30	50	656000	3840	DFT-s-OFDM 16 QAM	1@131	24	22.98	0.1986
77	30	50	656000	3840	DFT-s-OFDM 64 QAM	64@32	22.7	21.68	0.1472
77	30	50	656000	3840	DFT-s-OFDM 64 QAM	1@1	22.72	21.7	0.1479
77	30	50	656000	3840	DFT-s-OFDM 64 QAM	1@131	22.72	21.7	0.1479
77	30	50	656000	3840	DFT-s-OFDM 256 QAM	64@32	20.66	19.64	0.0920
77	30	50	656000	3840	DFT-s-OFDM 256 QAM	1@1	20.63	19.61	0.0914
77	30	50	656000	3840	DFT-s-OFDM 256 QAM	1@131	20.52	19.5	0.0891
77	30	50	656000	3840	CP-OFDM QPSK	67@33	23.71	22.69	0.1858
77	30	50	656000	3840	CP-OFDM QPSK	1@1	23.62	22.6	0.1820
77	30	50	656000	3840	CP-OFDM QPSK	1@131	23.45	22.43	0.1750
77	30	50	663666	3954.99	DFT-s-OFDM PI/2 BPSK	64@32	24.86	23.84	0.2421
77	30	50	663666	3954.99	DFT-s-OFDM PI/2 BPSK	1@1	24.84	23.82	0.2410
77	30	50	663666	3954.99	DFT-s-OFDM PI/2 BPSK	1@131	24.65	23.63	0.2307
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	64@32	24.88	23.86	0.2432
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@1	24.87	23.85	0.2427
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@131	24.7	23.68	0.2333
77	30	50	663666	3954.99	DFT-s-OFDM 16 QAM	64@32	23.89	22.87	0.1936
77	30	50	663666	3954.99	DFT-s-OFDM 16 QAM	1@1	23.9	22.88	0.1941

77	30	50	663666	3954.99	DFT-s-OFDM 16 QAM	1@131	23.64	22.62	0.1828
77	30	50	663666	3954.99	DFT-s-OFDM 64 QAM	64@32	22.39	21.37	0.1371
77	30	50	663666	3954.99	DFT-s-OFDM 64 QAM	1@1	22.55	21.53	0.1422
77	30	50	663666	3954.99	DFT-s-OFDM 64 QAM	1@131	22.42	21.4	0.1380
77	30	50	663666	3954.99	DFT-s-OFDM 256 QAM	64@32	20.38	19.36	0.0863
77	30	50	663666	3954.99	DFT-s-OFDM 256 QAM	1@1	20.42	19.4	0.0871
77	30	50	663666	3954.99	DFT-s-OFDM 256 QAM	1@131	20.2	19.18	0.0828
77	30	50	663666	3954.99	CP-OFDM QPSK	67@33	23.41	22.39	0.1734
77	30	50	663666	3954.99	CP-OFDM QPSK	1@1	23.5	22.48	0.1770
77	30	50	663666	3954.99	CP-OFDM QPSK	1@131	23.31	22.29	0.1694
77	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	81@40	25.14	24.12	0.2582
77	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@1	24.89	23.87	0.2438
77	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@160	25.03	24.01	0.2518
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	81@40	25.16	24.14	0.2594
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	24.85	23.83	0.2415
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@160	25.07	24.05	0.2541
77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	81@40	24.12	23.1	0.2042
77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	23.93	22.91	0.1954
77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@160	24.05	23.03	0.2009
77	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	81@40	22.64	21.62	0.1452
77	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	1@1	22.54	21.52	0.1419
77	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	1@160	22.52	21.5	0.1413
77	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	81@40	20.6	19.58	0.0908
77	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	1@1	20.43	19.41	0.0873
77	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	1@160	20.56	19.54	0.0899
77	30	60	648668	3730.02	CP-OFDM QPSK	81@40	23.59	22.57	0.1807
77	30	60	648668	3730.02	CP-OFDM QPSK	1@1	23.42	22.4	0.1738
77	30	60	648668	3730.02	CP-OFDM QPSK	1@160	23.57	22.55	0.1799
77	30	60	656000	3840	DFT-s-OFDM PI/2 BPSK	81@40	25.15	24.13	0.2588
77	30	60	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	25.11	24.09	0.2564
77	30	60	656000	3840	DFT-s-OFDM PI/2 BPSK	1@160	24.96	23.94	0.2477
77	30	60	656000	3840	DFT-s-OFDM QPSK	81@40	25.18	24.16	0.2606
77	30	60	656000	3840	DFT-s-OFDM QPSK	1@1	25.09	24.07	0.2553
77	30	60	656000	3840	DFT-s-OFDM QPSK	1@160	24.93	23.91	0.2460

77	30	60	656000	3840	DFT-s-OFDM 16 QAM	81@40	24.15	23.13	0.2056
77	30	60	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.11	23.09	0.2037
77	30	60	656000	3840	DFT-s-OFDM 16 QAM	1@160	23.87	22.85	0.1928
77	30	60	656000	3840	DFT-s-OFDM 64 QAM	81@40	22.67	21.65	0.1462
77	30	60	656000	3840	DFT-s-OFDM 64 QAM	1@1	22.74	21.72	0.1486
77	30	60	656000	3840	DFT-s-OFDM 64 QAM	1@160	22.48	21.46	0.1400
77	30	60	656000	3840	DFT-s-OFDM 256 QAM	81@40	20.65	19.63	0.0918
77	30	60	656000	3840	DFT-s-OFDM 256 QAM	1@1	20.63	19.61	0.0914
77	30	60	656000	3840	DFT-s-OFDM 256 QAM	1@160	20.44	19.42	0.0875
77	30	60	656000	3840	CP-OFDM QPSK	81@40	23.65	22.63	0.1832
77	30	60	656000	3840	CP-OFDM QPSK	1@1	23.59	22.57	0.1807
77	30	60	656000	3840	CP-OFDM QPSK	1@160	23.48	22.46	0.1762
77	30	60	663332	3949.98	DFT-s-OFDM PI/2 BPSK	81@40	24.9	23.88	0.2443
77	30	60	663332	3949.98	DFT-s-OFDM PI/2 BPSK	1@1	24.94	23.92	0.2466
77	30	60	663332	3949.98	DFT-s-OFDM PI/2 BPSK	1@160	24.71	23.69	0.2339
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	81@40	24.92	23.9	0.2455
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@1	24.93	23.91	0.2460
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@160	24.64	23.62	0.2301
77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	81@40	23.9	22.88	0.1941
77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	1@1	23.91	22.89	0.1945
77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	1@160	23.69	22.67	0.1849
77	30	60	663332	3949.98	DFT-s-OFDM 64 QAM	81@40	22.43	21.41	0.1384
77	30	60	663332	3949.98	DFT-s-OFDM 64 QAM	1@1	22.36	21.34	0.1361
77	30	60	663332	3949.98	DFT-s-OFDM 64 QAM	1@160	22.11	21.09	0.1285
77	30	60	663332	3949.98	DFT-s-OFDM 256 QAM	81@40	20.41	19.39	0.0869
77	30	60	663332	3949.98	DFT-s-OFDM 256 QAM	1@1	20.42	19.4	0.0871
77	30	60	663332	3949.98	DFT-s-OFDM 256 QAM	1@160	20.21	19.19	0.0830
77	30	60	663332	3949.98	CP-OFDM QPSK	81@40	23.42	22.4	0.1738
77	30	60	663332	3949.98	CP-OFDM QPSK	1@1	23.54	22.52	0.1786
77	30	60	663332	3949.98	CP-OFDM QPSK	1@160	23.31	22.29	0.1694
77	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	90@45	25.2	24.18	0.2618
77	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	1@1	24.97	23.95	0.2483
77	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	1@187	25.17	24.15	0.2600
77	30	70	649000	3735	DFT-s-OFDM QPSK	90@45	25.21	24.19	0.2624

77	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	24.95	23.93	0.2472
77	30	70	649000	3735	DFT-s-OFDM QPSK	1@187	25.12	24.1	0.2570
77	30	70	649000	3735	DFT-s-OFDM 16 QAM	90@45	24.21	23.19	0.2084
77	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	23.99	22.97	0.1982
77	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@187	24.18	23.16	0.2070
77	30	70	649000	3735	DFT-s-OFDM 64 QAM	90@45	22.7	21.68	0.1472
77	30	70	649000	3735	DFT-s-OFDM 64 QAM	1@1	22.65	21.63	0.1455
77	30	70	649000	3735	DFT-s-OFDM 64 QAM	1@187	22.83	21.81	0.1517
77	30	70	649000	3735	DFT-s-OFDM 256 QAM	90@45	20.7	19.68	0.0929
77	30	70	649000	3735	DFT-s-OFDM 256 QAM	1@1	20.57	19.55	0.0902
77	30	70	649000	3735	DFT-s-OFDM 256 QAM	1@187	20.71	19.69	0.0931
77	30	70	649000	3735	CP-OFDM QPSK	95@47	23.72	22.7	0.1862
77	30	70	649000	3735	CP-OFDM QPSK	1@1	23.58	22.56	0.1803
77	30	70	649000	3735	CP-OFDM QPSK	1@187	23.78	22.76	0.1888
77	30	70	656000	3840	DFT-s-OFDM PI/2 BPSK	90@45	25.33	24.31	0.2698
77	30	70	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	25.25	24.23	0.2649
77	30	70	656000	3840	DFT-s-OFDM PI/2 BPSK	1@187	24.97	23.95	0.2483
77	30	70	656000	3840	DFT-s-OFDM QPSK	90@45	25.37	24.35	0.2723
77	30	70	656000	3840	DFT-s-OFDM QPSK	1@1	25.23	24.21	0.2636
77	30	70	656000	3840	DFT-s-OFDM QPSK	1@187	24.97	23.95	0.2483
77	30	70	656000	3840	DFT-s-OFDM 16 QAM	90@45	24.32	23.3	0.2138
77	30	70	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.32	23.3	0.2138
77	30	70	656000	3840	DFT-s-OFDM 16 QAM	1@187	23.99	22.97	0.1982
77	30	70	656000	3840	DFT-s-OFDM 64 QAM	90@45	22.84	21.82	0.1521
77	30	70	656000	3840	DFT-s-OFDM 64 QAM	1@1	22.71	21.69	0.1476
77	30	70	656000	3840	DFT-s-OFDM 64 QAM	1@187	22.51	21.49	0.1409
77	30	70	656000	3840	DFT-s-OFDM 256 QAM	90@45	20.84	19.82	0.0959
77	30	70	656000	3840	DFT-s-OFDM 256 QAM	1@1	20.77	19.75	0.0944
77	30	70	656000	3840	DFT-s-OFDM 256 QAM	1@187	20.53	19.51	0.0893
77	30	70	656000	3840	CP-OFDM QPSK	95@47	23.82	22.8	0.1905
77	30	70	656000	3840	CP-OFDM QPSK	1@1	23.91	22.89	0.1945
77	30	70	656000	3840	CP-OFDM QPSK	1@187	23.59	22.57	0.1807
77	30	70	663000	3945	DFT-s-OFDM PI/2 BPSK	90@45	25	23.98	0.2500
77	30	70	663000	3945	DFT-s-OFDM PI/2 BPSK	1@1	24.98	23.96	0.2489

77	30	70	663000	3945	DFT-s-OFDM PI/2 BPSK	1@187	24.86	23.84	0.2421
77	30	70	663000	3945	DFT-s-OFDM QPSK	90@45	25.05	24.03	0.2529
77	30	70	663000	3945	DFT-s-OFDM QPSK	1@1	25.01	23.99	0.2506
77	30	70	663000	3945	DFT-s-OFDM QPSK	1@187	24.82	23.8	0.2399
77	30	70	663000	3945	DFT-s-OFDM 16 QAM	90@45	24.06	23.04	0.2014
77	30	70	663000	3945	DFT-s-OFDM 16 QAM	1@1	24.03	23.01	0.2000
77	30	70	663000	3945	DFT-s-OFDM 16 QAM	1@187	23.82	22.8	0.1905
77	30	70	663000	3945	DFT-s-OFDM 64 QAM	90@45	22.55	21.53	0.1422
77	30	70	663000	3945	DFT-s-OFDM 64 QAM	1@1	22.55	21.53	0.1422
77	30	70	663000	3945	DFT-s-OFDM 64 QAM	1@187	22.24	21.22	0.1324
77	30	70	663000	3945	DFT-s-OFDM 256 QAM	90@45	20.58	19.56	0.0904
77	30	70	663000	3945	DFT-s-OFDM 256 QAM	1@1	20.52	19.5	0.0891
77	30	70	663000	3945	DFT-s-OFDM 256 QAM	1@187	20.38	19.36	0.0863
77	30	70	663000	3945	CP-OFDM QPSK	95@47	23.49	22.47	0.1766
77	30	70	663000	3945	CP-OFDM QPSK	1@1	23.56	22.54	0.1795
77	30	70	663000	3945	CP-OFDM QPSK	1@187	23.44	22.42	0.1746
77	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	108@54	25.22	24.2	0.2630
77	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@1	24.99	23.97	0.2495
77	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@215	25.17	24.15	0.2600
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	108@54	25.24	24.22	0.2642
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	25.01	23.99	0.2506
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@215	25.17	24.15	0.2600
77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	108@54	24.26	23.24	0.2109
77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	23.98	22.96	0.1977
77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@215	24.19	23.17	0.2075
77	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	108@54	22.69	21.67	0.1469
77	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	1@1	22.49	21.47	0.1403
77	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	1@215	22.68	21.66	0.1466
77	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	108@54	20.72	19.7	0.0933
77	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	1@1	20.52	19.5	0.0891
77	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	1@215	20.7	19.68	0.0929
77	30	80	649334	3740.01	CP-OFDM QPSK	109@54	23.68	22.66	0.1845
77	30	80	649334	3740.01	CP-OFDM QPSK	1@1	23.4	22.38	0.1730
77	30	80	649334	3740.01	CP-OFDM QPSK	1@215	23.63	22.61	0.1824

77	30	80	656000	3840	DFT-s-OFDM PI/2 BPSK	108@54	25.32	24.3	0.2692
77	30	80	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	25.3	24.28	0.2679
77	30	80	656000	3840	DFT-s-OFDM PI/2 BPSK	1@215	24.99	23.97	0.2495
77	30	80	656000	3840	DFT-s-OFDM QPSK	108@54	25.34	24.32	0.2704
77	30	80	656000	3840	DFT-s-OFDM QPSK	1@1	25.27	24.25	0.2661
77	30	80	656000	3840	DFT-s-OFDM QPSK	1@215	24.99	23.97	0.2495
77	30	80	656000	3840	DFT-s-OFDM 16 QAM	108@54	24.32	23.3	0.2138
77	30	80	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.27	23.25	0.2113
77	30	80	656000	3840	DFT-s-OFDM 16 QAM	1@215	23.99	22.97	0.1982
77	30	80	656000	3840	DFT-s-OFDM 64 QAM	108@54	22.82	21.8	0.1514
77	30	80	656000	3840	DFT-s-OFDM 64 QAM	1@1	22.7	21.68	0.1472
77	30	80	656000	3840	DFT-s-OFDM 64 QAM	1@215	22.46	21.44	0.1393
77	30	80	656000	3840	DFT-s-OFDM 256 QAM	108@54	20.82	19.8	0.0955
77	30	80	656000	3840	DFT-s-OFDM 256 QAM	1@1	20.77	19.75	0.0944
77	30	80	656000	3840	DFT-s-OFDM 256 QAM	1@215	20.52	19.5	0.0891
77	30	80	656000	3840	CP-OFDM QPSK	109@54	23.82	22.8	0.1905
77	30	80	656000	3840	CP-OFDM QPSK	1@1	23.78	22.76	0.1888
77	30	80	656000	3840	CP-OFDM QPSK	1@215	23.53	22.51	0.1782
77	30	80	662666	3939.99	DFT-s-OFDM PI/2 BPSK	108@54	24.94	23.92	0.2466
77	30	80	662666	3939.99	DFT-s-OFDM PI/2 BPSK	1@1	25.04	24.02	0.2523
77	30	80	662666	3939.99	DFT-s-OFDM PI/2 BPSK	1@215	24.74	23.72	0.2355
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	108@54	24.98	23.96	0.2489
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	1@1	25.01	23.99	0.2506
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	1@215	24.77	23.75	0.2371
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	108@54	24.03	23.01	0.2000
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	1@1	24.02	23	0.1995
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	1@215	23.75	22.73	0.1875
77	30	80	662666	3939.99	DFT-s-OFDM 64 QAM	108@54	22.51	21.49	0.1409
77	30	80	662666	3939.99	DFT-s-OFDM 64 QAM	1@1	22.46	21.44	0.1393
77	30	80	662666	3939.99	DFT-s-OFDM 64 QAM	1@215	22.23	21.21	0.1321
77	30	80	662666	3939.99	DFT-s-OFDM 256 QAM	108@54	20.48	19.46	0.0883
77	30	80	662666	3939.99	DFT-s-OFDM 256 QAM	1@1	20.53	19.51	0.0893
77	30	80	662666	3939.99	DFT-s-OFDM 256 QAM	1@215	20.31	19.29	0.0849
77	30	80	662666	3939.99	CP-OFDM QPSK	109@54	23.45	22.43	0.1750

77	30	80	662666	3939.99	CP-OFDM QPSK	1@1	23.5	22.48	0.1770
77	30	80	662666	3939.99	CP-OFDM QPSK	1@215	23.33	22.31	0.1702
77	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	120@60	25.24	24.22	0.2642
77	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@1	24.99	23.97	0.2495
77	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@243	25.15	24.13	0.2588
77	30	90	649668	3745.02	DFT-s-OFDM QPSK	120@60	25.23	24.21	0.2636
77	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	24.99	23.97	0.2495
77	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@243	25.23	24.21	0.2636
77	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	120@60	24.25	23.23	0.2104
77	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	24	22.98	0.1986
77	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@243	24.23	23.21	0.2094
77	30	90	649668	3745.02	DFT-s-OFDM 64 QAM	120@60	22.71	21.69	0.1476
77	30	90	649668	3745.02	DFT-s-OFDM 64 QAM	1@1	22.46	21.44	0.1393
77	30	90	649668	3745.02	DFT-s-OFDM 64 QAM	1@243	22.66	21.64	0.1459
77	30	90	649668	3745.02	DFT-s-OFDM 256 QAM	120@60	20.72	19.7	0.0933
77	30	90	649668	3745.02	DFT-s-OFDM 256 QAM	1@1	20.5	19.48	0.0887
77	30	90	649668	3745.02	DFT-s-OFDM 256 QAM	1@243	20.74	19.72	0.0938
77	30	90	649668	3745.02	CP-OFDM QPSK	123@61	23.69	22.67	0.1849
77	30	90	649668	3745.02	CP-OFDM QPSK	1@1	23.52	22.5	0.1778
77	30	90	649668	3745.02	CP-OFDM QPSK	1@243	23.69	22.67	0.1849
77	30	90	656000	3840	DFT-s-OFDM PI/2 BPSK	120@60	25.3	24.28	0.2679
77	30	90	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	25.15	24.13	0.2588
77	30	90	656000	3840	DFT-s-OFDM PI/2 BPSK	1@243	24.88	23.86	0.2432
77	30	90	656000	3840	DFT-s-OFDM QPSK	120@60	25.34	24.32	0.2704
77	30	90	656000	3840	DFT-s-OFDM QPSK	1@1	25.2	24.18	0.2618
77	30	90	656000	3840	DFT-s-OFDM QPSK	1@243	24.92	23.9	0.2455
77	30	90	656000	3840	DFT-s-OFDM 16 QAM	120@60	24.34	23.32	0.2148
77	30	90	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.22	23.2	0.2089
77	30	90	656000	3840	DFT-s-OFDM 16 QAM	1@243	23.86	22.84	0.1923
77	30	90	656000	3840	DFT-s-OFDM 64 QAM	120@60	22.83	21.81	0.1517
77	30	90	656000	3840	DFT-s-OFDM 64 QAM	1@1	22.67	21.65	0.1462
77	30	90	656000	3840	DFT-s-OFDM 64 QAM	1@243	22.34	21.32	0.1355
77	30	90	656000	3840	DFT-s-OFDM 256 QAM	120@60	20.8	19.78	0.0951
77	30	90	656000	3840	DFT-s-OFDM 256 QAM	1@1	20.72	19.7	0.0933

77	30	90	656000	3840	DFT-s-OFDM 256 QAM	1@243	20.45	19.43	0.0877
77	30	90	656000	3840	CP-OFDM QPSK	123@61	23.8	22.78	0.1897
77	30	90	656000	3840	CP-OFDM QPSK	1@1	23.71	22.69	0.1858
77	30	90	656000	3840	CP-OFDM QPSK	1@243	23.37	22.35	0.1718
77	30	90	662332	3934.98	DFT-s-OFDM PI/2 BPSK	120@60	24.96	23.94	0.2477
77	30	90	662332	3934.98	DFT-s-OFDM PI/2 BPSK	1@1	25.05	24.03	0.2529
77	30	90	662332	3934.98	DFT-s-OFDM PI/2 BPSK	1@243	24.73	23.71	0.2350
77	30	90	662332	3934.98	DFT-s-OFDM QPSK	120@60	25	23.98	0.2500
77	30	90	662332	3934.98	DFT-s-OFDM QPSK	1@1	25.05	24.03	0.2529
77	30	90	662332	3934.98	DFT-s-OFDM QPSK	1@243	24.71	23.69	0.2339
77	30	90	662332	3934.98	DFT-s-OFDM 16 QAM	120@60	23.99	22.97	0.1982
77	30	90	662332	3934.98	DFT-s-OFDM 16 QAM	1@1	23.98	22.96	0.1977
77	30	90	662332	3934.98	DFT-s-OFDM 16 QAM	1@243	23.7	22.68	0.1854
77	30	90	662332	3934.98	DFT-s-OFDM 64 QAM	120@60	22.49	21.47	0.1403
77	30	90	662332	3934.98	DFT-s-OFDM 64 QAM	1@1	22.53	21.51	0.1416
77	30	90	662332	3934.98	DFT-s-OFDM 64 QAM	1@243	22.33	21.31	0.1352
77	30	90	662332	3934.98	DFT-s-OFDM 256 QAM	120@60	20.48	19.46	0.0883
77	30	90	662332	3934.98	DFT-s-OFDM 256 QAM	1@1	20.58	19.56	0.0904
77	30	90	662332	3934.98	DFT-s-OFDM 256 QAM	1@243	20.24	19.22	0.0836
77	30	90	662332	3934.98	CP-OFDM QPSK	123@61	23.46	22.44	0.1754
77	30	90	662332	3934.98	CP-OFDM QPSK	1@1	23.48	22.46	0.1762
77	30	90	662332	3934.98	CP-OFDM QPSK	1@243	23.1	22.08	0.1614
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	25.23	24.21	0.2636
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24.93	23.91	0.2460
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	25.21	24.19	0.2624
77	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	25.26	24.24	0.2655
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	24.98	23.96	0.2489
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	25.27	24.25	0.2661
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	24.26	23.24	0.2109
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.95	22.93	0.1963
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	24.25	23.23	0.2104
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	22.77	21.75	0.1496
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	22.51	21.49	0.1409
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	22.76	21.74	0.1493

77	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	20.74	19.72	0.0938
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	20.47	19.45	0.0881
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	20.78	19.76	0.0946
77	30	100	650000	3750	CP-OFDM QPSK	137@68	23.71	22.69	0.1858
77	30	100	650000	3750	CP-OFDM QPSK	1@1	23.53	22.51	0.1782
77	30	100	650000	3750	CP-OFDM QPSK	1@271	23.86	22.84	0.1923
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	135@67	25.28	24.26	0.2667
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	25.22	24.2	0.2630
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@271	24.88	23.86	0.2432
77	30	100	656000	3840	DFT-s-OFDM QPSK	135@67	25.33	24.31	0.2698
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@1	25.19	24.17	0.2612
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@271	24.87	23.85	0.2427
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	135@67	24.36	23.34	0.2158
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.16	23.14	0.2061
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	1@271	23.8	22.78	0.1897
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	135@67	22.82	21.8	0.1514
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	1@1	22.83	21.81	0.1517
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	1@271	22.51	21.49	0.1409
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	135@67	20.82	19.8	0.0955
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	1@1	20.71	19.69	0.0931
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	1@271	20.39	19.37	0.0865
77	30	100	656000	3840	CP-OFDM QPSK	137@68	23.8	22.78	0.1897
77	30	100	656000	3840	CP-OFDM QPSK	1@1	23.63	22.61	0.1824
77	30	100	656000	3840	CP-OFDM QPSK	1@271	23.26	22.24	0.1675
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	135@67	25.01	23.99	0.2506
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	1@1	25.14	24.12	0.2582
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	1@271	24.8	23.78	0.2388
77	30	100	662000	3930	DFT-s-OFDM QPSK	135@67	25.02	24	0.2512
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@1	25.11	24.09	0.2564
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@271	24.76	23.74	0.2366
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	135@67	24.04	23.02	0.2004
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	1@1	24.17	23.15	0.2065
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	1@271	23.83	22.81	0.1910
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	135@67	22.55	21.53	0.1422

77	30	100	662000	3930	DFT-s-OFDM 64 QAM	1@1	22.58	21.56	0.1432
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	1@271	22.24	21.22	0.1324
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	135@67	20.55	19.53	0.0897
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	1@1	20.65	19.63	0.0918
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	1@271	20.34	19.32	0.0855
77	30	100	662000	3930	CP-OFDM QPSK	137@68	23.52	22.5	0.1778
77	30	100	662000	3930	CP-OFDM QPSK	1@1	23.7	22.68	0.1854
77	30	100	662000	3930	CP-OFDM QPSK	1@271	23.23	22.21	0.1663

Frequency Stability

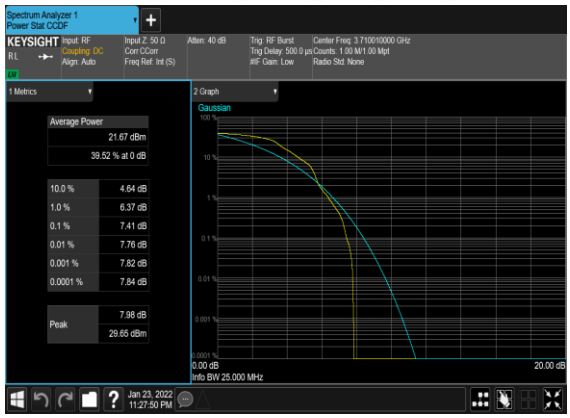
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0151	**PASS**	NV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0221	**PASS**	LV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0313	**PASS**	HV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0511	**PASS**	-30℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0215	**PASS**	-20℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0232	**PASS**	-10℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0123	**PASS**	0℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0131	**PASS**	10℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0113	**PASS**	20℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0135	**PASS**	30℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0121	**PASS**	40℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0117	**PASS**	50℃

Peak to Average Radio

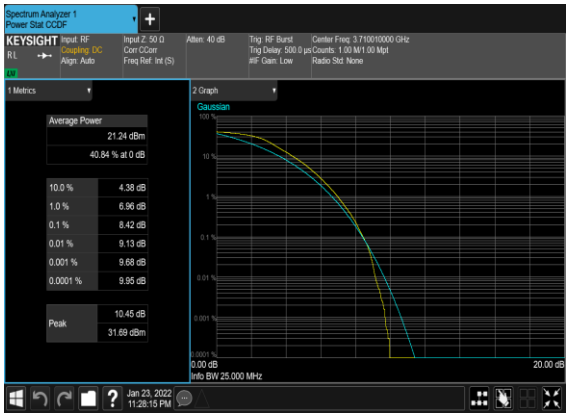
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	50@0	7.27	13	**PASS**
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@0	7.41	13	**PASS**
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	50@0	8.42	13	**PASS**
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	8.91	13	**PASS**
77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	50@0	7.22	13	**PASS**
77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	1@0	7.93	13	**PASS**
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	8.41	13	**PASS**
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	1@0	8.7	13	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	50@0	7.19	13	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	1@0	7.02	13	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	50@0	8.38	13	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@0	8.34	13	**PASS**

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

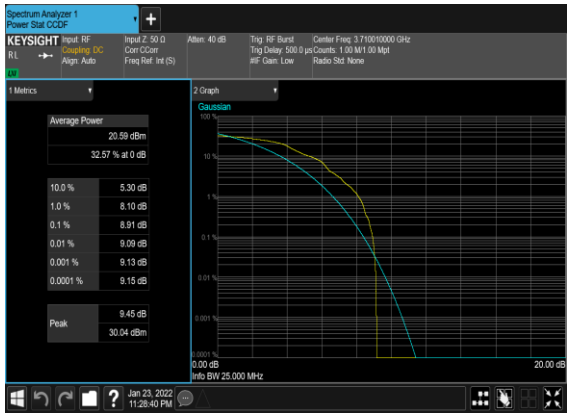
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

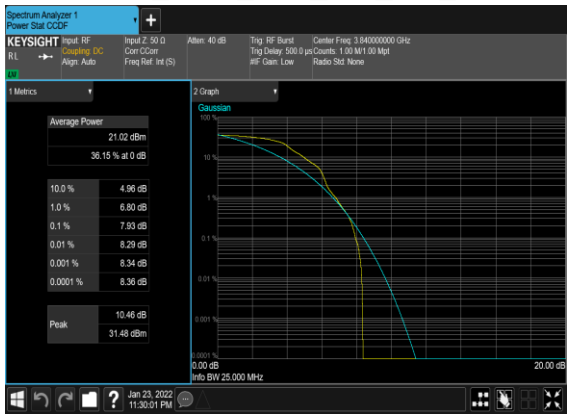


N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

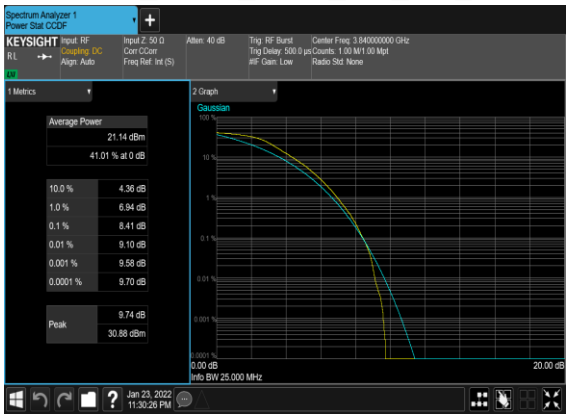


N77(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

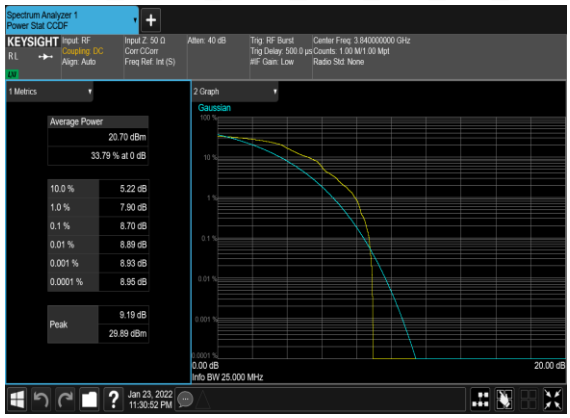
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



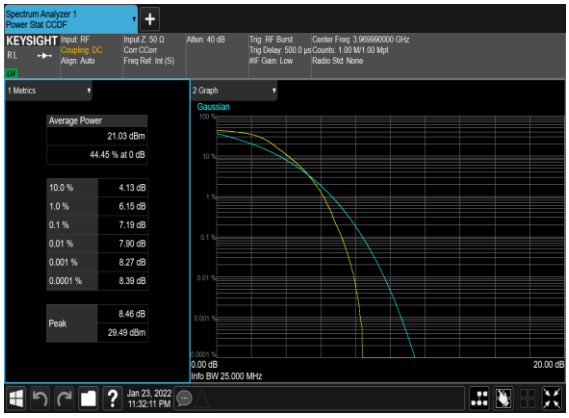
N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



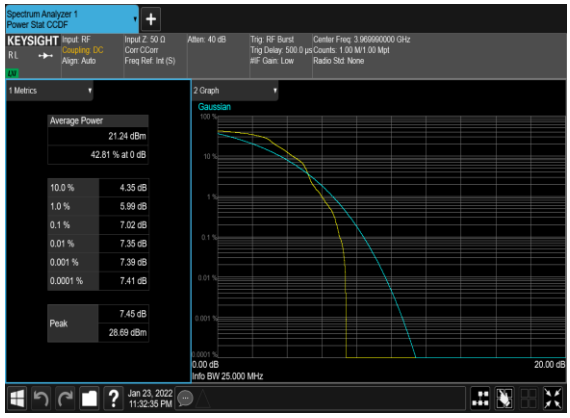
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



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

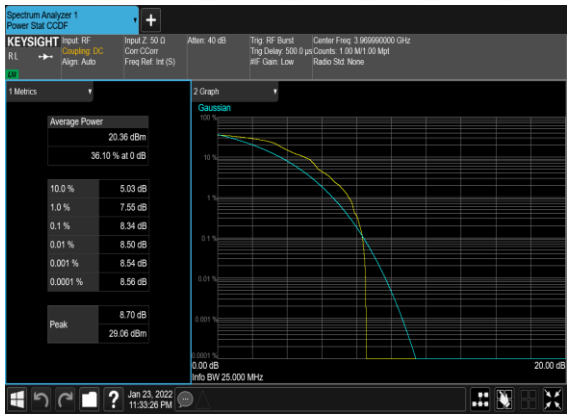


N77(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_High_CH



N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



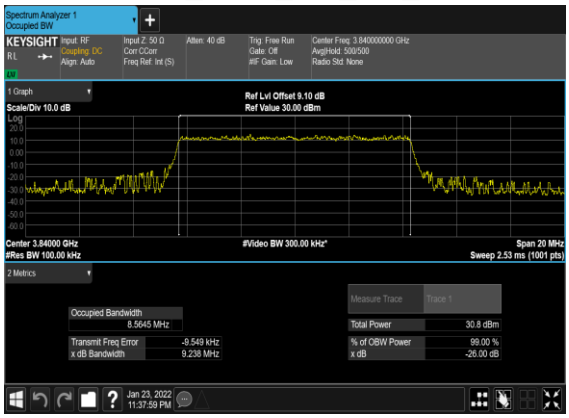
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
77	30	10	656000	3840.0	DFT-s-OFDM PI/2 BPSK	24@0	8.5645	9.238
77	30	10	656000	3840.0	DFT-s-OFDM QPSK	24@0	8.5937	9.13
77	30	10	656000	3840.0	CP-OFDM QPSK	24@0	8.5791	10.16
77	30	10	656000	3840.0	CP-OFDM 16 QAM	24@0	8.5891	9.308
77	30	10	656000	3840.0	CP-OFDM 64 QAM	24@0	8.5744	9.172
77	30	10	656000	3840.0	CP-OFDM 256 QAM	24@0	8.5831	9.144
77	30	15	656000	3840.0	DFT-s-OFDM PI/2 BPSK	36@0	12.839	13.6
77	30	15	656000	3840.0	DFT-s-OFDM QPSK	36@0	12.812	13.77
77	30	15	656000	3840.0	CP-OFDM QPSK	38@0	13.564	14.83
77	30	15	656000	3840.0	CP-OFDM 16 QAM	38@0	13.546	14.52
77	30	15	656000	3840.0	CP-OFDM 64 QAM	38@0	13.574	14.3
77	30	15	656000	3840.0	CP-OFDM 256 QAM	38@0	13.568	14.45
77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	50@0	17.835	18.99
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	17.86	18.7
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	18.195	19.09
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	18.233	19.46
77	30	20	656000	3840.0	CP-OFDM 64 QAM	51@0	18.206	19.22
77	30	20	656000	3840.0	CP-OFDM 256 QAM	51@0	18.183	19.23
77	30	25	656000	3840.0	DFT-s-OFDM PI/2 BPSK	64@0	22.785	23.85
77	30	25	656000	3840.0	DFT-s-OFDM QPSK	64@0	22.779	23.75
77	30	25	656000	3840.0	CP-OFDM QPSK	65@0	23.18	24.26
77	30	25	656000	3840.0	CP-OFDM 16 QAM	65@0	23.159	24.18
77	30	25	656000	3840.0	CP-OFDM 64 QAM	65@0	23.159	24.21
77	30	25	656000	3840.0	CP-OFDM 256 QAM	65@0	23.184	24.09

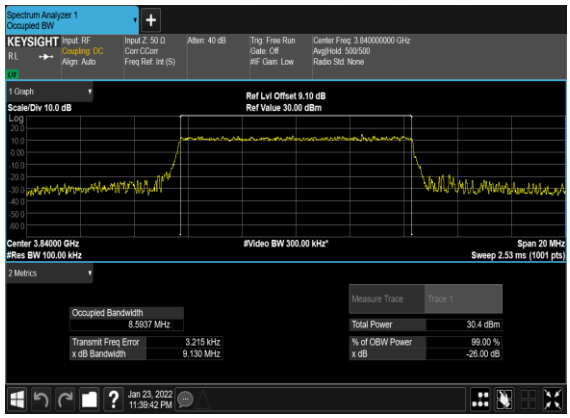
77	30	30	656000	3840.0	DFT-s-OFDM PI/2 BPSK	75@0	26.833	28.05
77	30	30	656000	3840.0	DFT-s-OFDM QPSK	75@0	26.799	28.18
77	30	30	656000	3840.0	CP-OFDM QPSK	78@0	27.821	29.19
77	30	30	656000	3840.0	CP-OFDM 16 QAM	78@0	27.817	28.95
77	30	30	656000	3840.0	CP-OFDM 64 QAM	78@0	27.786	29.16
77	30	30	656000	3840.0	CP-OFDM 256 QAM	78@0	27.806	29.03
77	30	40	656000	3840.0	DFT-s-OFDM PI/2 BPSK	100@0	35.742	38.13
77	30	40	656000	3840.0	DFT-s-OFDM QPSK	100@0	35.761	37.32
77	30	40	656000	3840.0	CP-OFDM QPSK	106@0	37.835	40.39
77	30	40	656000	3840.0	CP-OFDM 16 QAM	106@0	37.872	39.4
77	30	40	656000	3840.0	CP-OFDM 64 QAM	106@0	37.893	39.64
77	30	40	656000	3840.0	CP-OFDM 256 QAM	106@0	37.775	39.51
77	30	50	656000	3840.0	DFT-s-OFDM PI/2 BPSK	128@0	45.687	47.53
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	128@0	45.774	47.37
77	30	50	656000	3840.0	CP-OFDM QPSK	133@0	47.388	49.2
77	30	50	656000	3840.0	CP-OFDM 16 QAM	133@0	47.495	50.23
77	30	50	656000	3840.0	CP-OFDM 64 QAM	133@0	47.448	49.13
77	30	50	656000	3840.0	CP-OFDM 256 QAM	133@0	47.544	49.13
77	30	60	656000	3840.0	DFT-s-OFDM PI/2 BPSK	162@0	57.869	59.79
77	30	60	656000	3840.0	DFT-s-OFDM QPSK	162@0	57.938	59.69
77	30	60	656000	3840.0	CP-OFDM QPSK	162@0	57.749	59.77
77	30	60	656000	3840.0	CP-OFDM 16 QAM	162@0	57.739	59.73
77	30	60	656000	3840.0	CP-OFDM 64 QAM	162@0	57.824	59.75
77	30	60	656000	3840.0	CP-OFDM 256 QAM	162@0	57.751	59.76
77	30	70	656000	3840.0	DFT-s-OFDM PI/2 BPSK	180@0	64.295	67.2
77	30	70	656000	3840.0	DFT-s-OFDM	180@0	64.392	66.4

					QPSK			
77	30	70	656000	3840.0	CP-OFDM QPSK	189@0	67.498	69.61
77	30	70	656000	3840.0	CP-OFDM 16 QAM	189@0	67.468	70.38
77	30	70	656000	3840.0	CP-OFDM 64 QAM	189@0	67.457	69.63
77	30	70	656000	3840.0	CP-OFDM 256 QAM	189@0	67.375	69.57
77	30	80	656000	3840.0	DFT-s-OFDM PI/2 BPSK	216@0	77.057	79.6
77	30	80	656000	3840.0	DFT-s-OFDM QPSK	216@0	77.173	79.58
77	30	80	656000	3840.0	CP-OFDM QPSK	217@0	77.543	80.16
77	30	80	656000	3840.0	CP-OFDM 16 QAM	217@0	77.503	80.13
77	30	80	656000	3840.0	CP-OFDM 64 QAM	217@0	77.408	80.05
77	30	80	656000	3840.0	CP-OFDM 256 QAM	217@0	77.512	80.89
77	30	90	656000	3840.0	DFT-s-OFDM PI/2 BPSK	240@0	85.809	88.49
77	30	90	656000	3840.0	DFT-s-OFDM QPSK	240@0	85.701	88.45
77	30	90	656000	3840.0	CP-OFDM QPSK	245@0	87.489	90.31
77	30	90	656000	3840.0	CP-OFDM 16 QAM	245@0	87.458	90.33
77	30	90	656000	3840.0	CP-OFDM 64 QAM	245@0	87.502	90.36
77	30	90	656000	3840.0	CP-OFDM 256 QAM	245@0	87.478	90.33
77	30	100	656000	3840.0	DFT-s-OFDM PI/2 BPSK	270@0	96.425	99.58
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	270@0	96.533	99.56
77	30	100	656000	3840.0	CP-OFDM QPSK	273@0	97.545	100.6
77	30	100	656000	3840.0	CP-OFDM 16 QAM	273@0	97.526	100.6
77	30	100	656000	3840.0	CP-OFDM 64 QAM	273@0	97.483	100.6
77	30	100	656000	3840.0	CP-OFDM 256 QAM	273@0	97.525	100.6

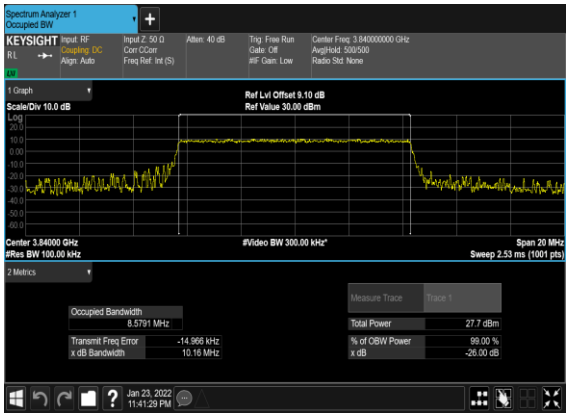
N77(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



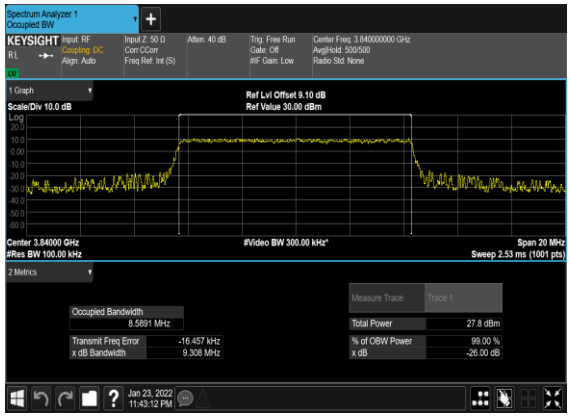
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



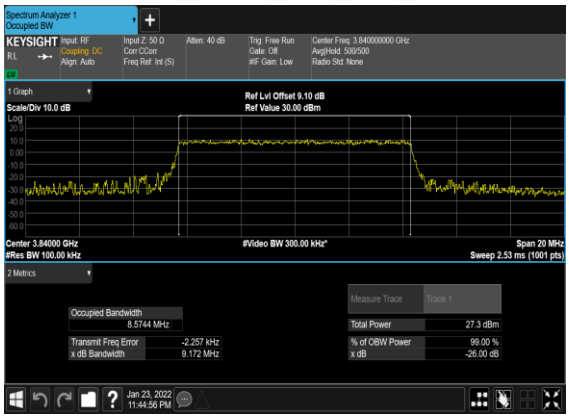
N77(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



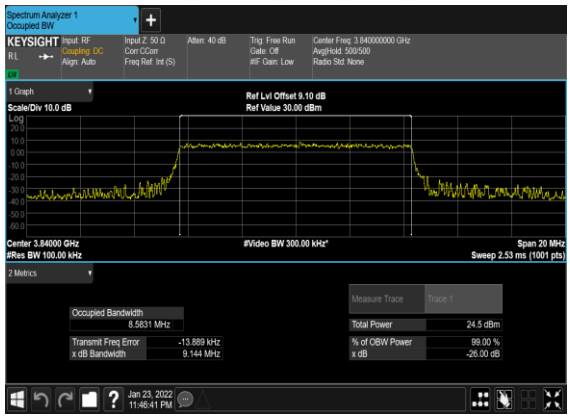
N77(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



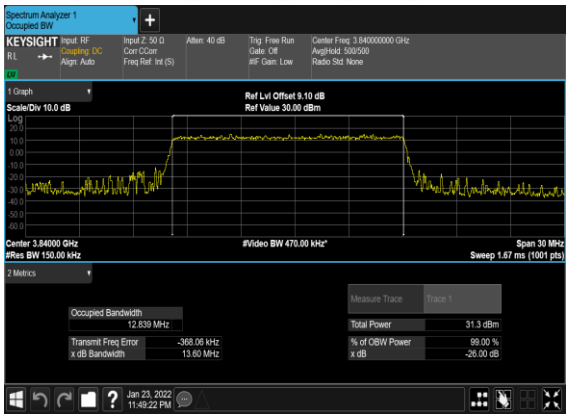
N77(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



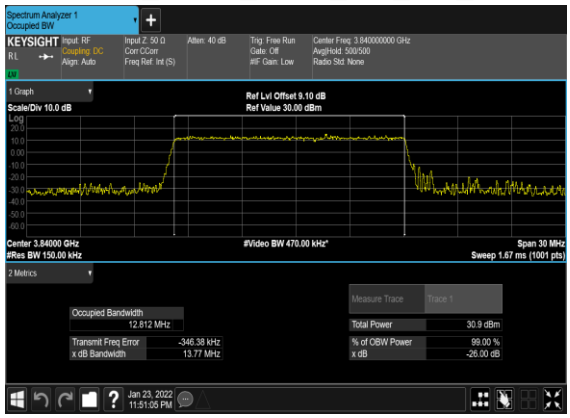
N77(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



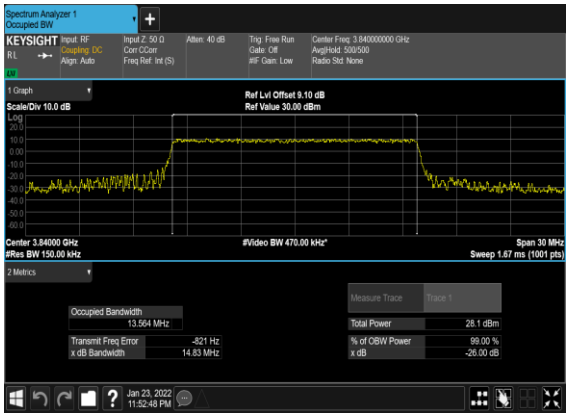
N77(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



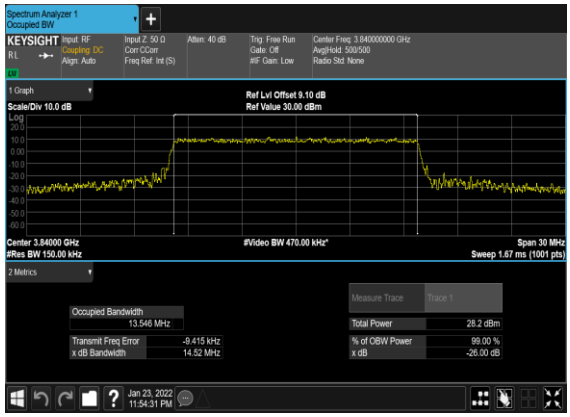
N77(15M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



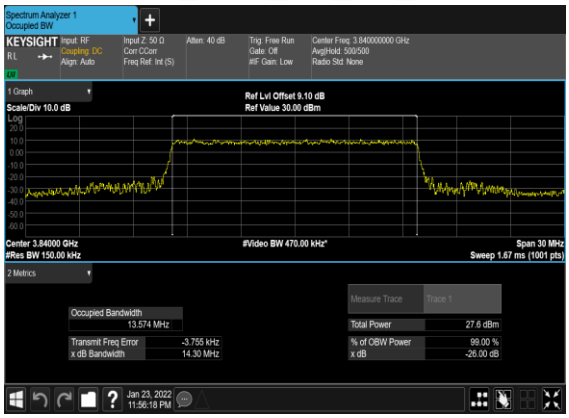
N77(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



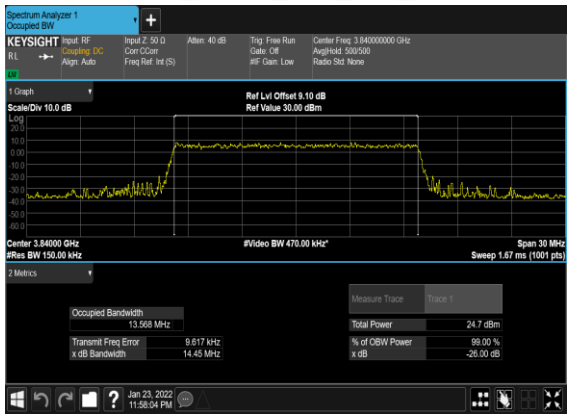
N77(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



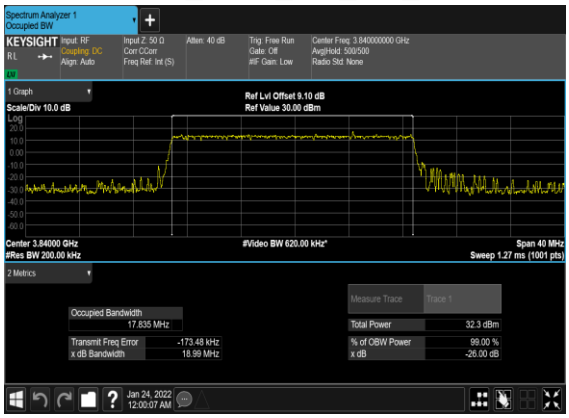
N77(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



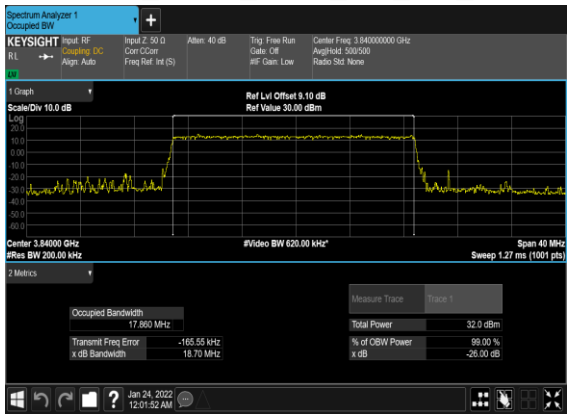
N77(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



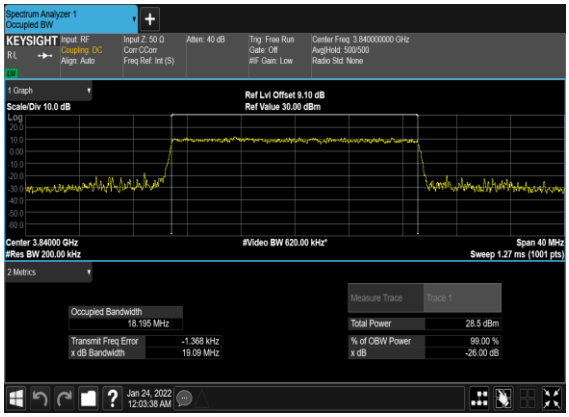
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



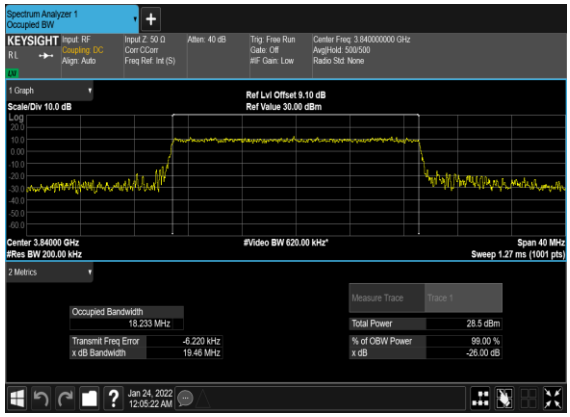
N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



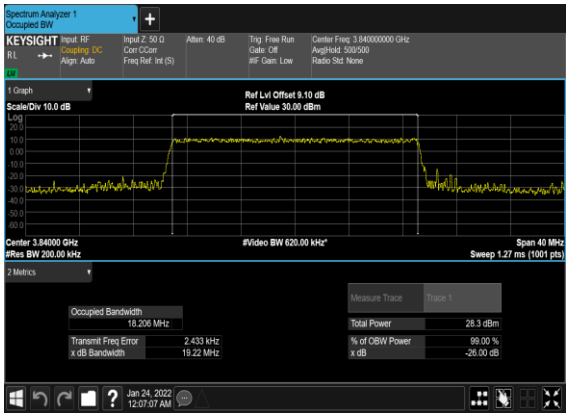
N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



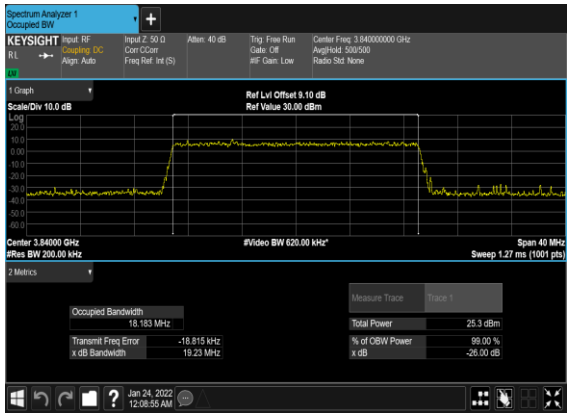
N77(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



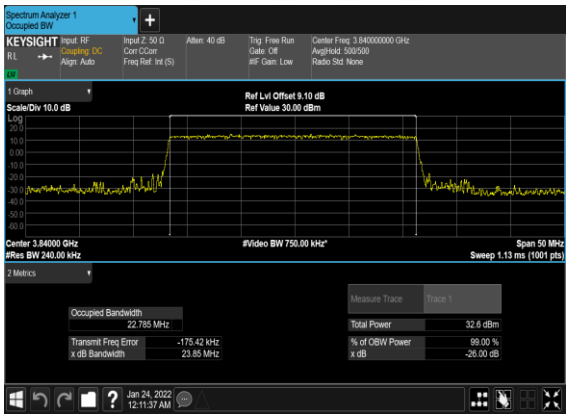
N77(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



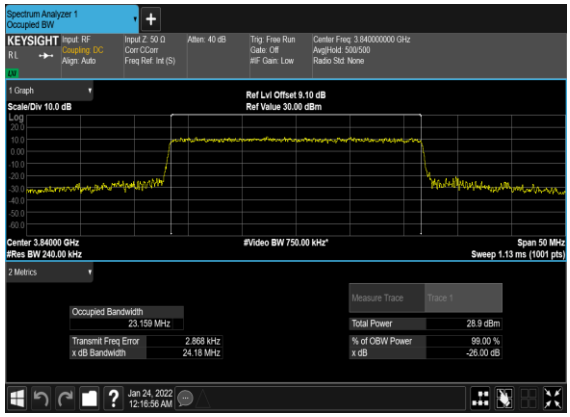
N77(25M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



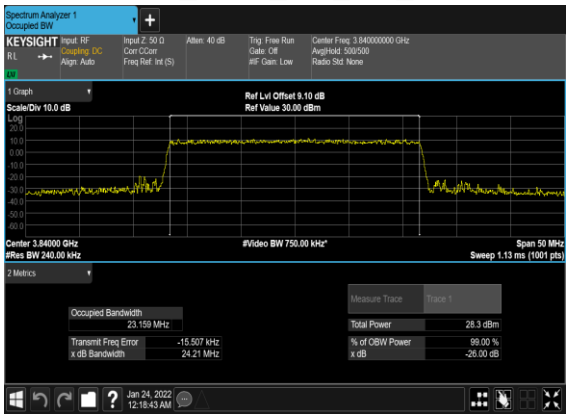
N77(25M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

N77(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

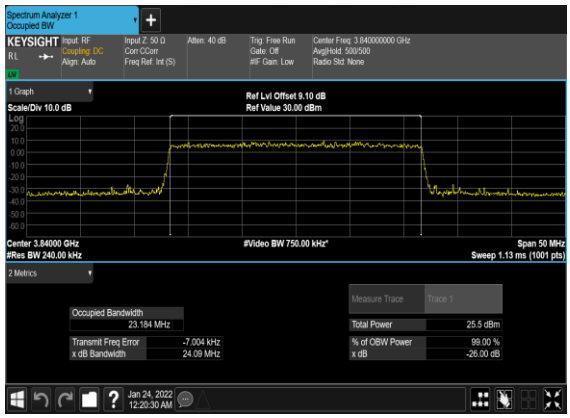
N77(25M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



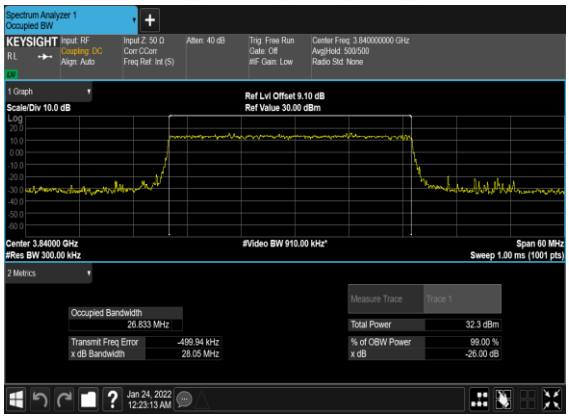
N77(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



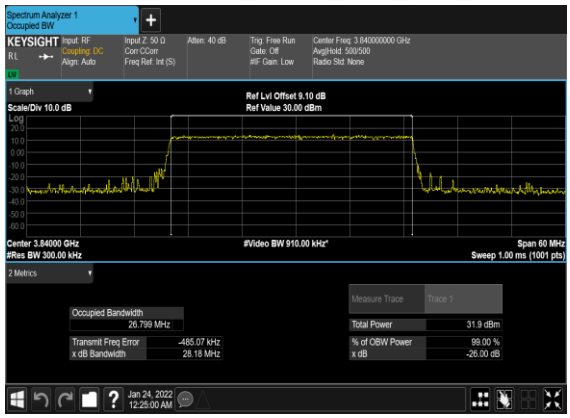
N77(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



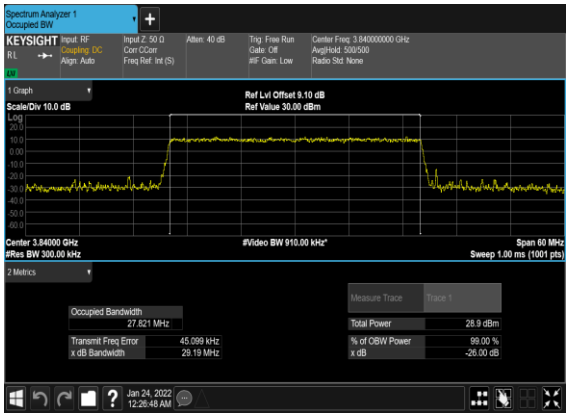
N77(30M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



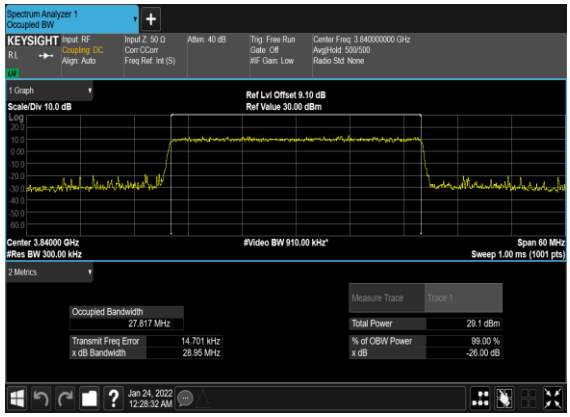
N77(30M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



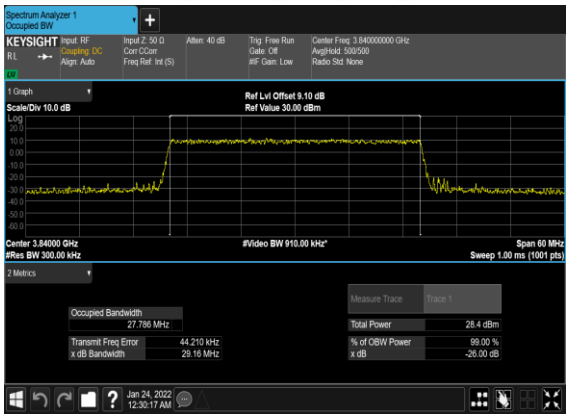
N77(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



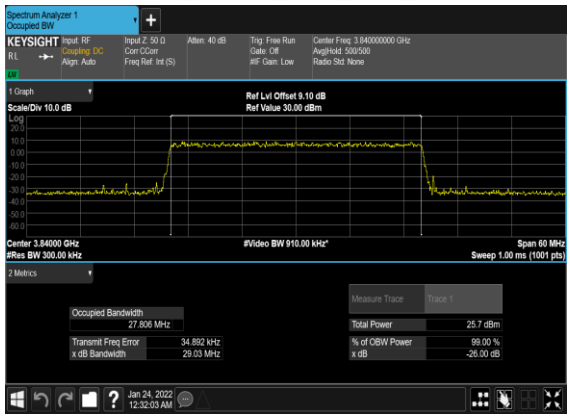
N77(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



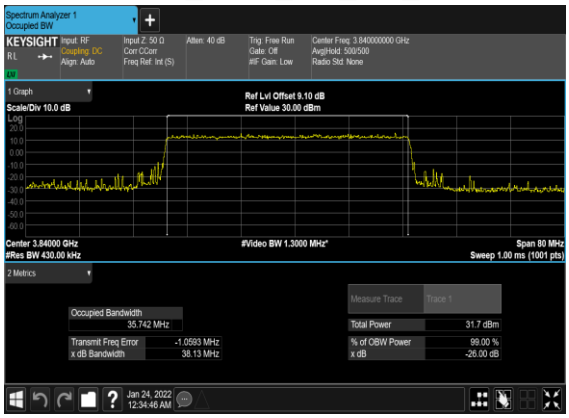
N77(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



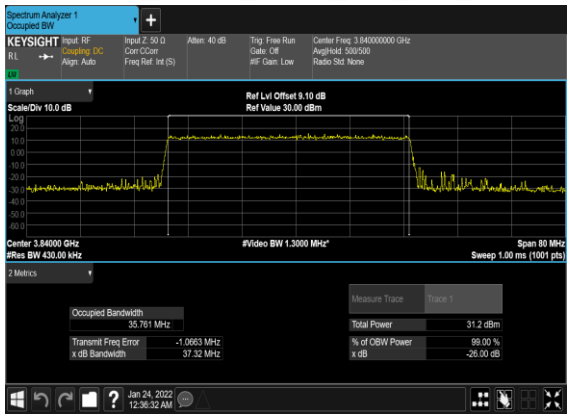
N77(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



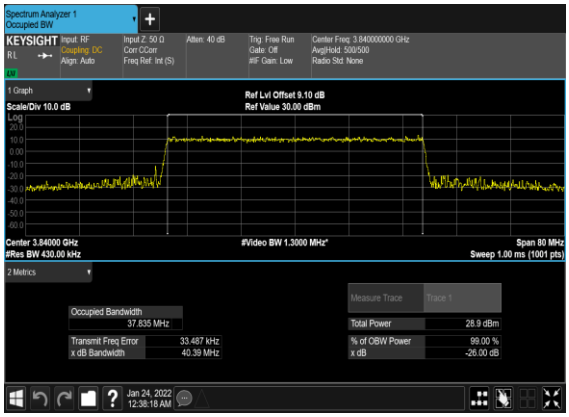
N77(40M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



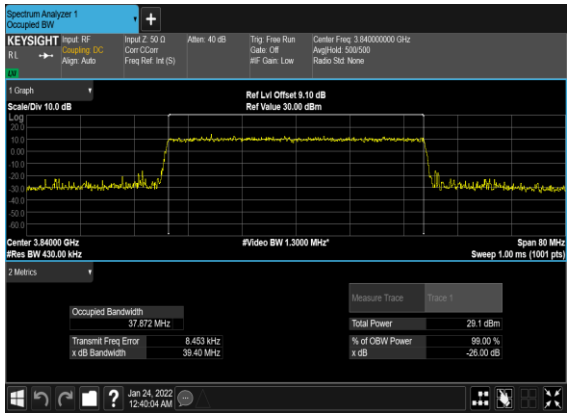
N77(40M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



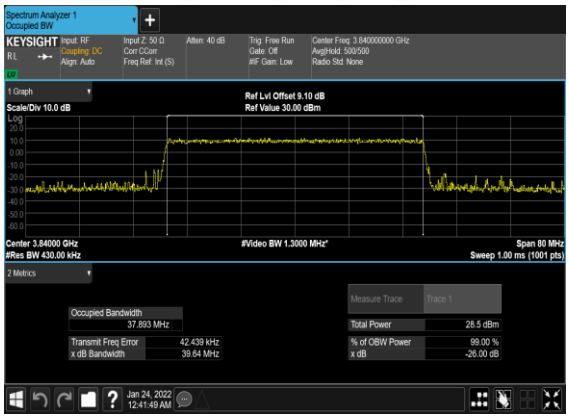
N77(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



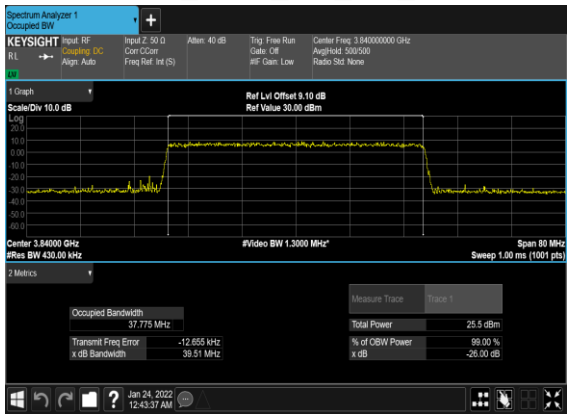
N77(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



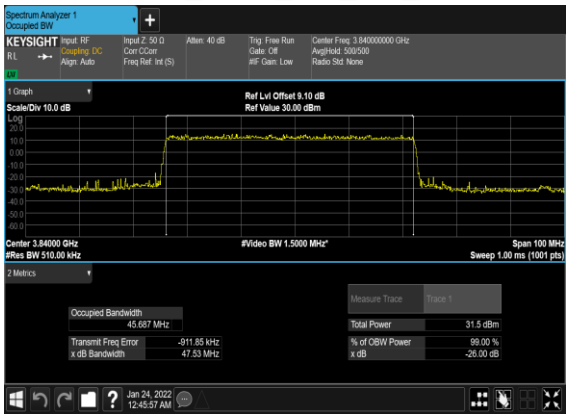
N77(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



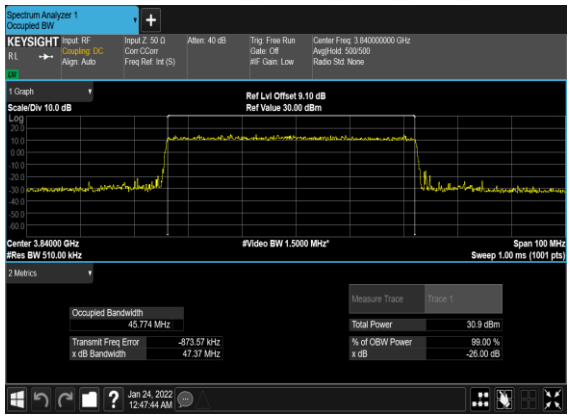
N77(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



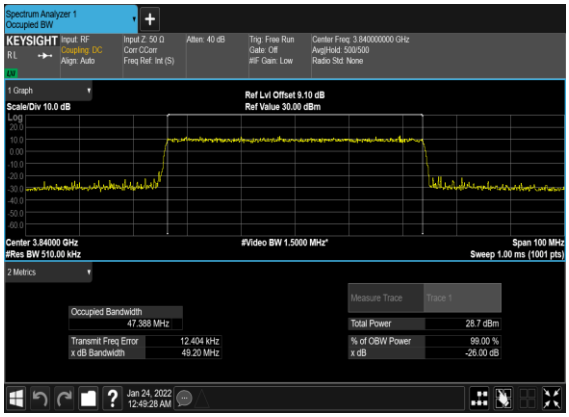
N77(50M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



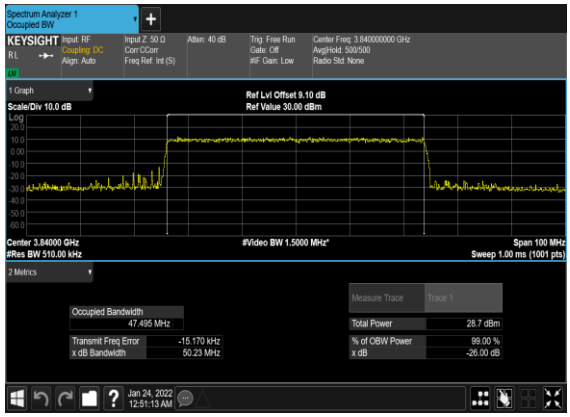
N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



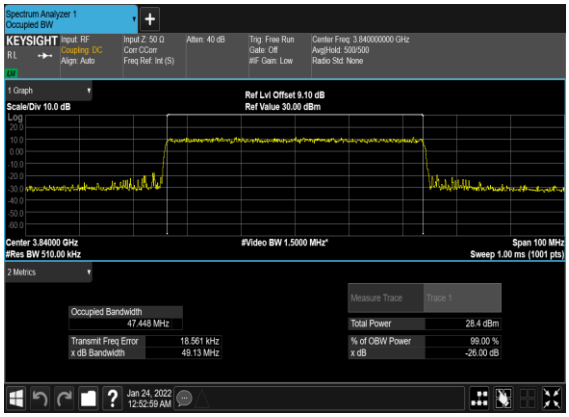
N77(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



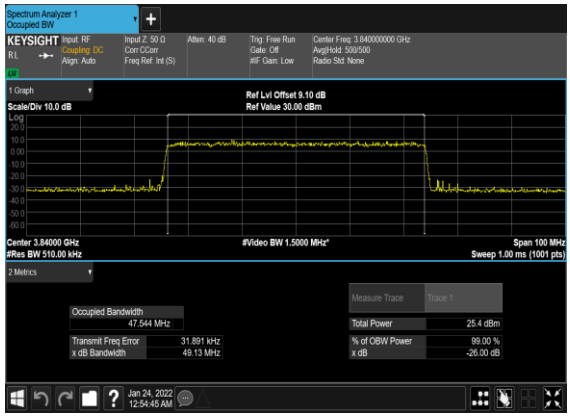
N77(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



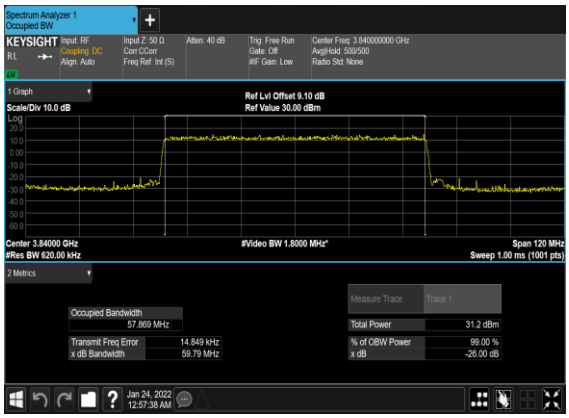
N77(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



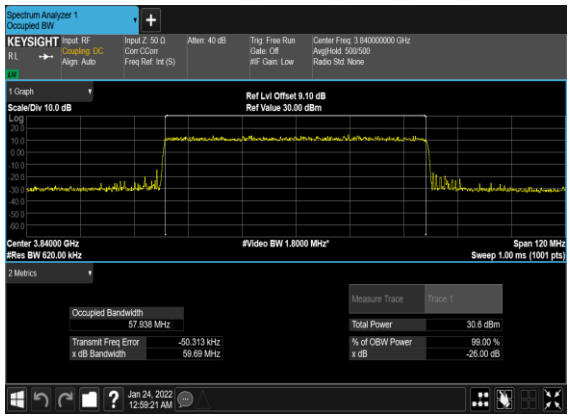
N77(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



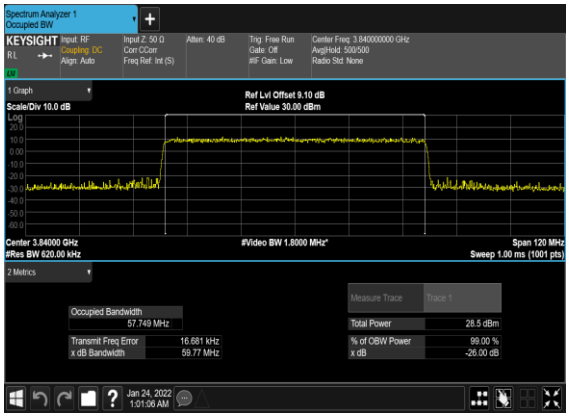
N77(60M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



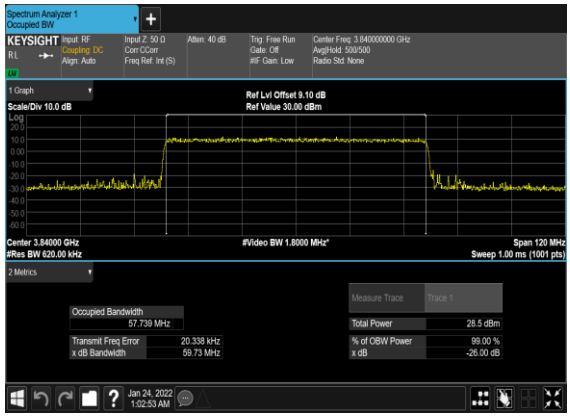
N77(60M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



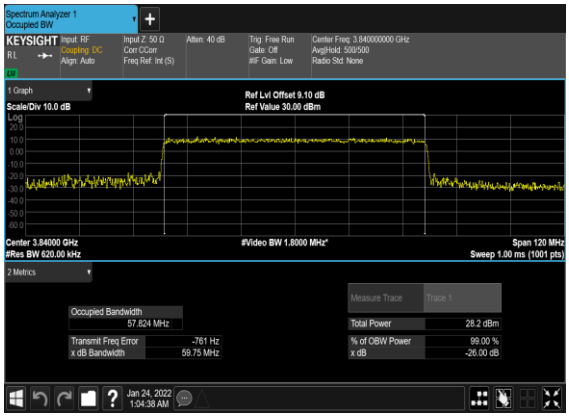
N77(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



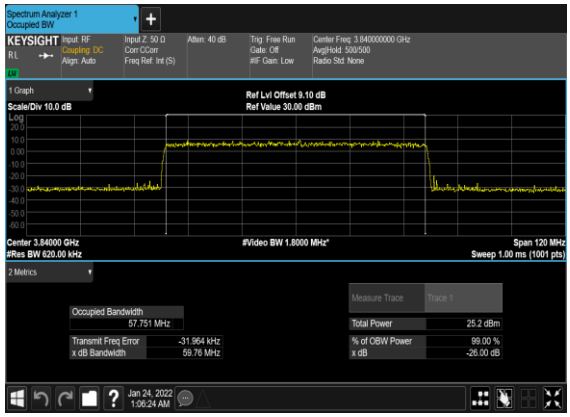
N77(60M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



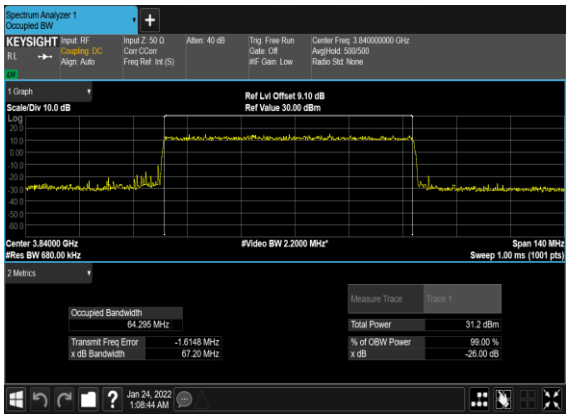
N77(60M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



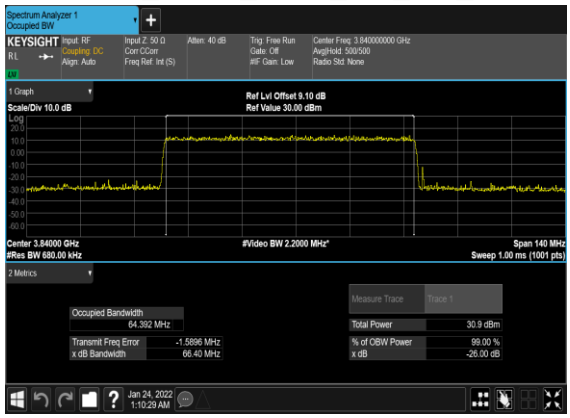
N77(60M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



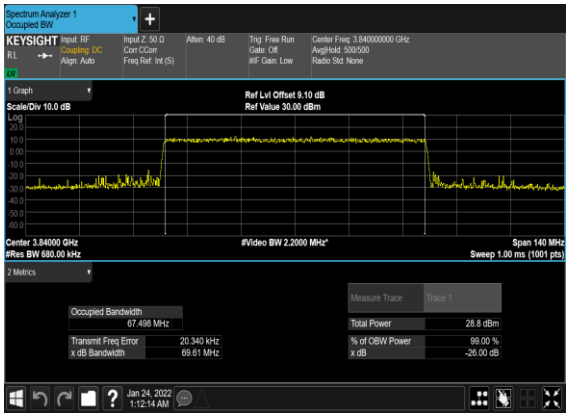
N77(70M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



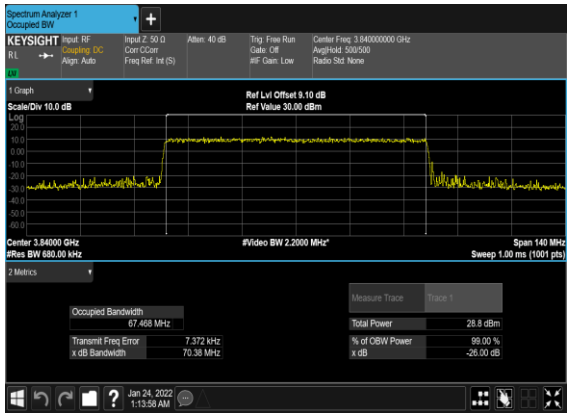
N77(70M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



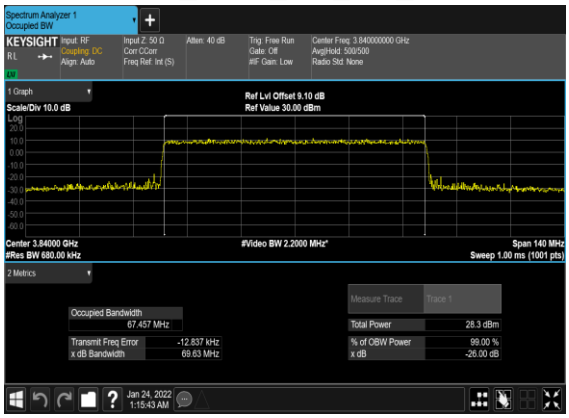
N77(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



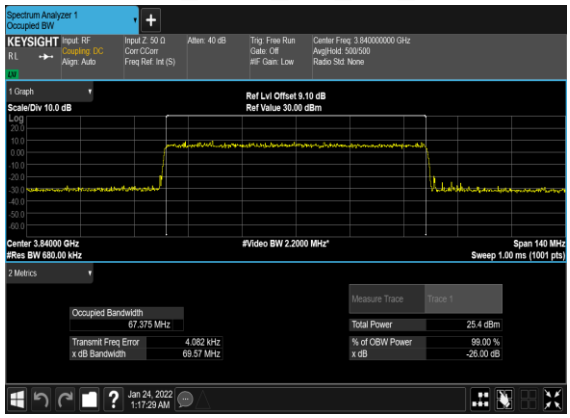
N77(70M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



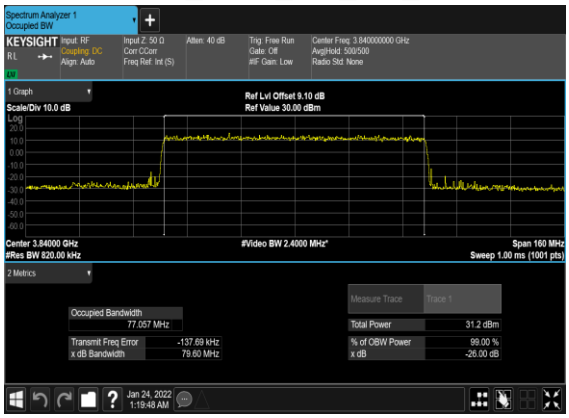
N77(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



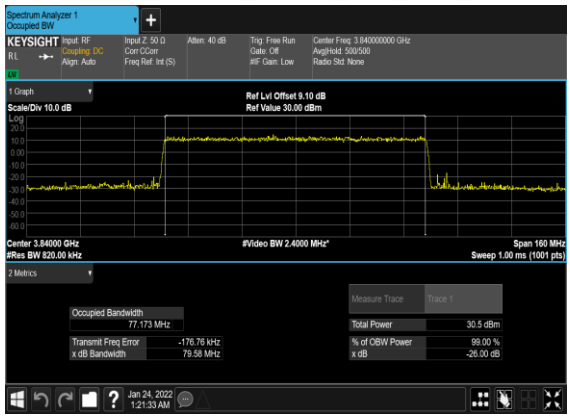
N77(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



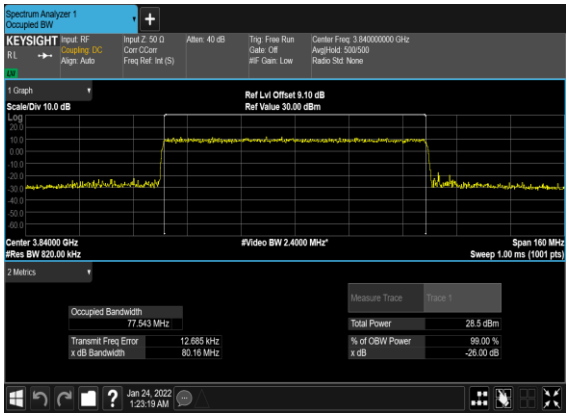
N77(80M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



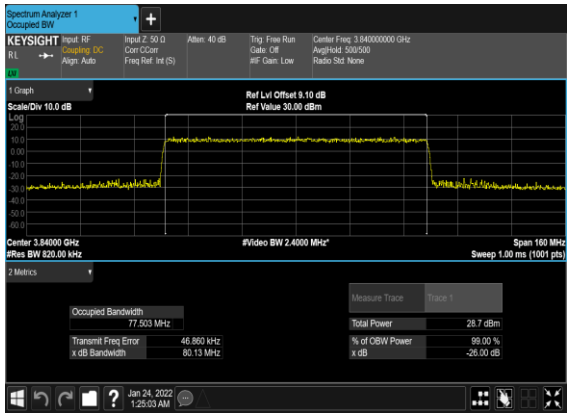
N77(80M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



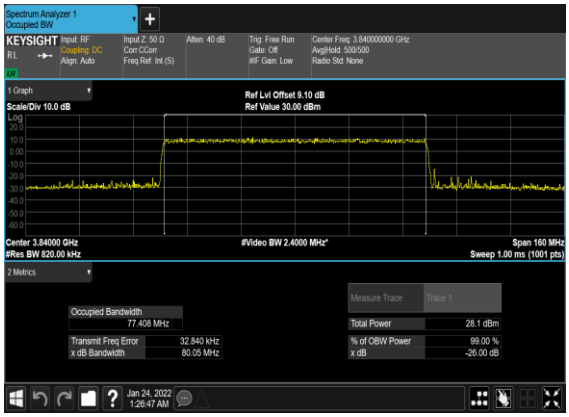
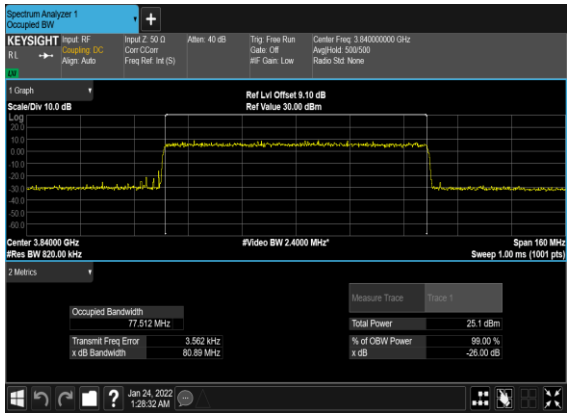
N77(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N77(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH