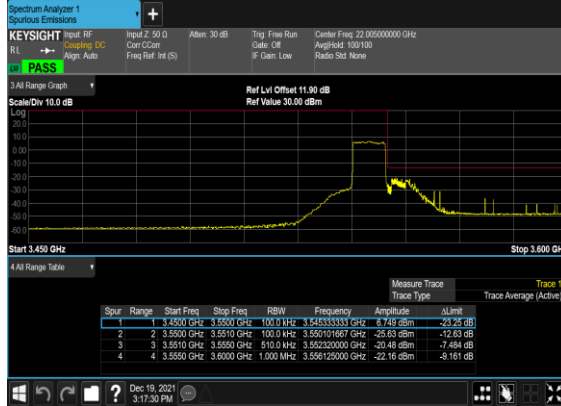
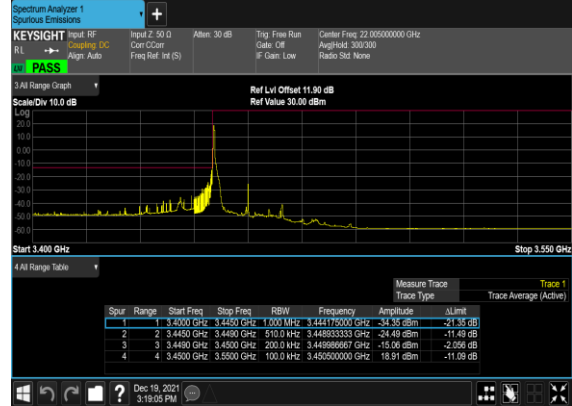


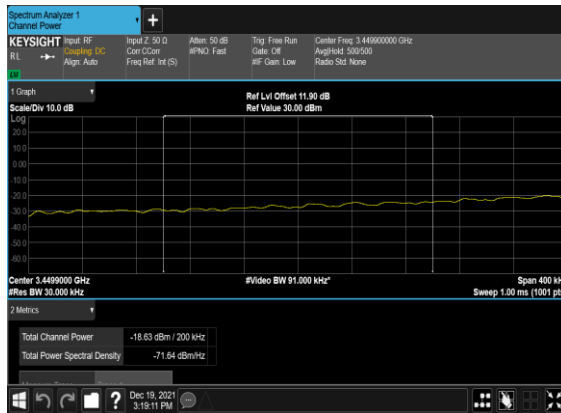
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



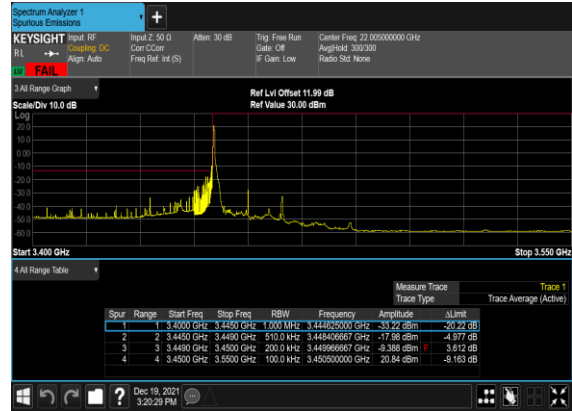
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



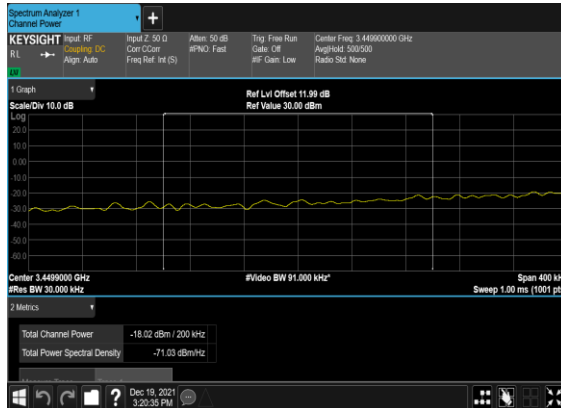
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_chp_P ASS



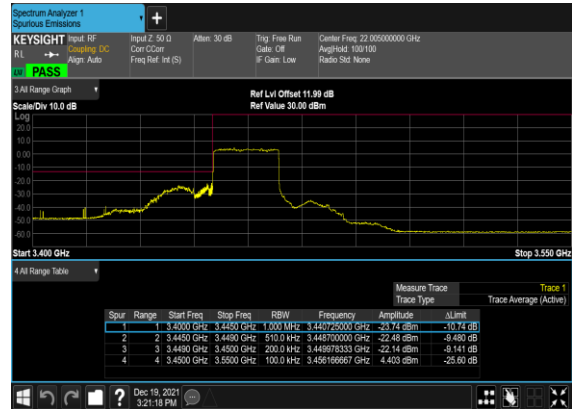
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_chp_P ASS



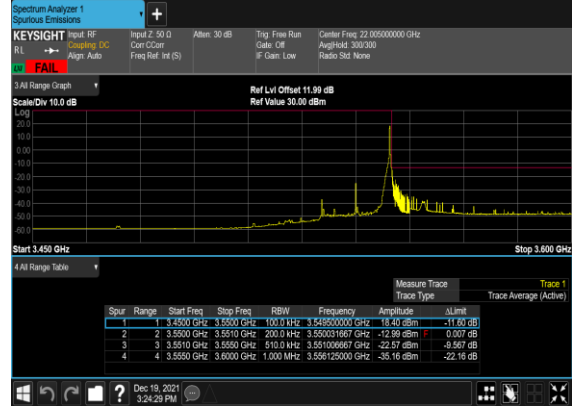
N77(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



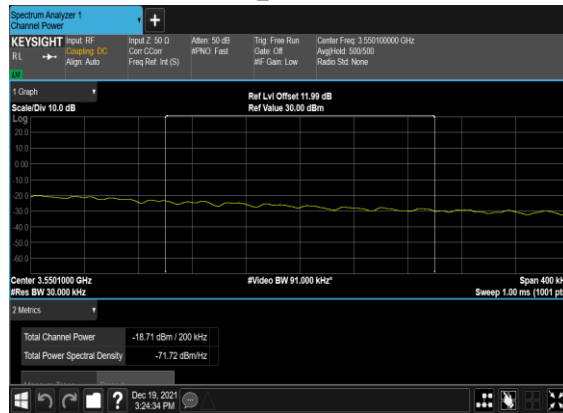
N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



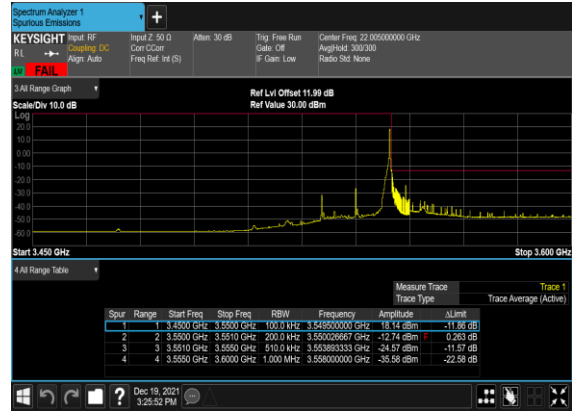
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



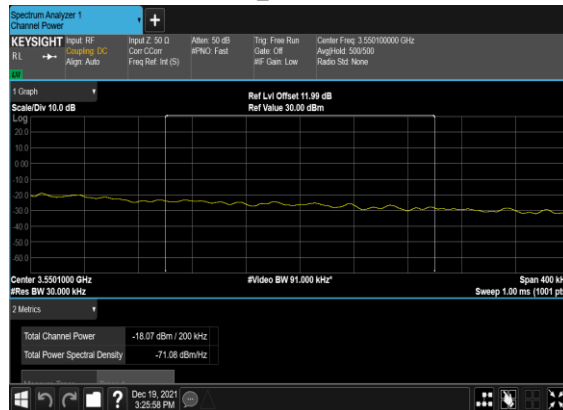
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_chp_PASS



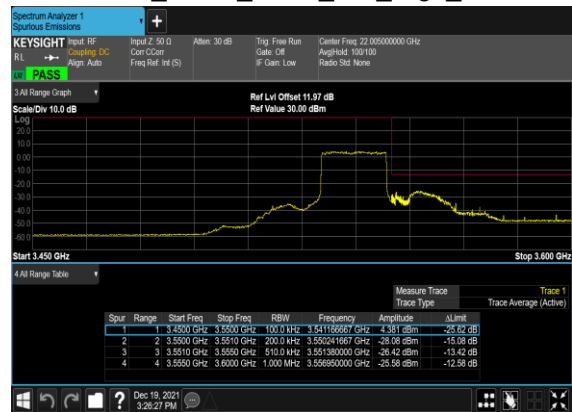
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_chp_PASS



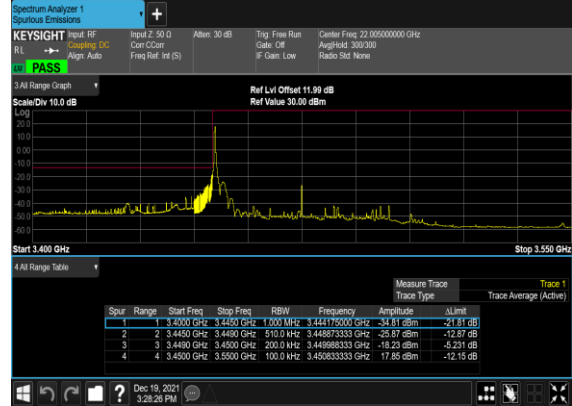
N77(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



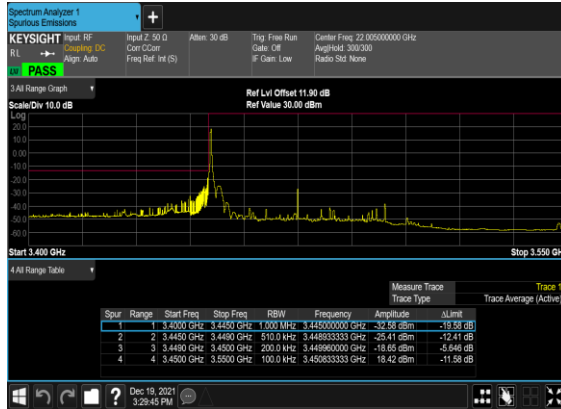
N77(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



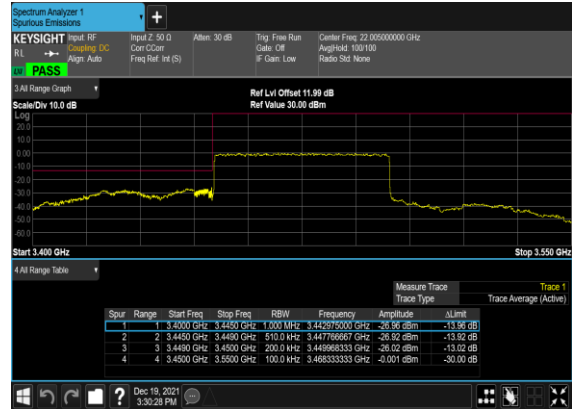
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



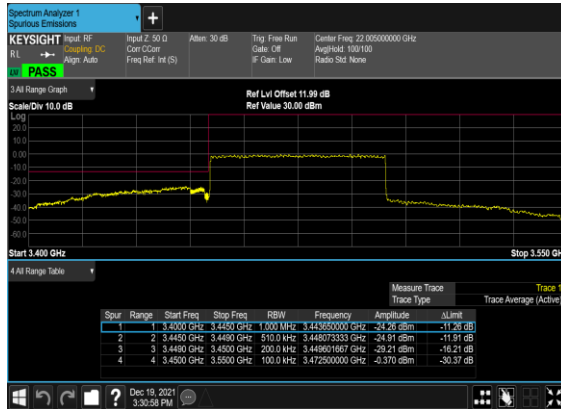
N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



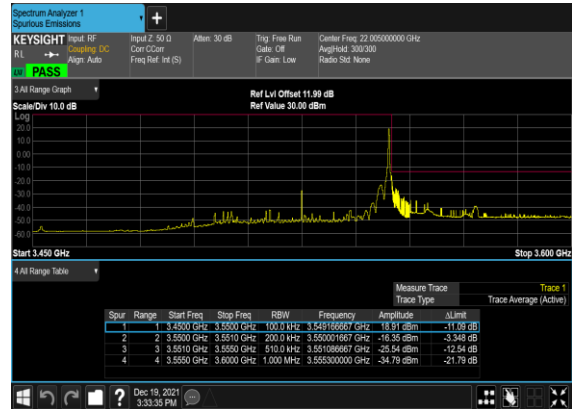
N77(50M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



N77(50M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



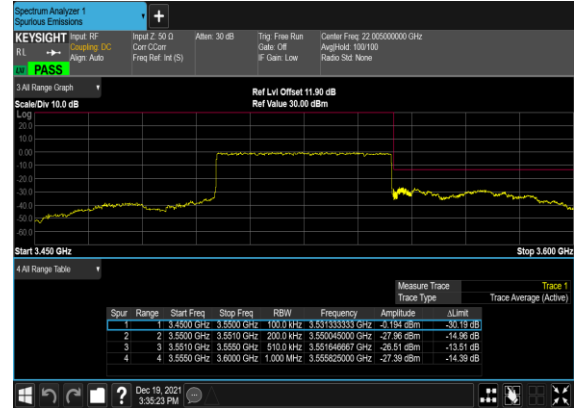
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



N77(50M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_High_CH



N77(50M)_DFT-s- OFDM_BPSK_Outer_Full_High_CH



N77(50M)_DFT-s- OFDM_QPSK_Outer_Full_High_CH



FR1 N77(ANT5) – SCS 30kHz

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=6.0dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	12@6	25.57	31.57	1.4355
77	30	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@1	25.38	31.38	1.3740
77	30	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@22	26.1	32.1	1.6218
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	12@6	26.2	32.2	1.6596
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	26.13	32.13	1.6331
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@22	26	32	1.5849
77	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	12@6	25.19	31.19	1.3152
77	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	25.41	31.41	1.3836
77	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@22	25.3	31.3	1.3490
77	30	10	630334	3455.01	DFT-s-OFDM 64 QAM	12@6	23.71	29.71	0.9354
77	30	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@1	23.61	29.61	0.9141
77	30	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@22	23.6	29.6	0.9120
77	30	10	630334	3455.01	DFT-s-OFDM 256 QAM	12@6	21.81	27.81	0.6039
77	30	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@1	21.76	27.76	0.5970
77	30	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@22	21.79	27.79	0.6012
77	30	10	630334	3455.01	CP-OFDM QPSK	12@6	24.72	30.72	1.1803
77	30	10	630334	3455.01	CP-OFDM QPSK	1@1	24.61	30.61	1.1508
77	30	10	630334	3455.01	CP-OFDM QPSK	1@22	24.62	30.62	1.1535
77	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	12@6	26.11	32.11	1.6255
77	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.06	32.06	1.6069
77	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@22	26.05	32.05	1.6032
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	12@6	26.14	32.14	1.6368
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.99	31.99	1.5812
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@22	25.99	31.99	1.5812
77	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	12@6	25.12	31.12	1.2942
77	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.32	31.32	1.3552
77	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@22	25.3	31.3	1.3490
77	30	10	633334	3500.01	DFT-s-OFDM	12@6	23.64	29.64	0.9204

					64 QAM				
77	30	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.62	29.62	0.9162
77	30	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@22	23.6	29.6	0.9120
77	30	10	633334	3500.01	DFT-s-OFDM 256 QAM	12@6	21.72	27.72	0.5916
77	30	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.75	27.75	0.5957
77	30	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@22	21.7	27.7	0.5888
77	30	10	633334	3500.01	CP-OFDM QPSK	12@6	24.71	30.71	1.1776
77	30	10	633334	3500.01	CP-OFDM QPSK	1@1	24.53	30.53	1.1298
77	30	10	633334	3500.01	CP-OFDM QPSK	1@22	24.61	30.61	1.1508
77	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	12@6	26.31	32.31	1.7022
77	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	1@1	26.24	32.24	1.6749
77	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	1@22	26.26	32.26	1.6827
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	12@6	26.36	32.36	1.7219
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	26.19	32.19	1.6558
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@22	26.17	32.17	1.6482
77	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	12@6	25.37	31.37	1.3709
77	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	25.45	31.45	1.3964
77	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@22	25.54	31.54	1.4256
77	30	10	636332	3544.98	DFT-s-OFDM 64 QAM	12@6	23.85	29.85	0.9661
77	30	10	636332	3544.98	DFT-s-OFDM 64 QAM	1@1	23.79	29.79	0.9528
77	30	10	636332	3544.98	DFT-s-OFDM 64 QAM	1@22	23.75	29.75	0.9441
77	30	10	636332	3544.98	DFT-s-OFDM 256 QAM	12@6	21.95	27.95	0.6237
77	30	10	636332	3544.98	DFT-s-OFDM 256 QAM	1@1	21.9	27.9	0.6166
77	30	10	636332	3544.98	DFT-s-OFDM 256 QAM	1@22	21.85	27.85	0.6095
77	30	10	636332	3544.98	CP-OFDM QPSK	12@6	24.82	30.82	1.2078
77	30	10	636332	3544.98	CP-OFDM QPSK	1@1	24.73	30.73	1.1830
77	30	10	636332	3544.98	CP-OFDM QPSK	1@22	24.76	30.76	1.1912
77	30	15	630500	3544.98	DFT-s-OFDM PI/2 BPSK	18@9	25.83	31.83	1.5241
77	30	15	630500	3544.98	DFT-s-OFDM PI/2 BPSK	1@1	26.28	32.28	1.6904
77	30	15	630500	3544.98	DFT-s-OFDM PI/2 BPSK	1@36	26.21	32.21	1.6634
77	30	15	630500	3544.98	DFT-s-OFDM QPSK	18@9	26.35	32.35	1.7179
77	30	15	630500	3544.98	DFT-s-OFDM QPSK	1@1	26.19	32.19	1.6558
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@36	26.02	32.02	1.5922
77	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	18@9	25.23	31.23	1.3274

77	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	25.37	31.37	1.3709
77	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@36	25.38	31.38	1.3740
77	30	15	630500	3457.5	DFT-s-OFDM 64 QAM	18@9	23.69	29.69	0.9311
77	30	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@1	23.64	29.64	0.9204
77	30	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@36	23.6	29.6	0.9120
77	30	15	630500	3457.5	DFT-s-OFDM 256 QAM	18@9	21.56	27.56	0.5702
77	30	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@1	21.57	27.57	0.5715
77	30	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@36	21.66	27.66	0.5834
77	30	15	630500	3457.5	CP-OFDM QPSK	19@9	24.67	30.67	1.1668
77	30	15	630500	3457.5	CP-OFDM QPSK	1@1	24.64	30.64	1.1588
77	30	15	630500	3457.5	CP-OFDM QPSK	1@36	24.67	30.67	1.1668
77	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	18@9	26.13	32.13	1.6331
77	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.05	32.05	1.6032
77	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@36	26.04	32.04	1.5996
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	18@9	26.14	32.14	1.6368
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.09	32.09	1.6181
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@36	26.05	32.05	1.6032
77	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	18@9	25.14	31.14	1.3002
77	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.28	31.28	1.3428
77	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@36	25.15	31.15	1.3032
77	30	15	633334	3500.01	DFT-s-OFDM 64 QAM	18@9	23.6	29.6	0.9120
77	30	15	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.56	29.56	0.9036
77	30	15	633334	3500.01	DFT-s-OFDM 64 QAM	1@36	23.57	29.57	0.9057
77	30	15	633334	3500.01	DFT-s-OFDM 256 QAM	18@9	21.72	27.72	0.5916
77	30	15	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.71	27.71	0.5902
77	30	15	633334	3500.01	DFT-s-OFDM 256 QAM	1@36	21.69	27.69	0.5875
77	30	15	633334	3500.01	CP-OFDM QPSK	19@9	24.58	30.58	1.1429
77	30	15	633334	3500.01	CP-OFDM QPSK	1@1	24.46	30.46	1.1117
77	30	15	633334	3500.01	CP-OFDM QPSK	1@36	24.38	30.38	1.0914
77	30	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	18@9	26.31	32.31	1.7022
77	30	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@1	26.2	32.2	1.6596
77	30	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@36	26.22	32.22	1.6672
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	18@9	26.36	32.36	1.7219
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	26.15	32.15	1.6406

77	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@36	26.09	32.09	1.6181
77	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	18@9	25.34	31.34	1.3614
77	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	25.4	31.4	1.3804
77	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@36	25.34	31.34	1.3614
77	30	15	636166	3542.49	DFT-s-OFDM 64 QAM	18@9	23.82	29.82	0.9594
77	30	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@1	23.74	29.74	0.9419
77	30	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@36	23.72	29.72	0.9376
77	30	15	636166	3542.49	DFT-s-OFDM 256 QAM	18@9	21.89	27.89	0.6152
77	30	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@1	21.81	27.81	0.6039
77	30	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@36	21.86	27.86	0.6109
77	30	15	636166	3542.49	CP-OFDM QPSK	19@9	24.76	30.76	1.1912
77	30	15	636166	3542.49	CP-OFDM QPSK	1@1	24.65	30.65	1.1614
77	30	15	636166	3542.49	CP-OFDM QPSK	1@36	24.59	30.59	1.1455
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	25@12	26.2	32.2	1.6596
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	26.09	32.09	1.6181
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@49	26.04	32.04	1.5996
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	25@12	26.24	32.24	1.6749
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	26.07	32.07	1.6106
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@49	26.11	32.11	1.6255
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	25@12	25.2	31.2	1.3183
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	25.21	31.21	1.3213
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@49	25.22	31.22	1.3243
77	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	25@12	23.69	29.69	0.9311
77	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@1	23.64	29.64	0.9204
77	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@49	23.61	29.61	0.9141
77	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	25@12	21.84	27.84	0.6081
77	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@1	21.52	27.52	0.5649
77	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@49	21.51	27.51	0.5636
77	30	20	630668	3460.02	CP-OFDM QPSK	25@12	24.64	30.64	1.1588
77	30	20	630668	3460.02	CP-OFDM QPSK	1@1	24.34	30.34	1.0814
77	30	20	630668	3460.02	CP-OFDM QPSK	1@49	24.35	30.35	1.0839
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	26.14	32.14	1.6368
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.97	31.97	1.5740
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@49	25.87	31.87	1.5382

77	30	20	633334	3500.01	DFT-s-OFDM QPSK	25@12	26.14	32.14	1.6368
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.96	31.96	1.5704
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@49	25.87	31.87	1.5382
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	25.08	31.08	1.2823
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.34	31.34	1.3614
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@49	25.26	31.26	1.3366
77	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	23.69	29.69	0.9311
77	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.56	29.56	0.9036
77	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@49	23.48	29.48	0.8872
77	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	21.76	27.76	0.5970
77	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.35	27.35	0.5433
77	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@49	21.35	27.35	0.5433
77	30	20	633334	3500.01	CP-OFDM QPSK	25@12	24.53	30.53	1.1298
77	30	20	633334	3500.01	CP-OFDM QPSK	1@1	24.52	30.52	1.1272
77	30	20	633334	3500.01	CP-OFDM QPSK	1@49	24.47	30.47	1.1143
77	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	25@12	26.28	32.28	1.6904
77	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	26.06	32.06	1.6069
77	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@49	26.06	32.06	1.6069
77	30	20	636000	3540	DFT-s-OFDM QPSK	25@12	26.31	32.31	1.7022
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	26	32	1.5849
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@49	26	32	1.5849
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	25@12	25.25	31.25	1.3335
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	25.36	31.36	1.3677
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@49	25.34	31.34	1.3614
77	30	20	636000	3540	DFT-s-OFDM 64 QAM	25@12	23.76	29.76	0.9462
77	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@1	23.55	29.55	0.9016
77	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@49	23.57	29.57	0.9057
77	30	20	636000	3540	DFT-s-OFDM 256 QAM	25@12	21.87	27.87	0.6124
77	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@1	21.72	27.72	0.5916
77	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@49	21.75	27.75	0.5957
77	30	20	636000	3540	CP-OFDM QPSK	25@12	24.77	30.77	1.1940
77	30	20	636000	3540	CP-OFDM QPSK	1@1	24.45	30.45	1.1092
77	30	20	636000	3540	CP-OFDM QPSK	1@49	24.49	30.49	1.1194
77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	50@25	26.14	32.14	1.6368

77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	25.67	31.67	1.4689
77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@104	25.68	31.68	1.4723
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	50@25	26.16	32.16	1.6444
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	25.65	31.65	1.4622
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@104	25.61	31.61	1.4488
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	50@25	25.14	31.14	1.3002
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	24.83	30.83	1.2106
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@104	24.76	30.76	1.1912
77	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	50@25	23.62	29.62	0.9162
77	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	23.17	29.17	0.8260
77	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@104	23.15	29.15	0.8222
77	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	50@25	21.7	27.7	0.5888
77	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	21.31	27.31	0.5383
77	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@104	21.33	27.33	0.5408
77	30	40	631334	3470.01	CP-OFDM QPSK	53@26	24.62	30.62	1.1535
77	30	40	631334	3470.01	CP-OFDM QPSK	1@1	24.23	30.23	1.0544
77	30	40	631334	3470.01	CP-OFDM QPSK	1@104	24.19	30.19	1.0447
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	26.06	32.06	1.6069
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.67	31.67	1.4689
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	25.54	31.54	1.4256
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	50@25	26.06	32.06	1.6069
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.71	31.71	1.4825
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@104	25.55	31.55	1.4289
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	25.05	31.05	1.2735
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.86	30.86	1.2190
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	24.69	30.69	1.1722
77	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	23.52	29.52	0.8954
77	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.2	29.2	0.8318
77	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	23.02	29.02	0.7980
77	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	21.58	27.58	0.5728
77	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.25	27.25	0.5309
77	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	21.09	27.09	0.5117
77	30	40	633334	3500.01	CP-OFDM QPSK	53@26	24.52	30.52	1.1272
77	30	40	633334	3500.01	CP-OFDM QPSK	1@1	24.1	30.1	1.0233

77	30	40	633334	3500.01	CP-OFDM QPSK	1@104	23.9	29.9	0.9772
77	30	40	635332	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	26.06	32.06	1.6069
77	30	40	635332	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.69	31.69	1.4757
77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@104	25.75	31.75	1.4962
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	50@25	26.19	32.19	1.6558
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	25.66	31.66	1.4655
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@104	25.66	31.66	1.4655
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	50@25	25.16	31.16	1.3062
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	24.87	30.87	1.2218
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@104	24.81	30.81	1.2050
77	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	50@25	23.62	29.62	0.9162
77	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@1	23.2	29.2	0.8318
77	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@104	23.21	29.21	0.8337
77	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	50@25	21.71	27.71	0.5902
77	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@1	21.37	27.37	0.5458
77	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@104	21.38	27.38	0.5470
77	30	40	635332	3529.98	CP-OFDM QPSK	53@26	24.65	30.65	1.1614
77	30	40	635332	3529.98	CP-OFDM QPSK	1@1	24.21	30.21	1.0495
77	30	40	635332	3529.98	CP-OFDM QPSK	1@104	24.27	30.27	1.0641
77	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	64@32	26.18	32.18	1.6520
77	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	25.89	31.89	1.5453
77	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@131	25.79	31.79	1.5101
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	64@32	26.2	32.2	1.6596
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	25.86	31.86	1.5346
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@131	25.74	31.74	1.4928
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	64@32	25.19	31.19	1.3152
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	25.08	31.08	1.2823
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@131	24.96	30.96	1.2474
77	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	64@32	23.67	29.67	0.9268
77	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@1	23.42	29.42	0.8750
77	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@131	23.28	29.28	0.8472
77	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	64@32	21.77	27.77	0.5984
77	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@1	21.65	27.65	0.5821
77	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@131	21.43	27.43	0.5534

77	30	50	631668	3475.02	CP-OFDM QPSK	67@33	24.63	30.63	1.1561
77	30	50	631668	3475.02	CP-OFDM QPSK	1@1	24.57	30.57	1.1402
77	30	50	631668	3475.02	CP-OFDM QPSK	1@131	24.38	30.38	1.0914
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@32	26.08	32.08	1.6144
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.93	31.93	1.5596
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@131	25.76	31.76	1.4997
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	64@32	26.09	32.09	1.6181
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.89	31.89	1.5453
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@131	25.7	31.7	1.4791
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	64@32	25.11	31.11	1.2912
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.08	31.08	1.2823
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@131	24.83	30.83	1.2106
77	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	64@32	23.59	29.59	0.9099
77	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.42	29.42	0.8750
77	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@131	23.23	29.23	0.8375
77	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	64@32	21.67	27.67	0.5848
77	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.49	27.49	0.5610
77	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@131	21.33	27.33	0.5408
77	30	50	633334	3500.01	CP-OFDM QPSK	67@33	24.56	30.56	1.1376
77	30	50	633334	3500.01	CP-OFDM QPSK	1@1	24.3	30.3	1.0715
77	30	50	633334	3500.01	CP-OFDM QPSK	1@131	24.08	30.08	1.0186
77	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	64@32	26.21	32.21	1.6634
77	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	26	32	1.5849
77	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@131	26	32	1.5849
77	30	50	635000	3525	DFT-s-OFDM QPSK	64@32	26.22	32.22	1.6672
77	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	25.96	31.96	1.5704
77	30	50	635000	3525	DFT-s-OFDM QPSK	1@131	25.91	31.91	1.5524
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	64@32	25.23	31.23	1.3274
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	25.14	31.14	1.3002
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@131	25.24	31.24	1.3305
77	30	50	635000	3525	DFT-s-OFDM 64 QAM	64@32	23.69	29.69	0.9311
77	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	23.48	29.48	0.8872
77	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@131	23.44	29.44	0.8790
77	30	50	635000	3525	DFT-s-OFDM 256 QAM	64@32	21.79	27.79	0.6012

77	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	21.57	27.57	0.5715
77	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@131	21.59	27.59	0.5741
77	30	50	635000	3525	CP-OFDM QPSK	67@33	24.64	30.64	1.1588
77	30	50	635000	3525	CP-OFDM QPSK	1@1	24.39	30.39	1.0940
77	30	50	635000	3525	CP-OFDM QPSK	1@131	24.34	30.34	1.0814
77	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	81@40	26.19	32.19	1.6558
77	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@1	25.69	31.69	1.4757
77	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@160	25.62	31.62	1.4521
77	30	60	632000	3480	DFT-s-OFDM QPSK	81@40	26.2	32.2	1.6596
77	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	25.67	31.67	1.4689
77	30	60	632000	3480	DFT-s-OFDM QPSK	1@160	25.61	31.61	1.4488
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	81@40	25.19	31.19	1.3152
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	24.82	30.82	1.2078
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@160	24.74	30.74	1.1858
77	30	60	632000	3480	DFT-s-OFDM 64 QAM	81@40	23.65	29.65	0.9226
77	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@1	23.21	29.21	0.8337
77	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@160	23.14	29.14	0.8204
77	30	60	632000	3480	DFT-s-OFDM 256 QAM	81@40	21.78	27.78	0.5998
77	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@1	21.55	27.55	0.5689
77	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@160	21.37	27.37	0.5458
77	30	60	632000	3480	CP-OFDM QPSK	81@40	24.66	30.66	1.1641
77	30	60	632000	3480	CP-OFDM QPSK	1@1	24.28	30.28	1.0666
77	30	60	632000	3480	CP-OFDM QPSK	1@160	24.21	30.21	1.0495
77	30	60	633334	3480	DFT-s-OFDM PI/2 BPSK	81@40	26.19	32.19	1.6558
77	30	60	633334	3480	DFT-s-OFDM PI/2 BPSK	1@1	25.69	31.69	1.4757
77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@160	25.56	31.56	1.4322
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	81@40	26.09	32.09	1.6181
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.71	31.71	1.4825
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@160	25.53	31.53	1.4223
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	81@40	25.07	31.07	1.2794
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.82	30.82	1.2078
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@160	24.73	30.73	1.1830
77	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	81@40	23.55	29.55	0.9016
77	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.29	29.29	0.8492

77	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@160	23.08	29.08	0.8091
77	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	81@40	21.65	27.65	0.5821
77	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.39	27.39	0.5483
77	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@160	21.3	27.3	0.5370
77	30	60	633334	3500.01	CP-OFDM QPSK	81@40	24.55	30.55	1.1350
77	30	60	633334	3500.01	CP-OFDM QPSK	1@1	24.19	30.19	1.0447
77	30	60	633334	3500.01	CP-OFDM QPSK	1@160	23.96	29.96	0.9908
77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	81@40	26.24	32.24	1.6749
77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	25.83	31.83	1.5241
77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@160	25.82	31.82	1.5205
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	81@40	26.24	32.24	1.6749
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	25.82	31.82	1.5205
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@160	25.76	31.76	1.4997
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	81@40	25.22	31.22	1.3243
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	24.93	30.93	1.2388
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@160	24.93	30.93	1.2388
77	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	81@40	23.7	29.7	0.9333
77	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@1	23.3	29.3	0.8511
77	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@160	23.31	29.31	0.8531
77	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	81@40	21.8	27.8	0.6026
77	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@1	21.58	27.58	0.5728
77	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@160	21.46	27.46	0.5572
77	30	60	634666	3519.99	CP-OFDM QPSK	81@40	24.71	30.71	1.1776
77	30	60	634666	3519.99	CP-OFDM QPSK	1@1	24.23	30.23	1.0544
77	30	60	634666	3519.99	CP-OFDM QPSK	1@160	24.27	30.27	1.0641
77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	108@54	25.52	31.52	1.4191
77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	25.76	31.76	1.4997
77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@215	25.4	31.4	1.3804
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	108@54	26.19	32.19	1.6558
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	25.65	31.65	1.4622
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@215	25.37	31.37	1.3709
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	108@54	25.22	31.22	1.3243
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	24.55	30.55	1.1350
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@215	24.41	30.41	1.0990

77	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	108@54	23.64	29.64	0.9204
77	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@1	22.98	28.98	0.7907
77	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@215	22.8	28.8	0.7586
77	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	108@54	21.77	27.77	0.5984
77	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@1	21.25	27.25	0.5309
77	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@215	21.17	27.17	0.5212
77	30	80	632668	3490.02	CP-OFDM QPSK	109@54	24.61	30.61	1.1508
77	30	80	632668	3490.02	CP-OFDM QPSK	1@1	23.92	29.92	0.9817
77	30	80	632668	3490.02	CP-OFDM QPSK	1@215	23.75	29.75	0.9441
77	30	80	633334	3490.02	DFT-s-OFDM PI/2 BPSK	108@54	26.17	32.17	1.6482
77	30	80	633334	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	25.56	31.56	1.4322
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@215	25.45	31.45	1.3964
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	108@54	26.14	32.14	1.6368
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.53	31.53	1.4223
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@215	25.46	31.46	1.3996
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	25.15	31.15	1.3032
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.65	30.65	1.1614
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@215	24.52	30.52	1.1272
77	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	108@54	23.6	29.6	0.9120
77	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.02	29.02	0.7980
77	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@215	22.88	28.88	0.7727
77	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	108@54	21.7	27.7	0.5888
77	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.24	27.24	0.5297
77	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@215	21.15	27.15	0.5188
77	30	80	633334	3500.01	CP-OFDM QPSK	109@54	24.6	30.6	1.1482
77	30	80	633334	3500.01	CP-OFDM QPSK	1@1	23.94	29.94	0.9863
77	30	80	633334	3500.01	CP-OFDM QPSK	1@215	23.83	29.83	0.9616
77	30	80	634000	3500.01	DFT-s-OFDM PI/2 BPSK	108@54	26.13	32.13	1.6331
77	30	80	634000	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.54	31.54	1.4256
77	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@215	25.44	31.44	1.3932
77	30	80	634000	3510	DFT-s-OFDM QPSK	108@54	26.11	32.11	1.6255
77	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	25.58	31.58	1.4388
77	30	80	634000	3510	DFT-s-OFDM QPSK	1@215	25.4	31.4	1.3804
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	108@54	25.13	31.13	1.2972

77	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	24.69	30.69	1.1722
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@215	24.51	30.51	1.1246
77	30	80	634000	3510	DFT-s-OFDM 64 QAM	108@54	23.56	29.56	0.9036
77	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@1	23.03	29.03	0.7998
77	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@215	22.88	28.88	0.7727
77	30	80	634000	3510	DFT-s-OFDM 256 QAM	108@54	21.7	27.7	0.5888
77	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@1	21.45	27.45	0.5559
77	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@215	21.16	27.16	0.5200
77	30	80	634000	3510	CP-OFDM QPSK	109@54	24.54	30.54	1.1324
77	30	80	634000	3510	CP-OFDM QPSK	1@1	23.98	29.98	0.9954
77	30	80	634000	3510	CP-OFDM QPSK	1@215	23.79	29.79	0.9528
77	30	90	633000	3510	DFT-s-OFDM PI/2 BPSK	120@60	25.56	31.56	1.4322
77	30	90	633000	3510	DFT-s-OFDM PI/2 BPSK	1@1	25.62	31.62	1.4521
77	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@243	25.3	31.3	1.3490
77	30	90	633000	3495	DFT-s-OFDM QPSK	120@60	26.12	32.12	1.6293
77	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	25.37	31.37	1.3709
77	30	90	633000	3495	DFT-s-OFDM QPSK	1@243	25.29	31.29	1.3459
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	120@60	25.12	31.12	1.2942
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	24.52	30.52	1.1272
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@243	24.46	30.46	1.1117
77	30	90	633000	3495	DFT-s-OFDM 64 QAM	120@60	23.56	29.56	0.9036
77	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@1	22.83	28.83	0.7638
77	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@243	22.74	28.74	0.7482
77	30	90	633000	3495	DFT-s-OFDM 256 QAM	120@60	21.66	27.66	0.5834
77	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@1	21.19	27.19	0.5236
77	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@243	21.04	27.04	0.5058
77	30	90	633000	3495	CP-OFDM QPSK	123@61	24.6	30.6	1.1482
77	30	90	633000	3495	CP-OFDM QPSK	1@1	23.97	29.97	0.9931
77	30	90	633000	3495	CP-OFDM QPSK	1@243	23.86	29.86	0.9683
77	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	120@60	26.1	32.1	1.6218
77	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.37	31.37	1.3709
77	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@243	25.33	31.33	1.3583
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	120@60	26.1	32.1	1.6218
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.42	31.42	1.3868

77	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@243	25.35	31.35	1.3646
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	120@60	25.12	31.12	1.2942
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.46	30.46	1.1117
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@243	24.38	30.38	1.0914
77	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	120@60	23.57	29.57	0.9057
77	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.86	28.86	0.7691
77	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@243	22.77	28.77	0.7534
77	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	120@60	21.68	27.68	0.5861
77	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.11	27.11	0.5140
77	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@243	20.99	26.99	0.5000
77	30	90	633334	3500.01	CP-OFDM QPSK	123@61	24.56	30.56	1.1376
77	30	90	633334	3500.01	CP-OFDM QPSK	1@1	23.87	29.87	0.9705
77	30	90	633334	3500.01	CP-OFDM QPSK	1@243	23.92	29.92	0.9817
77	30	90	633666	3500.01	DFT-s-OFDM PI/2 BPSK	120@60	26.09	32.09	1.6181
77	30	90	633666	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.39	31.39	1.3772
77	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@243	25.27	31.27	1.3397
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	120@60	26.09	32.09	1.6181
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	25.41	31.41	1.3836
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@243	25.27	31.27	1.3397
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	120@60	25.09	31.09	1.2853
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	24.54	30.54	1.1324
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@243	24.39	30.39	1.0940
77	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	120@60	23.53	29.53	0.8974
77	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@1	22.99	28.99	0.7925
77	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@243	22.77	28.77	0.7534
77	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	120@60	21.68	27.68	0.5861
77	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@1	21.17	27.17	0.5212
77	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@243	21.07	27.07	0.5093
77	30	90	633666	3504.99	CP-OFDM QPSK	123@61	24.55	30.55	1.1350
77	30	90	633666	3504.99	CP-OFDM QPSK	1@1	23.82	29.82	0.9594
77	30	90	633666	3504.99	CP-OFDM QPSK	1@243	23.71	29.71	0.9354
77	30	100	633334	3504.99	DFT-s-OFDM PI/2 BPSK	135@67	25.53	31.53	1.4223
77	30	100	633334	3504.99	DFT-s-OFDM PI/2 BPSK	1@1	25.44	31.44	1.3932
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	25.08	31.08	1.2823

77	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	26.06	32.06	1.6069
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.2	31.2	1.3183
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	25.07	31.07	1.2794
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	25.09	31.09	1.2853
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.35	30.35	1.0839
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	24.25	30.25	1.0593
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	23.53	29.53	0.8974
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.73	28.73	0.7464
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	22.64	28.64	0.7311
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	21.63	27.63	0.5794
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.96	26.96	0.4966
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	20.89	26.89	0.4887
77	30	100	633334	3500.01	CP-OFDM QPSK	137@68	24.54	30.54	1.1324
77	30	100	633334	3500.01	CP-OFDM QPSK	1@1	23.6	29.6	0.9120
77	30	100	633334	3500.01	CP-OFDM QPSK	1@271	23.73	29.73	0.9397

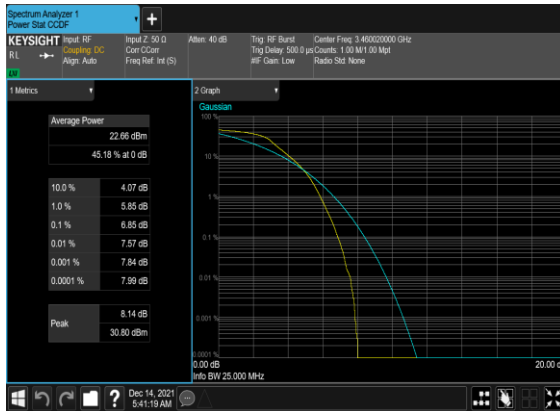
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0209	PASS	NV
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0603	PASS	LV
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0419	PASS	HV
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0495	PASS	-30°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0569	PASS	-20°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0352	PASS	-10°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0515	PASS	0°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0231	PASS	10°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0478	PASS	20°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0333	PASS	30°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0063	PASS	40°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0225	PASS	50°C

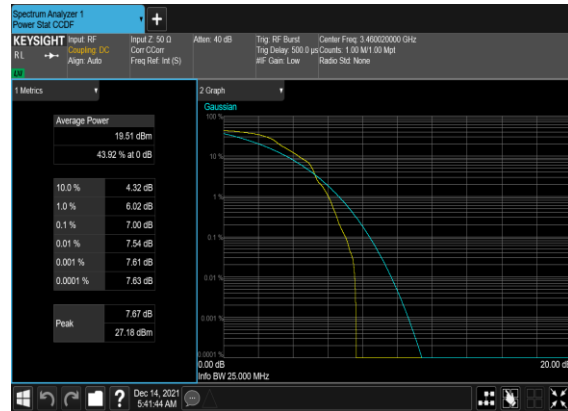
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	50@0	6.85	13	PASS
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@0	7.0	13	PASS
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	50@0	7.97	13	PASS
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	8.83	13	PASS
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	7.0	13	PASS
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@0	7.49	13	PASS
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	7.96	13	PASS
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	8.81	13	PASS
77	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	50@0	6.81	13	PASS
77	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	1@0	7.04	13	PASS
77	30	20	636000	3540.0	DFT-s-OFDM QPSK	50@0	7.94	13	PASS
77	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	8.83	13	PASS

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



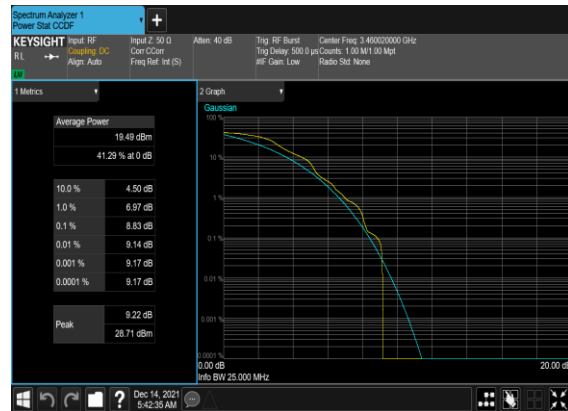
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



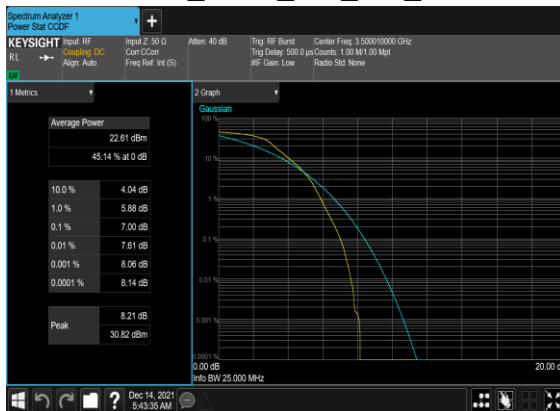
N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



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



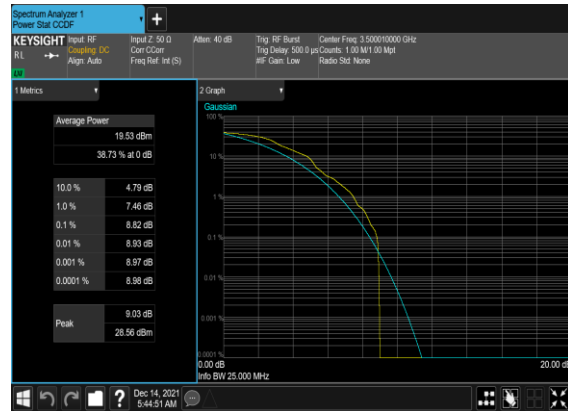
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



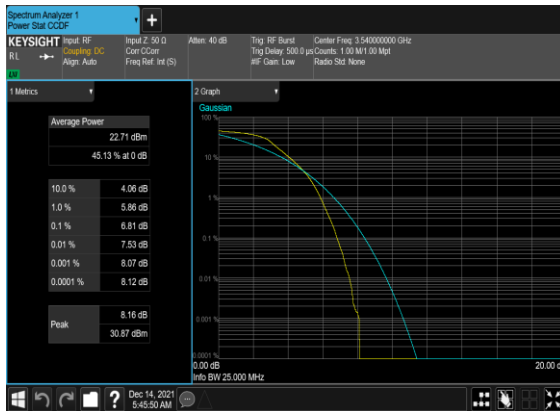
N77(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



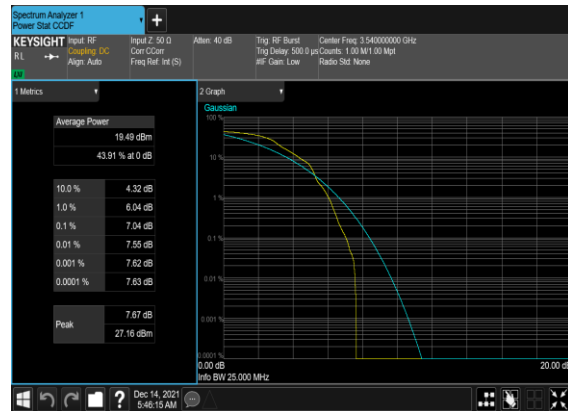
N77(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



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



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



N77(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



N77(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



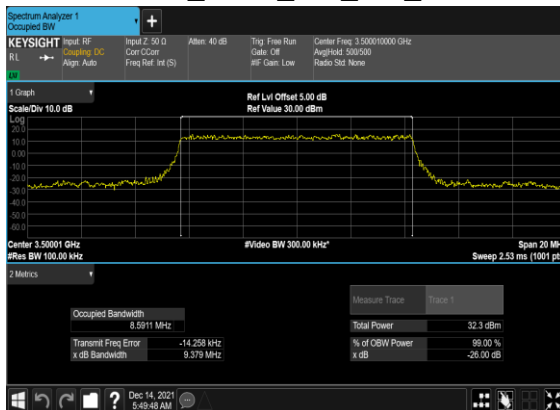
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
77	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	24@0	8.5911	9.379
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	24@0	8.5941	9.25
77	30	10	633334	3500.01	CP-OFDM QPSK	24@0	8.5783	9.384
77	30	10	633334	3500.01	CP-OFDM 16 QAM	24@0	8.5799	9.351
77	30	10	633334	3500.01	CP-OFDM 64 QAM	24@0	8.5762	9.286
77	30	10	633334	3500.01	CP-OFDM 256 QAM	24@0	8.5822	9.465
77	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@0	12.841	13.82
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	36@0	12.845	13.96
77	30	15	633334	3500.01	CP-OFDM QPSK	38@0	13.563	14.45
77	30	15	633334	3500.01	CP-OFDM 16 QAM	38@0	13.564	14.46
77	30	15	633334	3500.01	CP-OFDM 64 QAM	38@0	13.531	14.37
77	30	15	633334	3500.01	CP-OFDM 256 QAM	38@0	13.566	14.39
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	17.781	19.03
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	17.8	18.75
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18.192	19.23
77	30	20	633334	3500.01	CP-OFDM 16 QAM	51@0	18.195	19.27
77	30	20	633334	3500.01	CP-OFDM 64 QAM	51@0	18.195	19.21
77	30	20	633334	3500.01	CP-OFDM 256 QAM	51@0	18.183	19.21
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	100@0	35.764	37.26
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	100@0	35.706	37.2
77	30	40	633334	3500.01	CP-OFDM QPSK	106@0	37.755	39.37
77	30	40	633334	3500.01	CP-OFDM 16 QAM	106@0	37.812	39.35
77	30	40	633334	3500.01	CP-OFDM 64 QAM	106@0	37.861	39.61
77	30	40	633334	3500.01	CP-OFDM 256 QAM	106@0	37.815	39.62

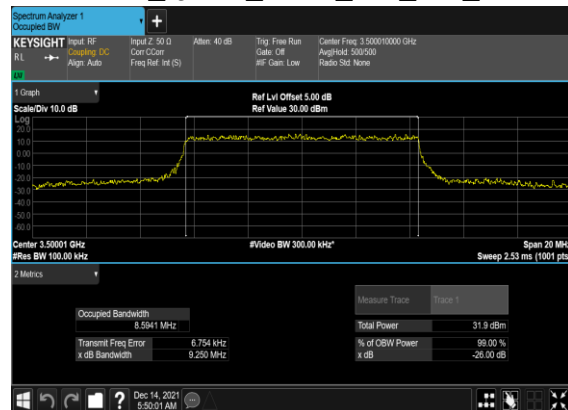
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	128@0	45.715	47.66
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	128@0	45.746	47.76
77	30	50	633334	3500.01	CP-OFDM QPSK	133@0	47.481	49.72
77	30	50	633334	3500.01	CP-OFDM 16 QAM	133@0	47.581	49.48
77	30	50	633334	3500.01	CP-OFDM 64 QAM	133@0	47.419	49.28
77	30	50	633334	3500.01	CP-OFDM 256 QAM	133@0	47.42	49.61
77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	162@0	57.943	59.96
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	162@0	58.028	60.0
77	30	60	633334	3500.01	CP-OFDM QPSK	162@0	57.843	59.83
77	30	60	633334	3500.01	CP-OFDM 16 QAM	162@0	57.802	59.87
77	30	60	633334	3500.01	CP-OFDM 64 QAM	162@0	57.742	59.82
77	30	60	633334	3500.01	CP-OFDM 256 QAM	162@0	57.875	59.75
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	216@0	77.1	79.63
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	216@0	77.134	79.73
77	30	80	633334	3500.01	CP-OFDM QPSK	217@0	77.619	80.01
77	30	80	633334	3500.01	CP-OFDM 16 QAM	217@0	77.527	79.99
77	30	80	633334	3500.01	CP-OFDM 64 QAM	217@0	77.411	79.9
77	30	80	633334	3500.01	CP-OFDM 256 QAM	217@0	77.467	79.96
77	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	240@0	85.665	88.77
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	240@0	85.813	88.57
77	30	90	633334	3500.01	CP-OFDM QPSK	245@0	87.428	90.24
77	30	90	633334	3500.01	CP-OFDM 16 QAM	245@0	87.618	90.24
77	30	90	633334	3500.01	CP-OFDM 64 QAM	245@0	87.418	90.35
77	30	90	633334	3500.01	CP-OFDM 256 QAM	245@0	87.344	92.22
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	270@0	96.211	99.54
77	30	100	633334	3500.01	DFT-s-OFDM	270@0	96.211	99.53

QPSK								
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	97.423	100.5
77	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	97.294	100.6
77	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	97.436	100.7
77	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	97.353	100.6

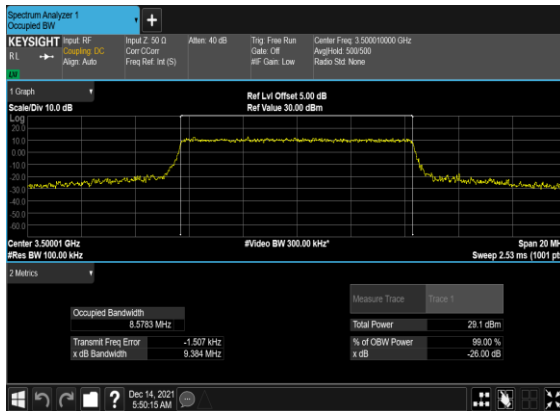
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BPSK_Outer_Full_Mid_CH



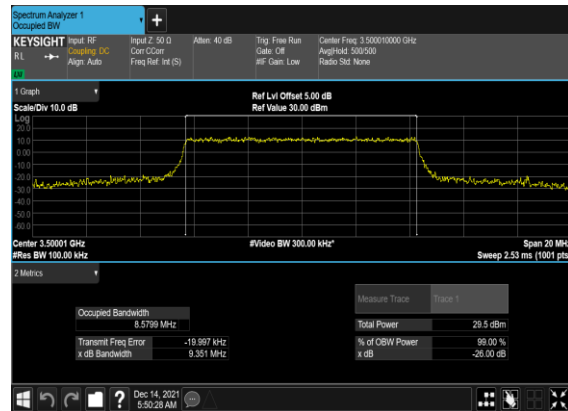
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OFDM_QPSK_Outer_Full_Mid_CH



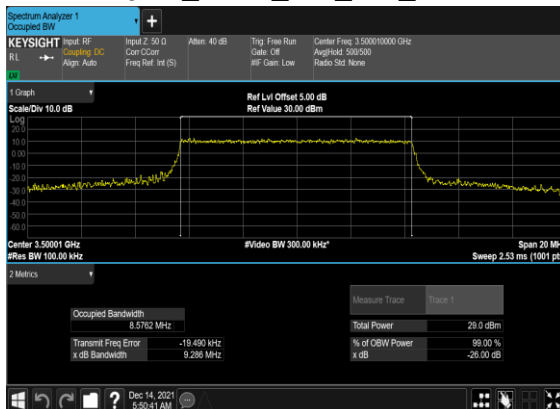
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OFDM_QPSK_Outer_Full_Mid_CH



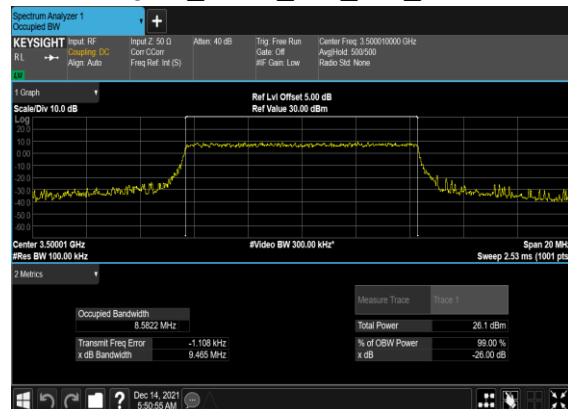
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QAM_Outer_Full_Mid_CH



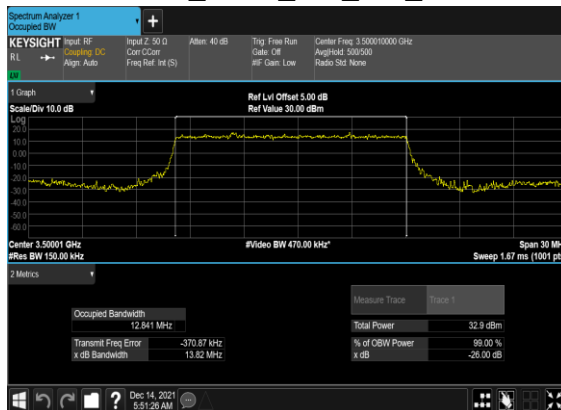
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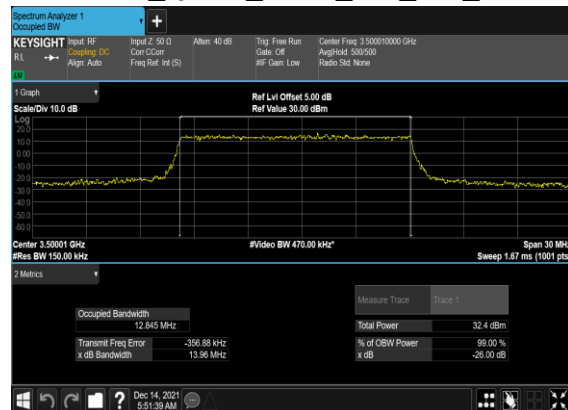
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QAM_Outer_Full_Mid_CH



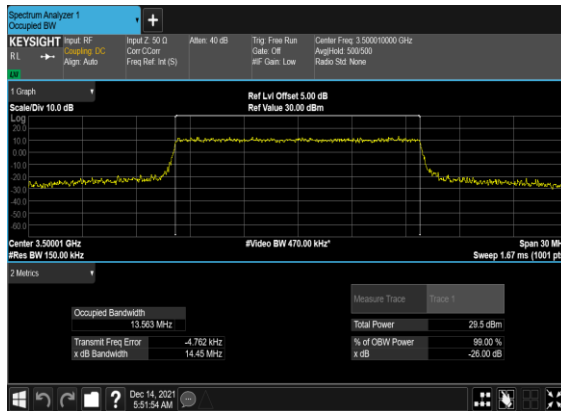
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BPSK_Outer_Full_Mid_CH



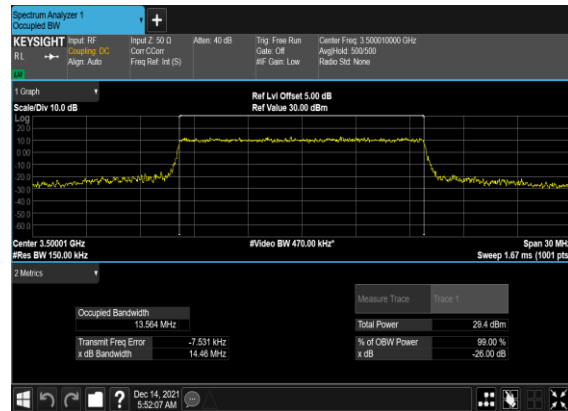
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OFDM_QPSK_Outer_Full_Mid_CH



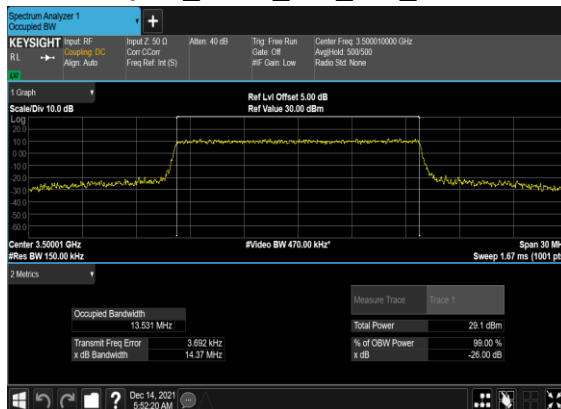
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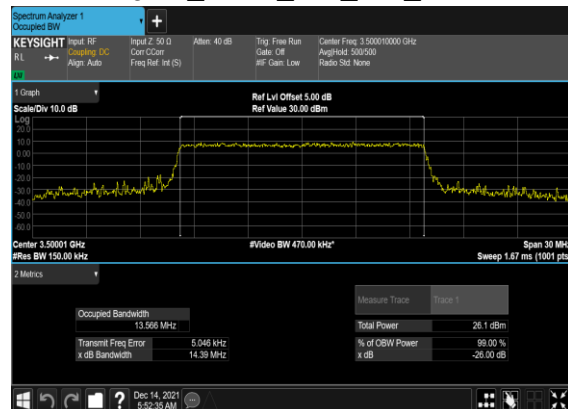
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QAM_Outer_Full_Mid_CH



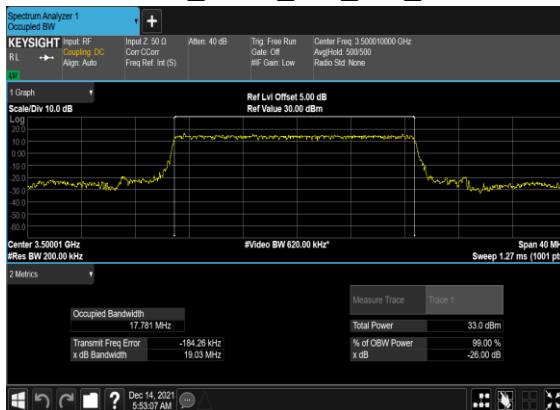
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QAM_Outer_Full_Mid_CH



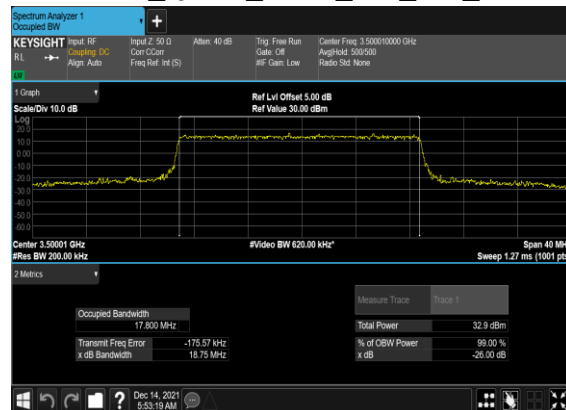
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QAM_Outer_Full_Mid_CH



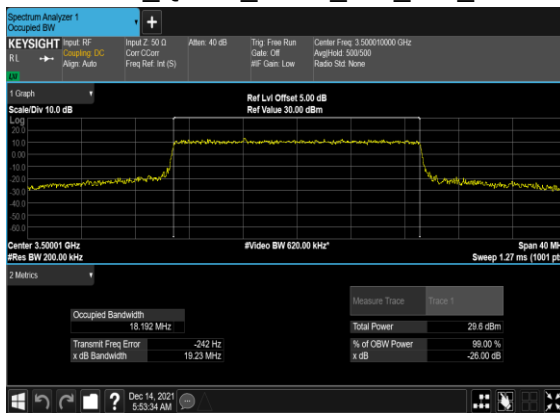
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BPSK_Outer_Full_Mid_CH



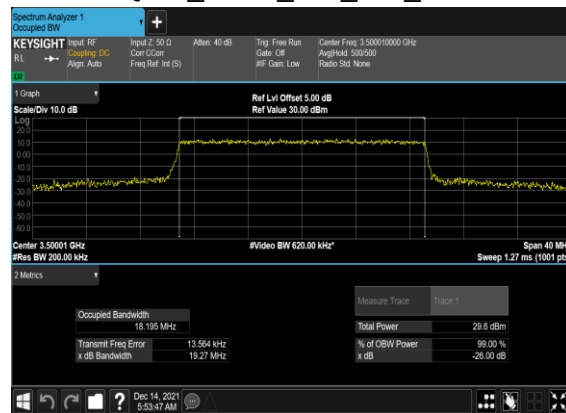
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OFDM_QPSK_Outer_Full_Mid_CH



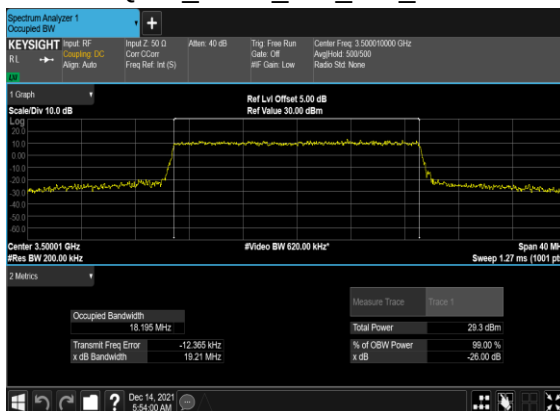
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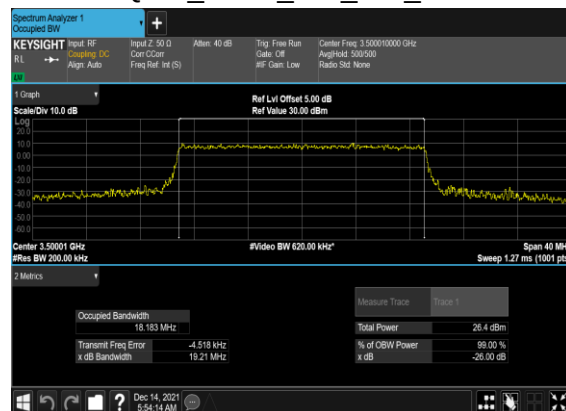
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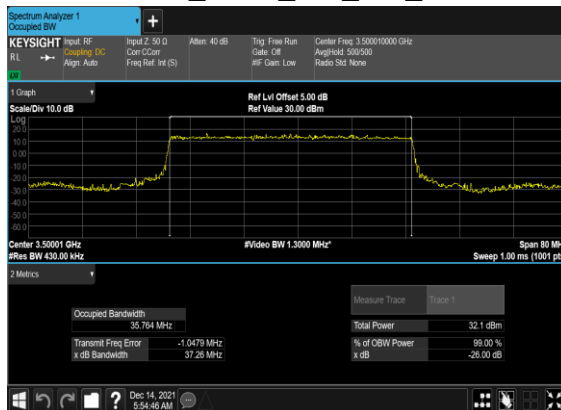
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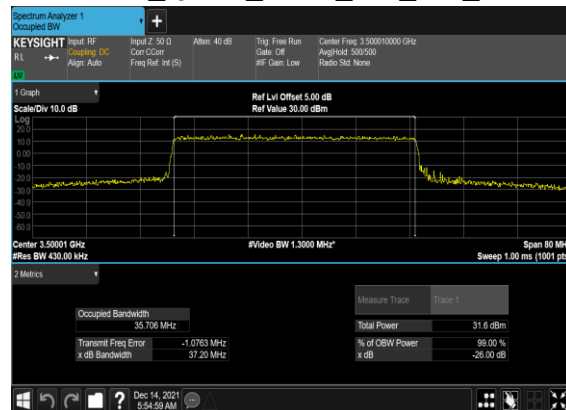
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QAM_Outer_Full_Mid_CH



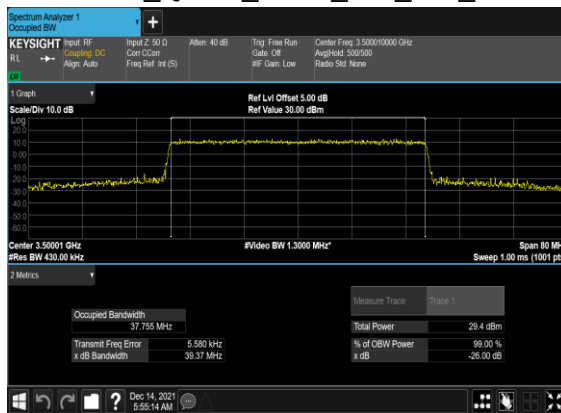
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BPSK_Outer_Full_Mid_CH



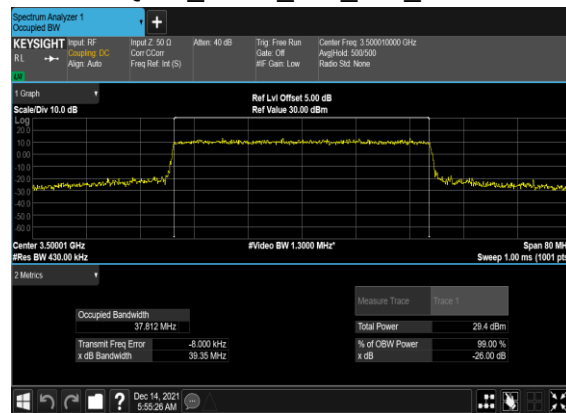
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OFDM_QPSK_Outer_Full_Mid_CH



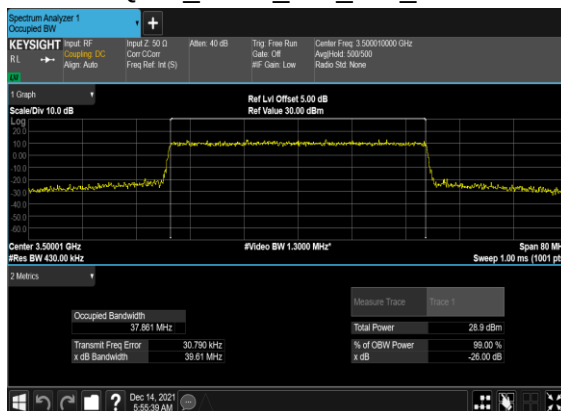
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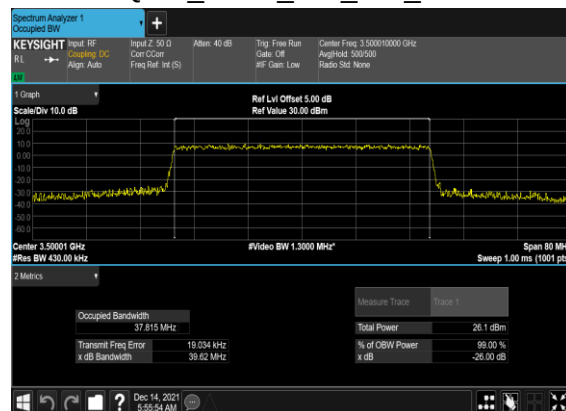
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QAM_Outer_Full_Mid_CH



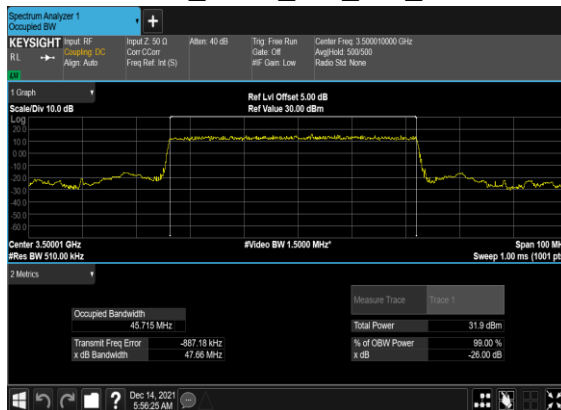
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QAM_Outer_Full_Mid_CH



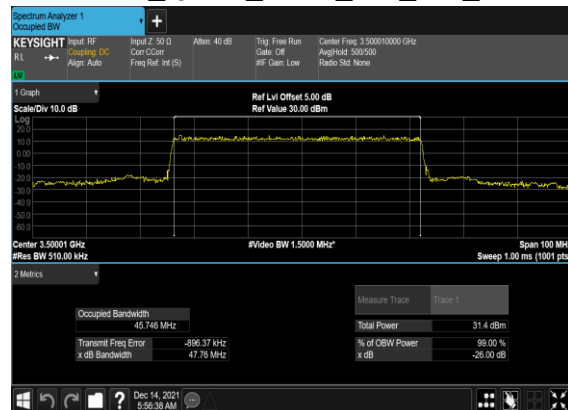
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QAM_Outer_Full_Mid_CH



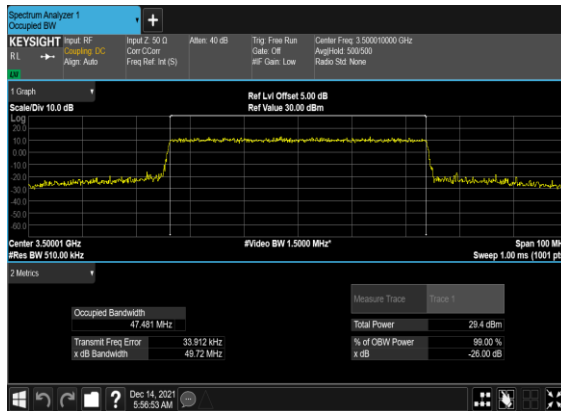
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BPSK_Outer_Full_Mid_CH



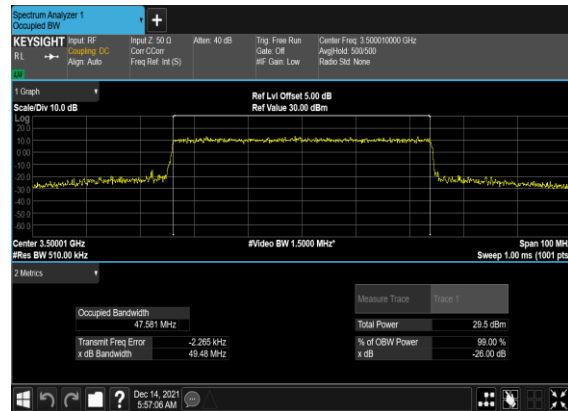
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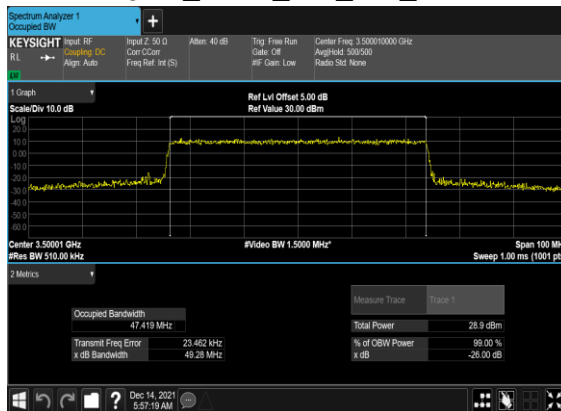
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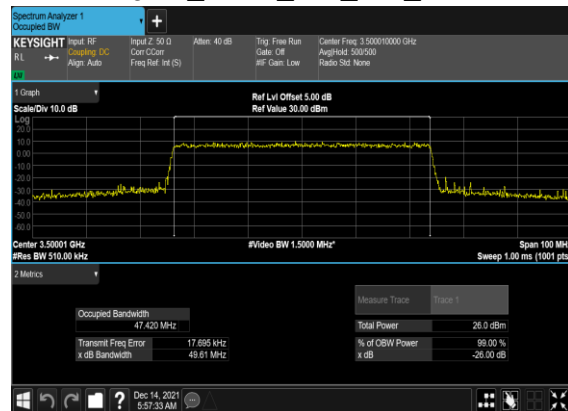
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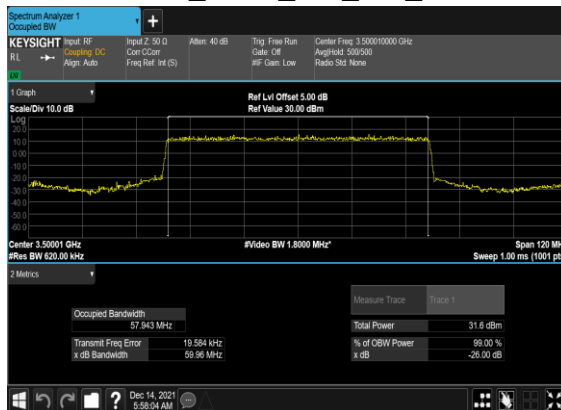
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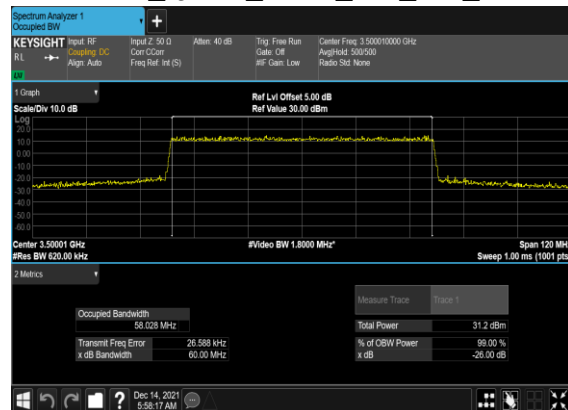
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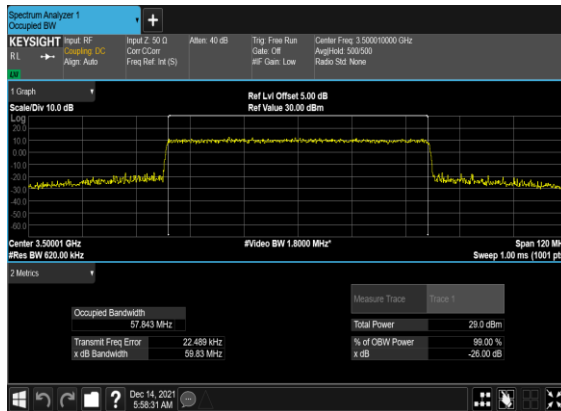
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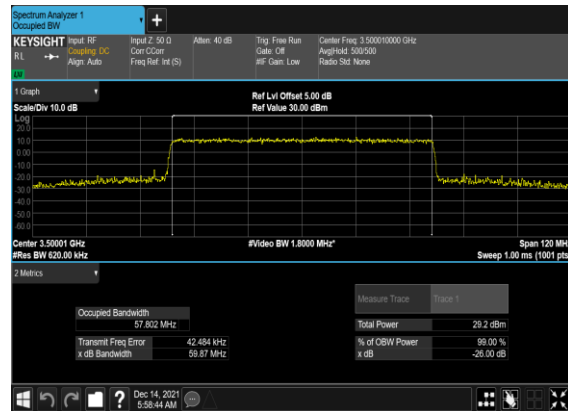
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OFDM_QPSK_Outer_Full_Mid_CH



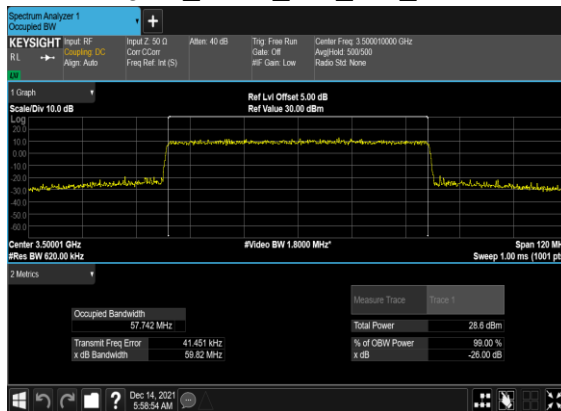
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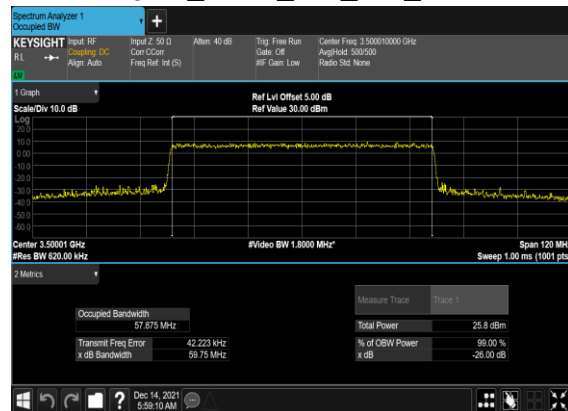
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QAM_Outer_Full_Mid_CH



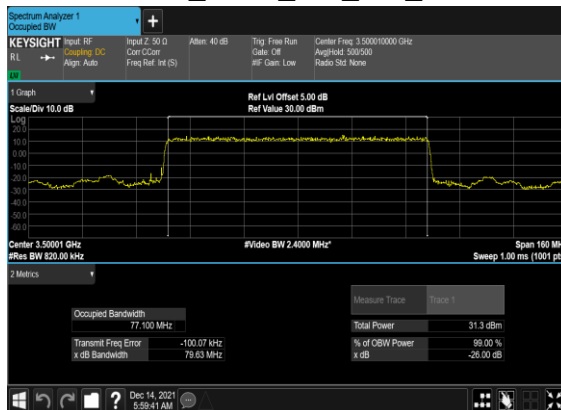
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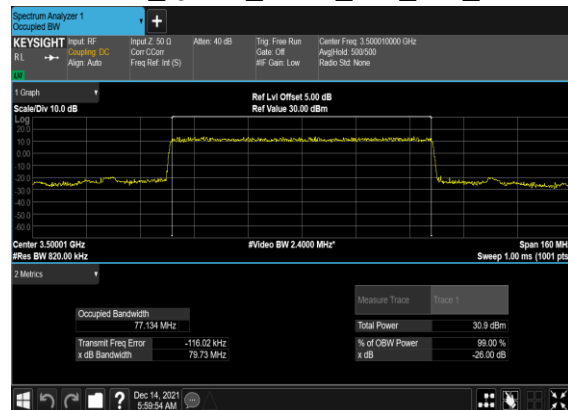
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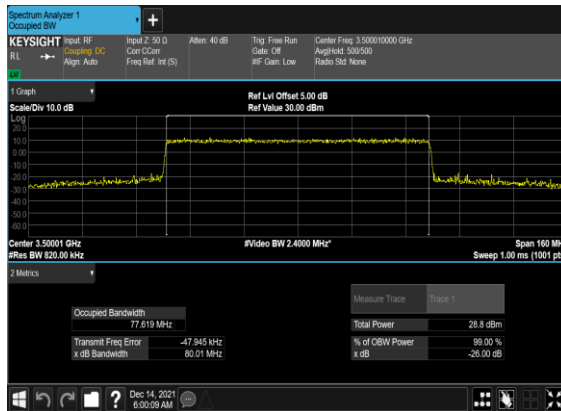
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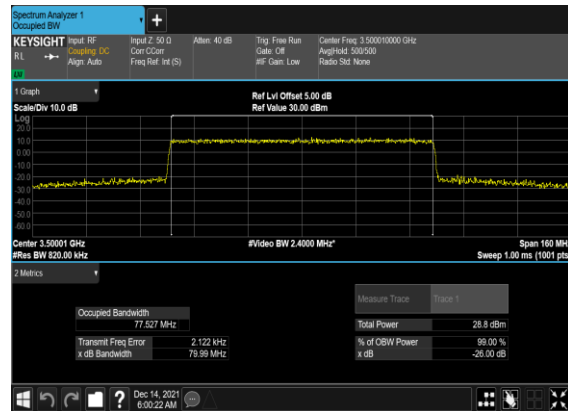
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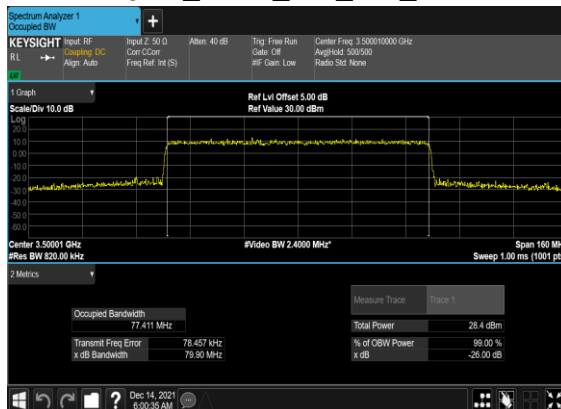
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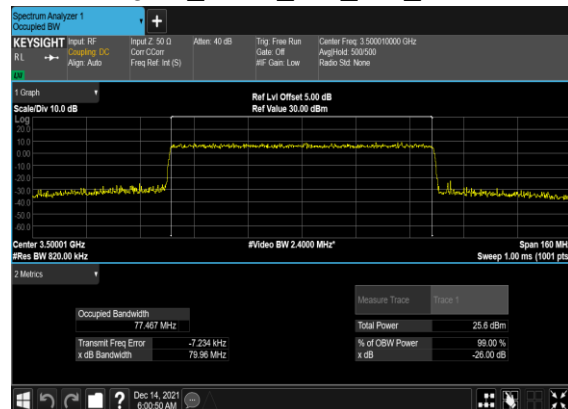
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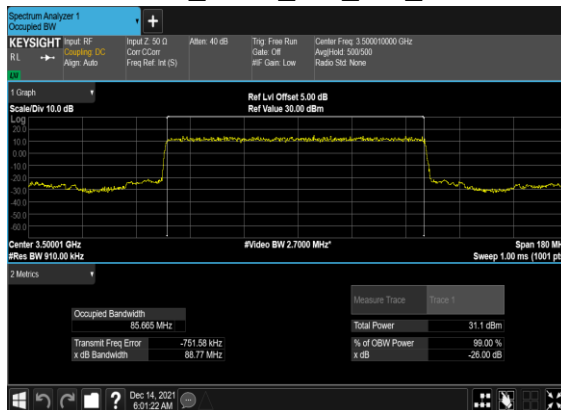
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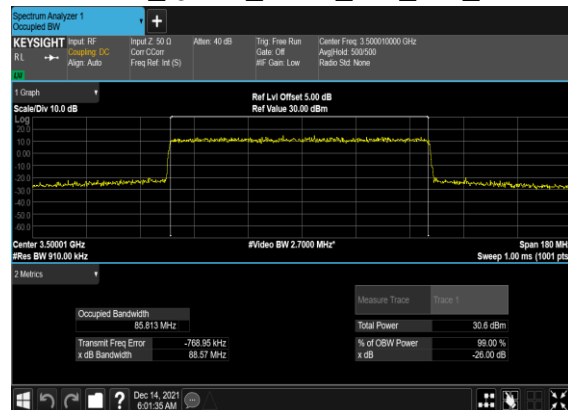
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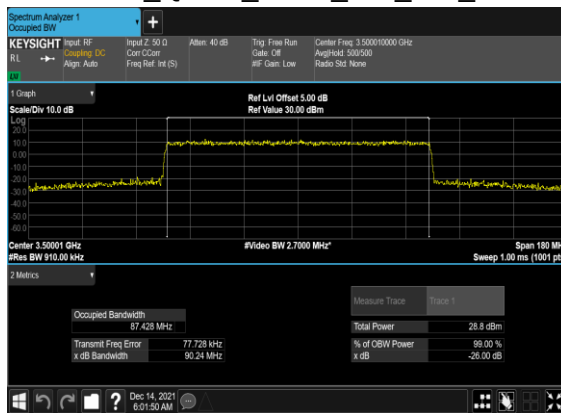
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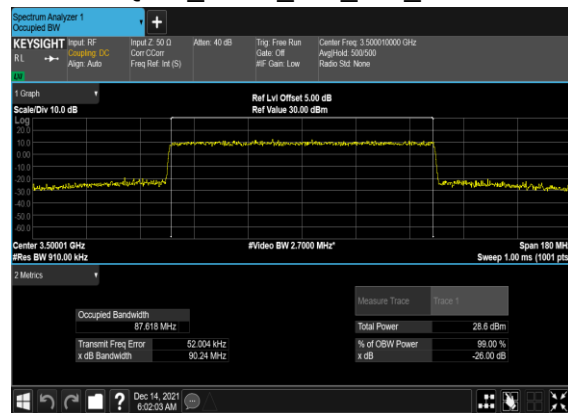
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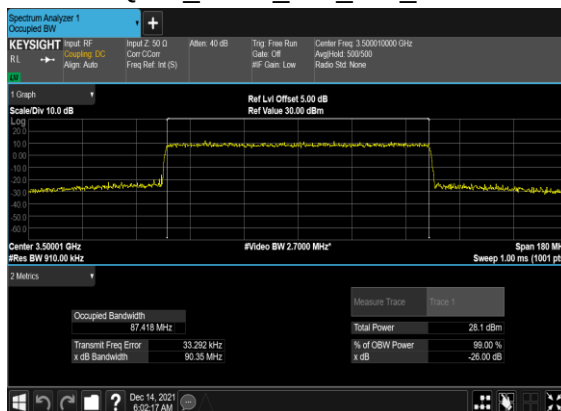
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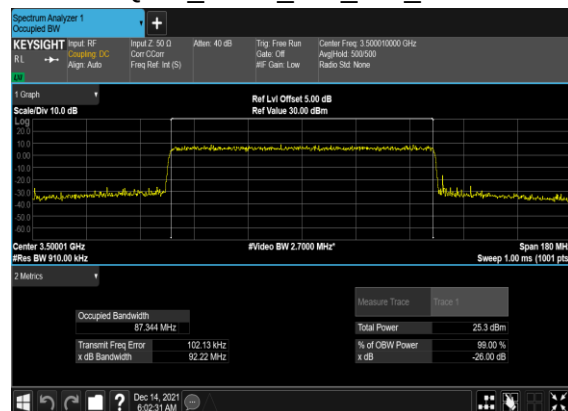
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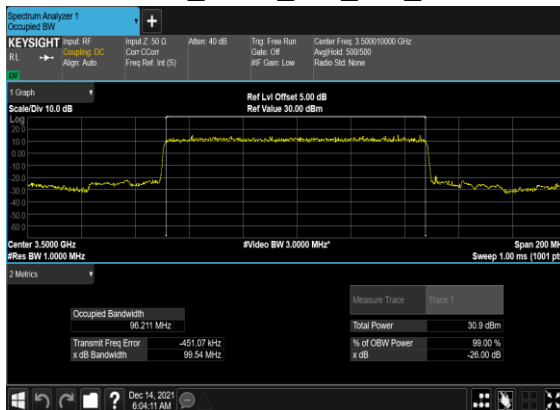
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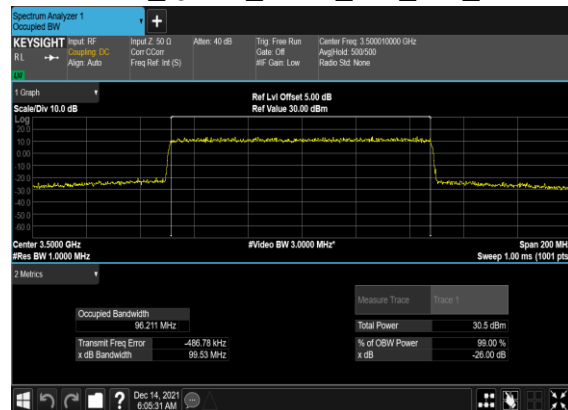
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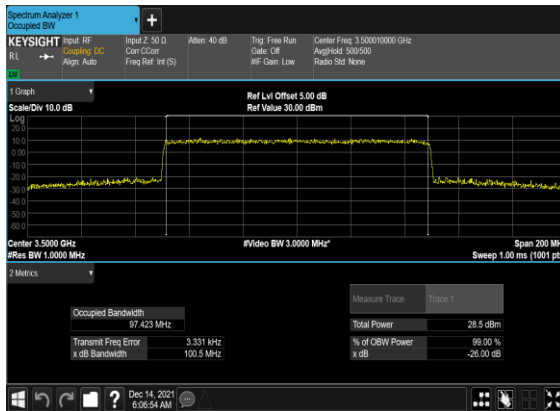
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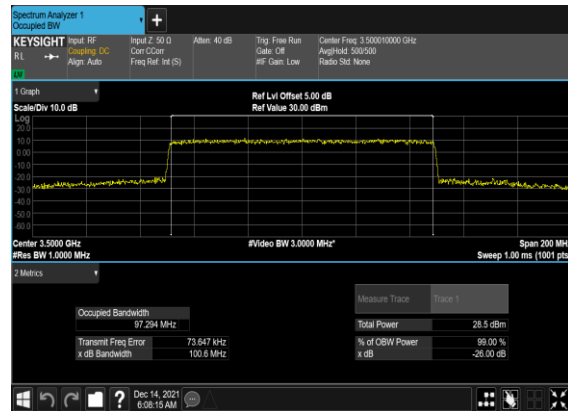
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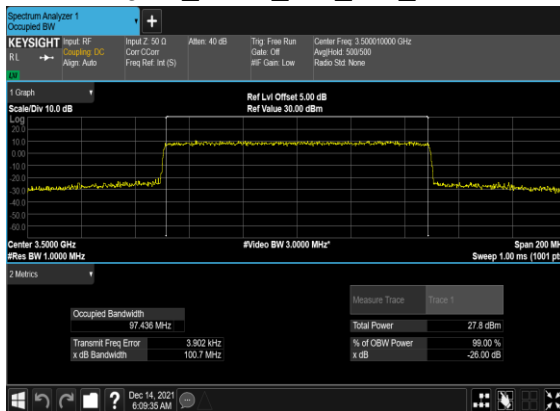
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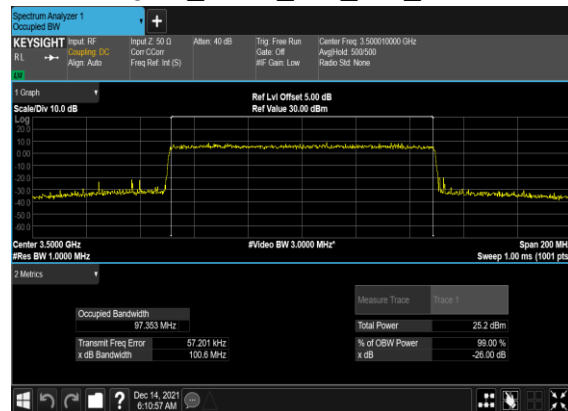
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QAM_Outer_Full_Mid_CH



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QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

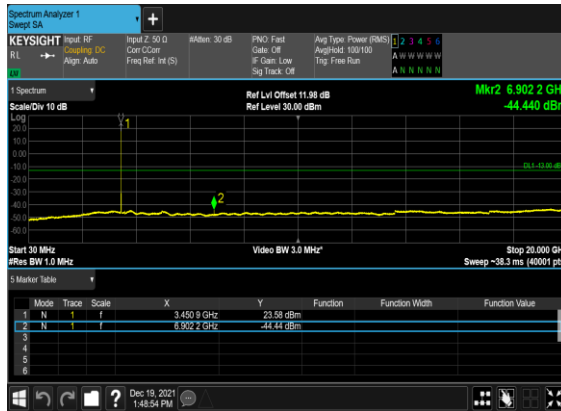


Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	see graph	---

77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS

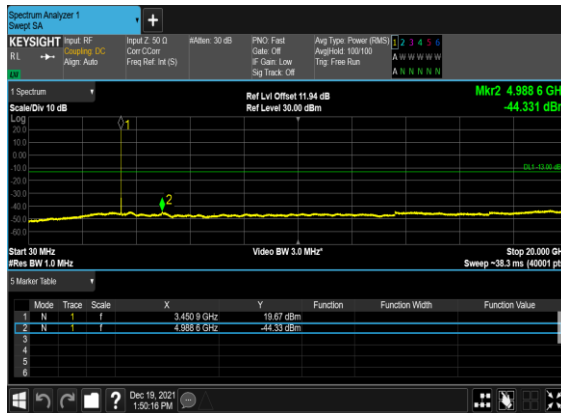
N77(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



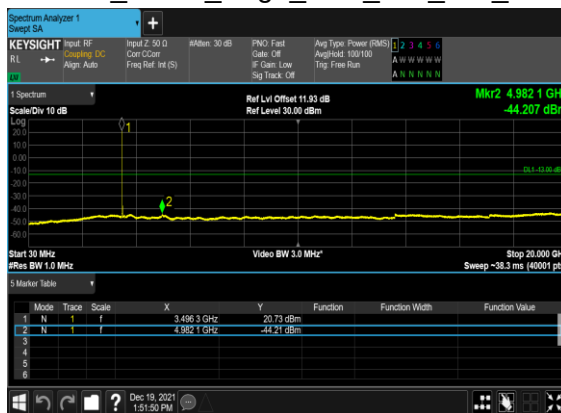
N77(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



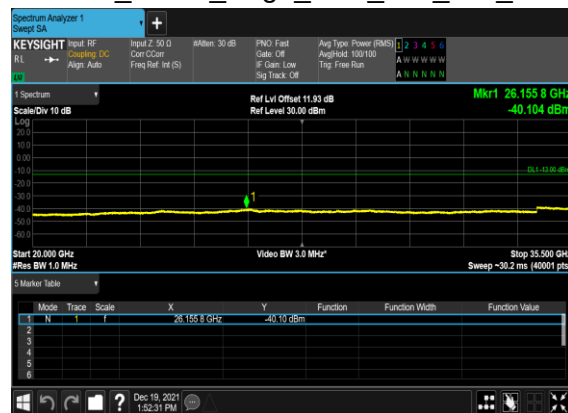
N77(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



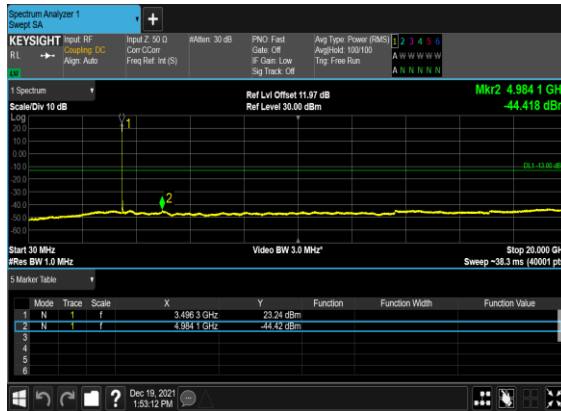
N77(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH



N77(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH



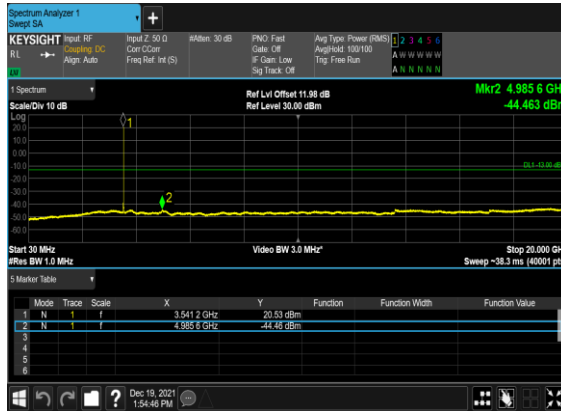
N77(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Mid_CH



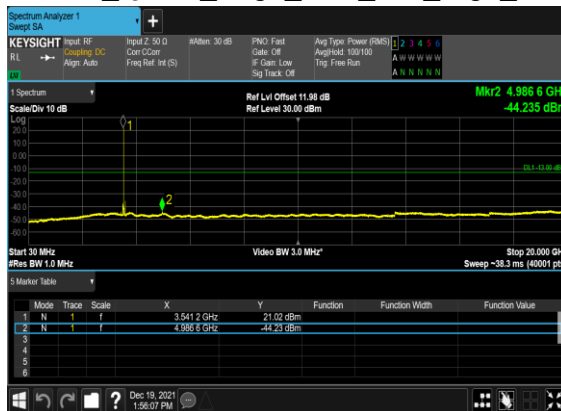
N77(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_High_CH



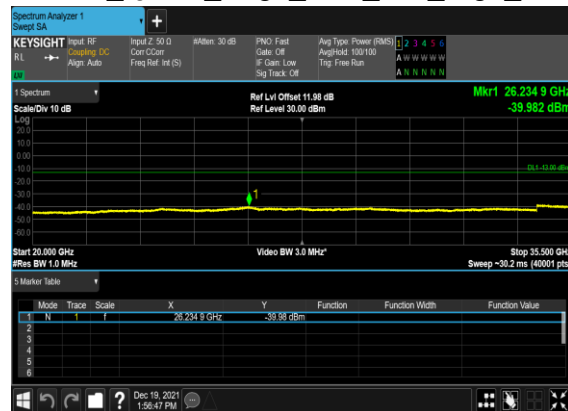
N77(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_High_CH



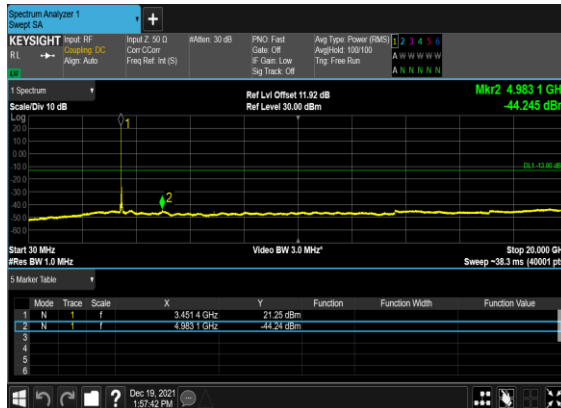
N77(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_High_CH



N77(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_High_CH



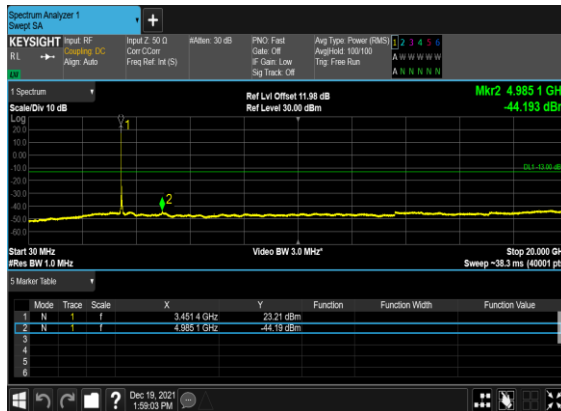
N77(50M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



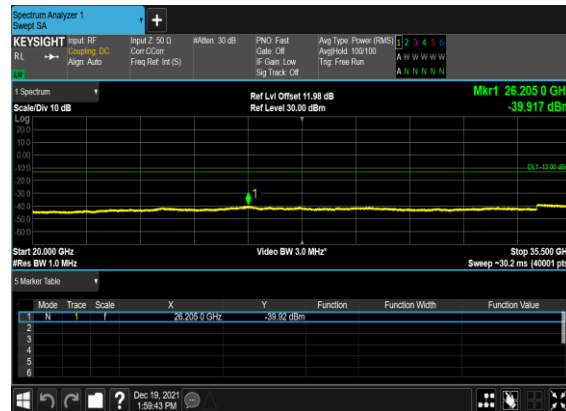
N77(50M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



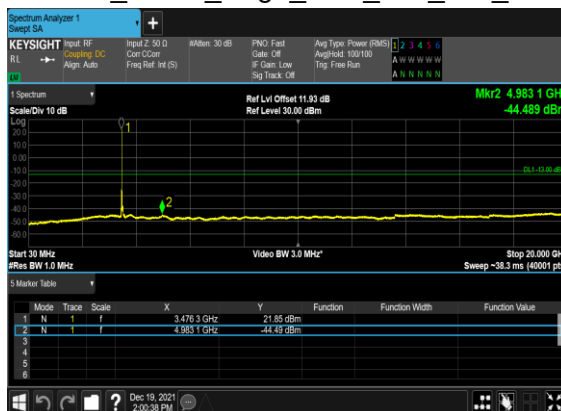
N77(50M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(50M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(50M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH



N77(50M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH

