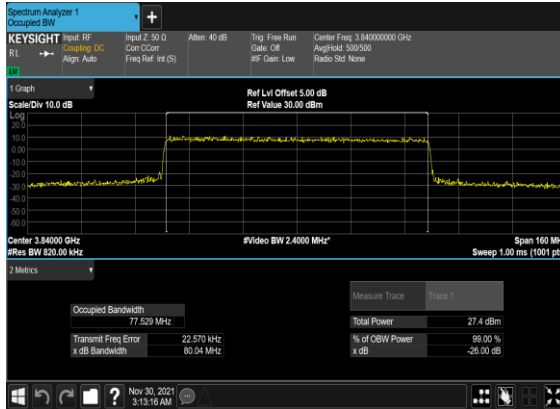
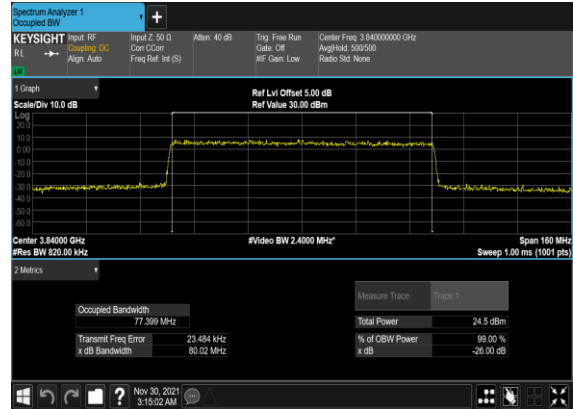


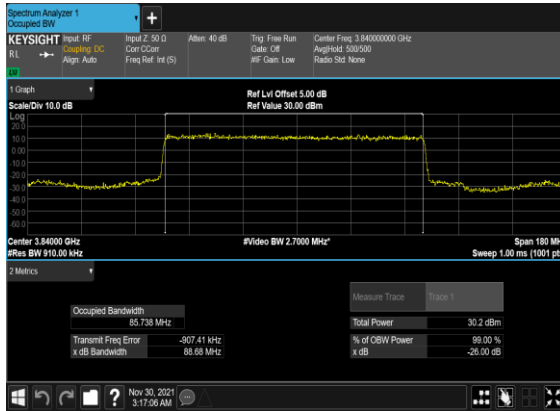
N77(80M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N77(80M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



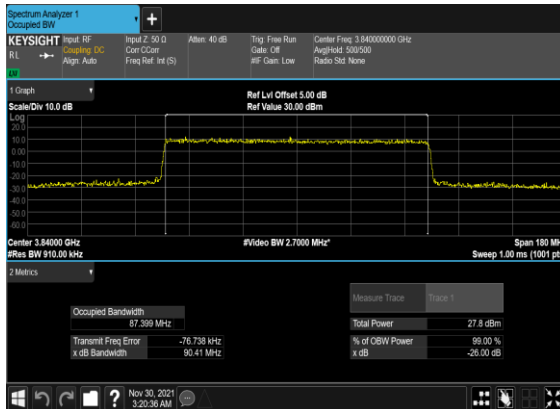
N77(90M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



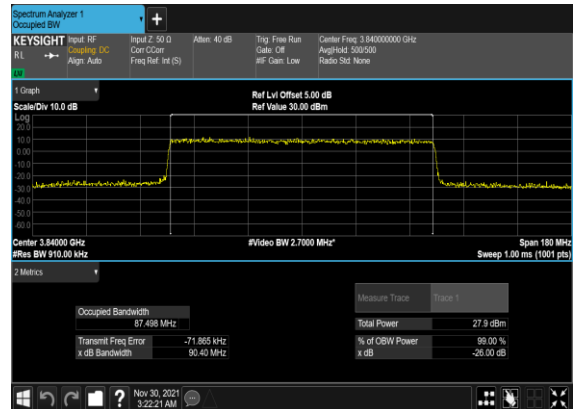
N77(90M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



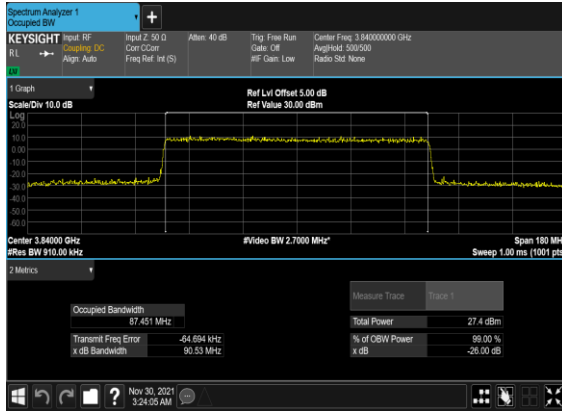
N77(90M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



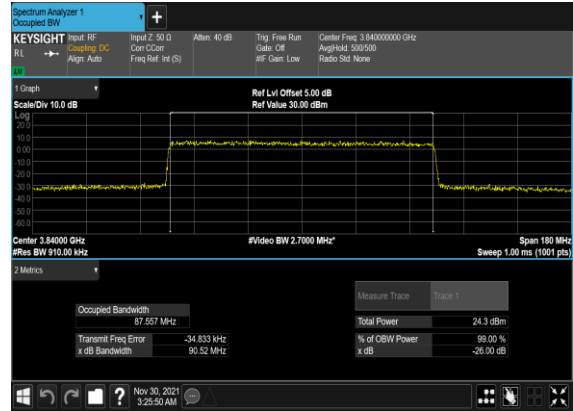
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QAM_Outer_Full_Mid_CH



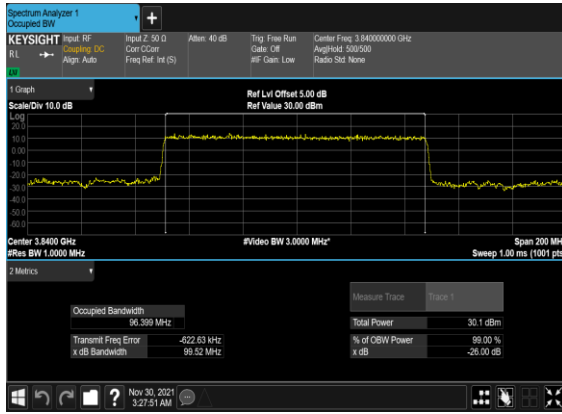
N77(90M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



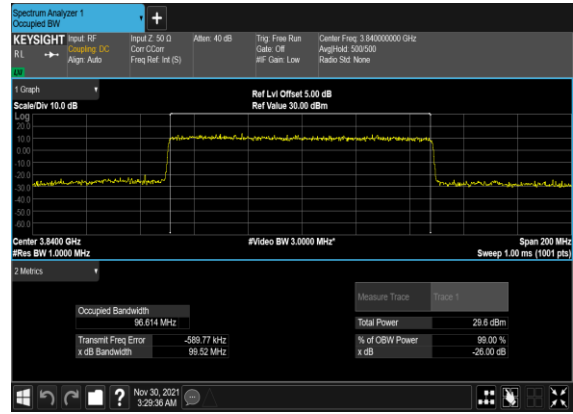
N77(90M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



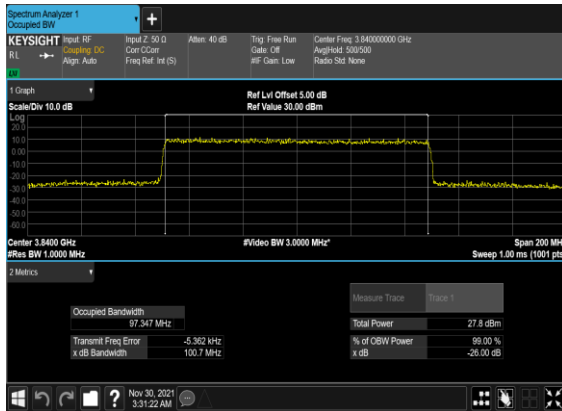
N77(100M)_DFT-s-OFDM_PI_2- BPSK_Outer_Full_Mid_CH



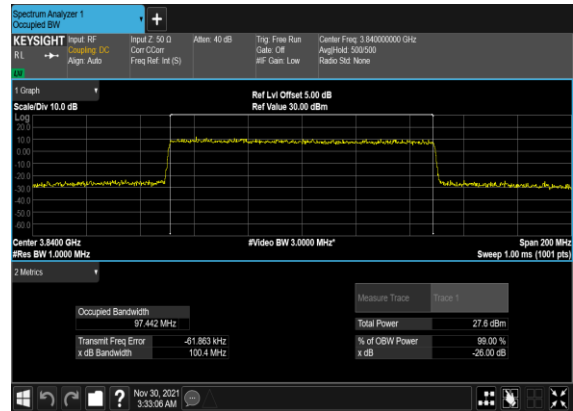
N77(100M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



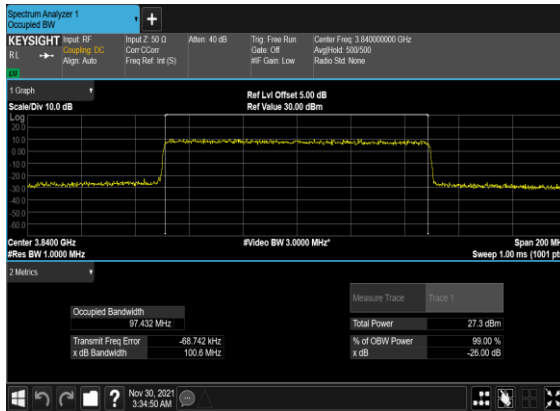
N77(100M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



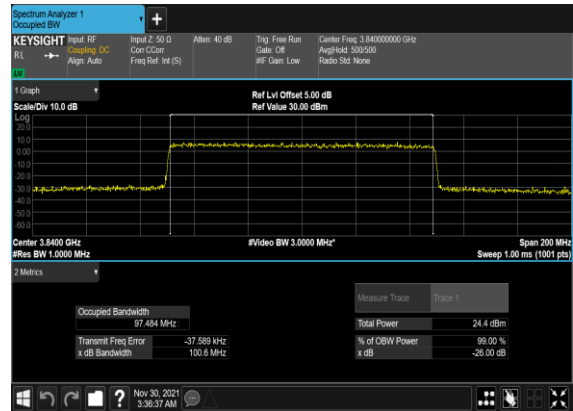
N77(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64 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	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	20	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	20	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	20	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	20	664666	3969.99	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	20	664666	3969.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	20	664666	3969.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	60	648668	3730.02	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	60	648668	3730.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	60	648668	3730.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@0	see graph	---

77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	60	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	60	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	60	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	60	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	60	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	60	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	60	663332	3949.98	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	60	663332	3949.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	60	663332	3949.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	---

77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

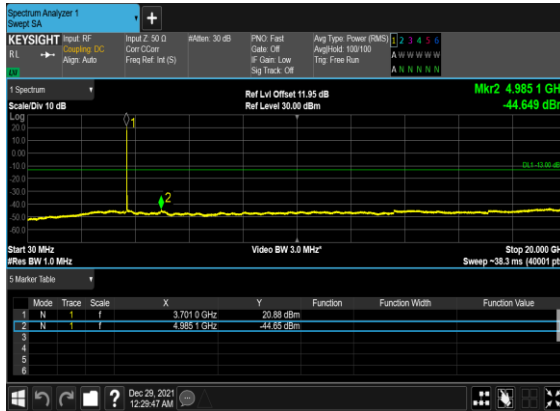
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



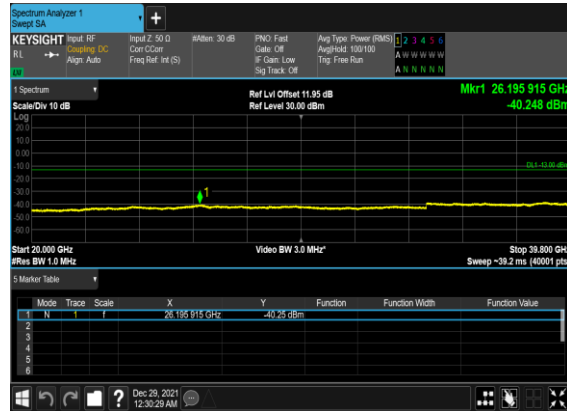
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



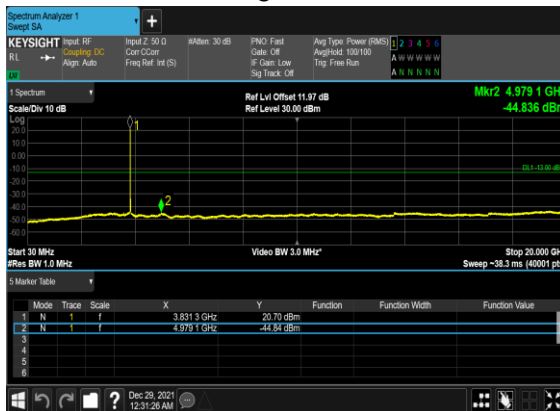
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



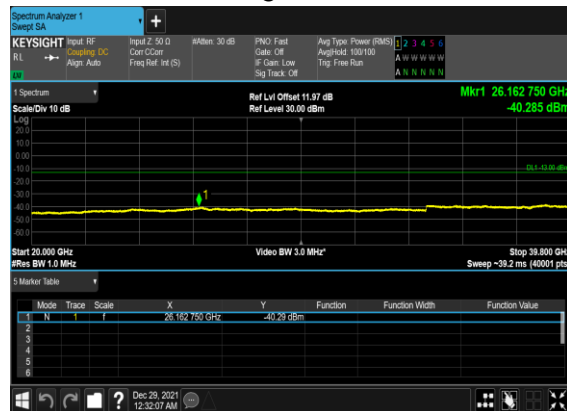
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



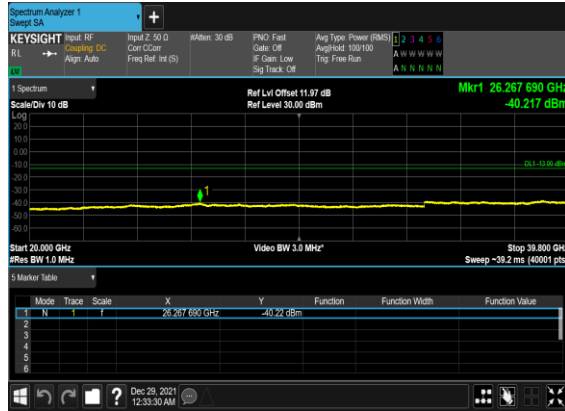
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



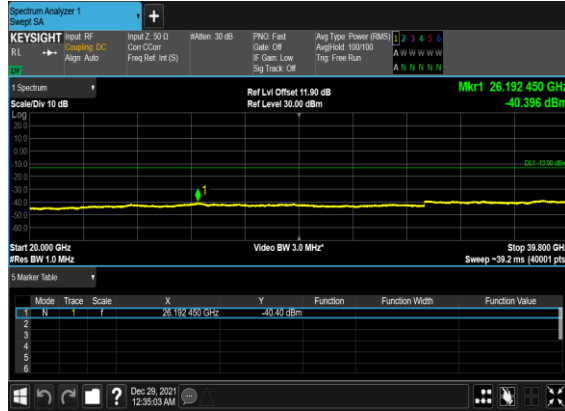
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



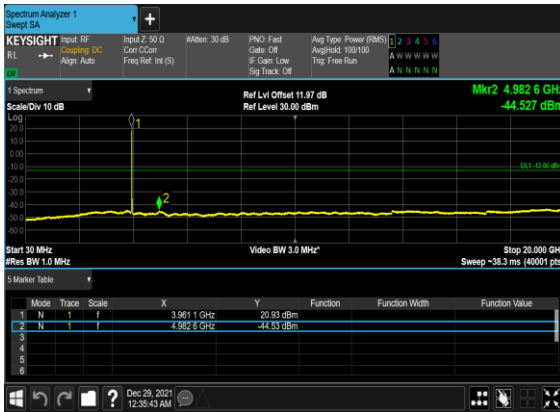
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



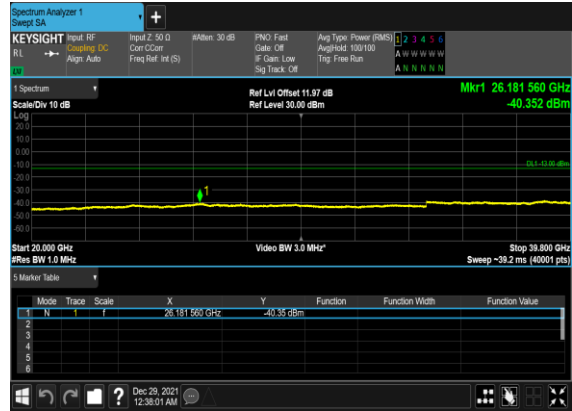
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



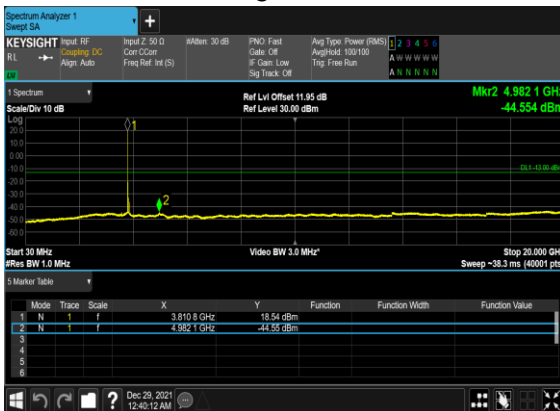
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



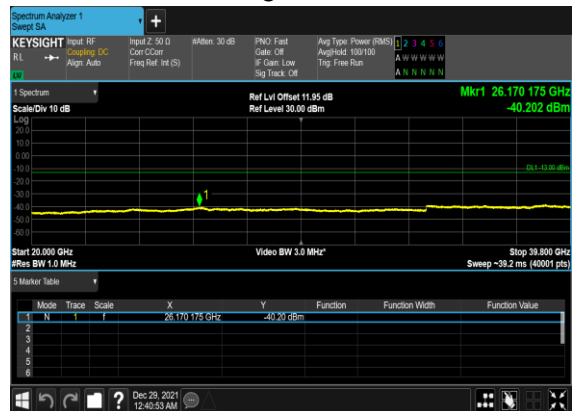
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



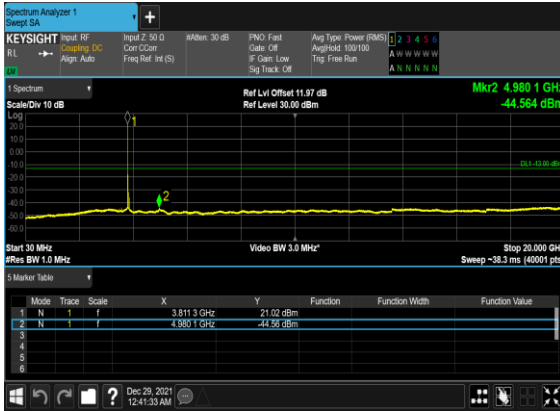
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



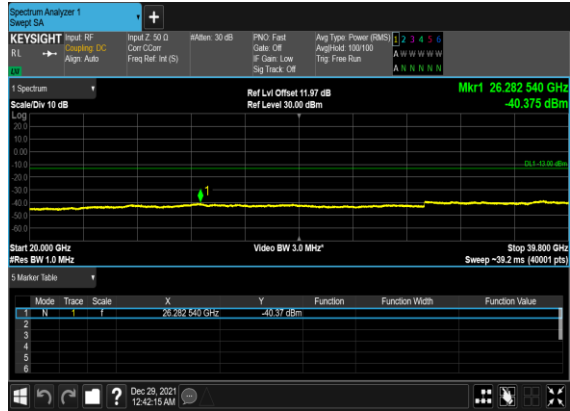
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



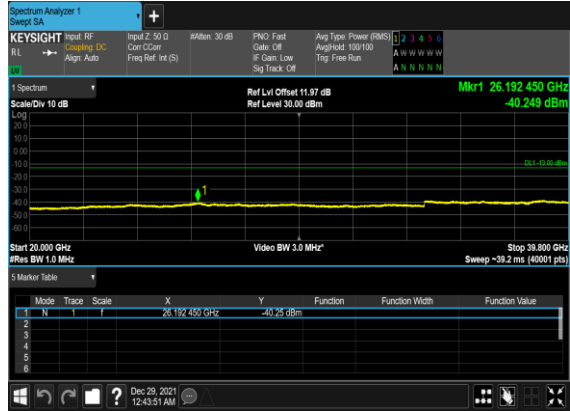
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



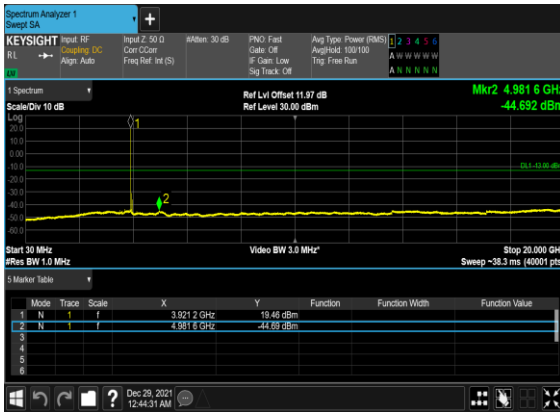
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



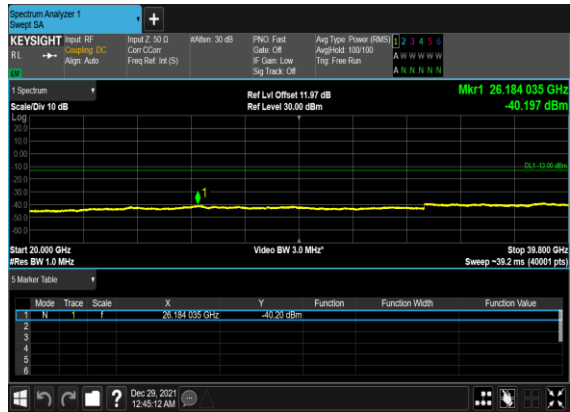
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



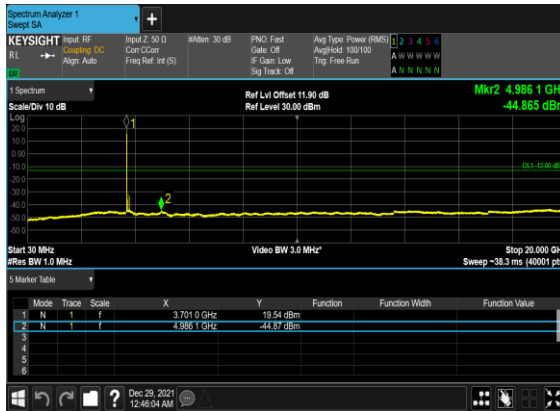
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



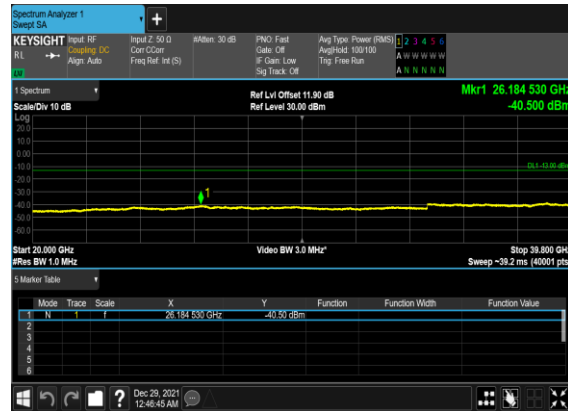
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



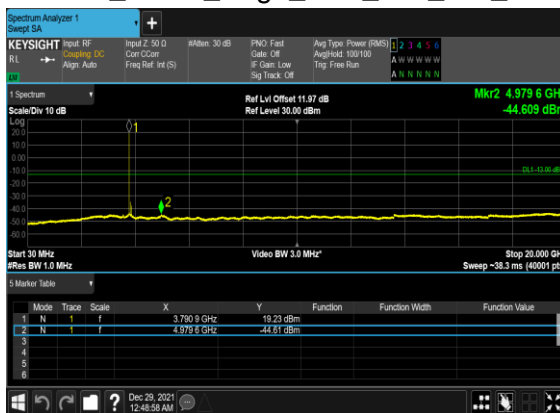
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



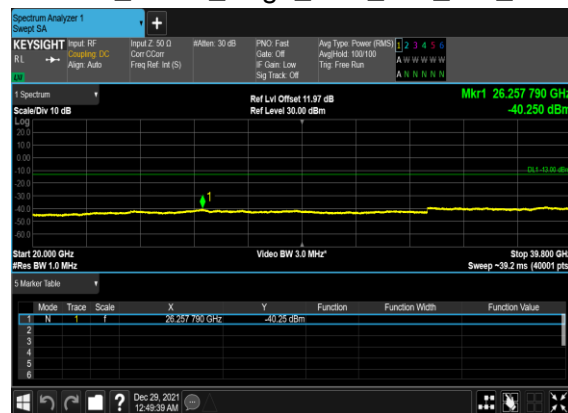
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



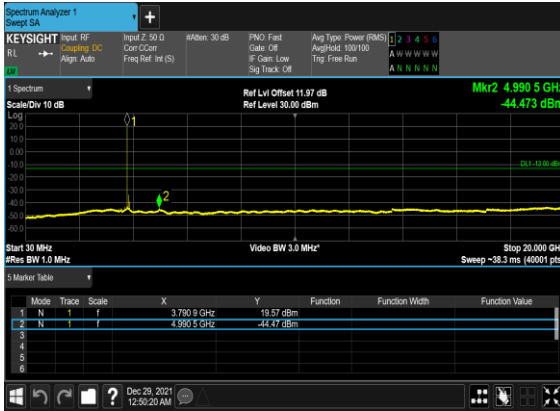
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



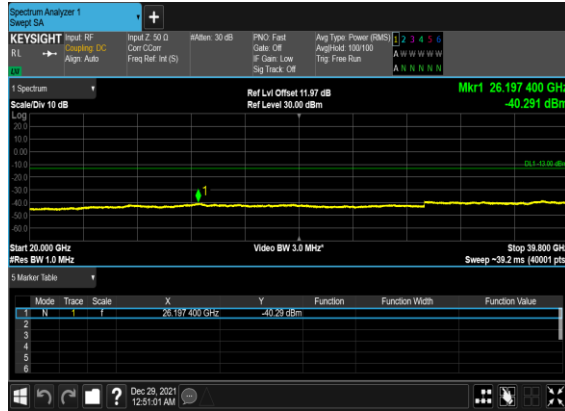
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



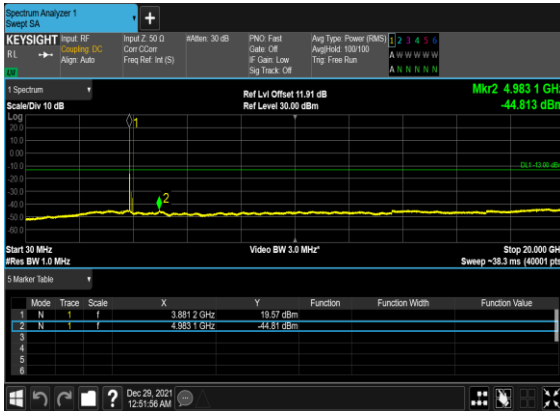
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



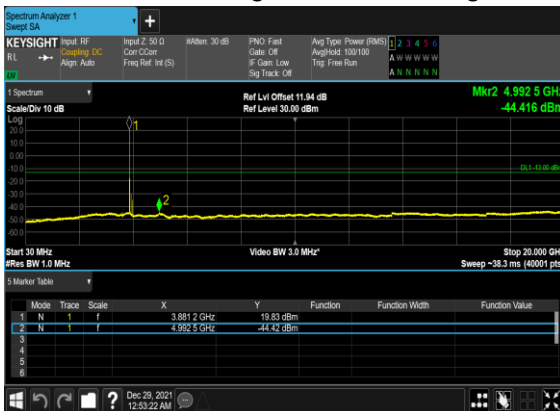
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



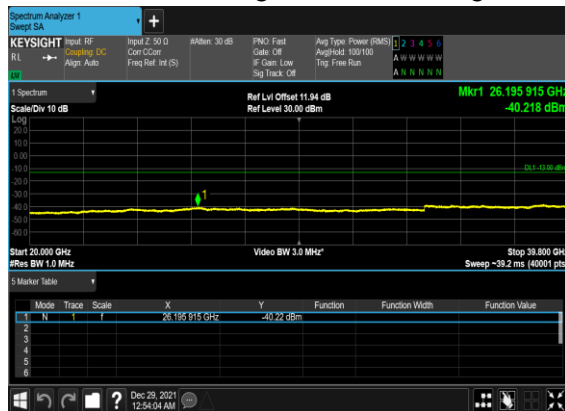
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

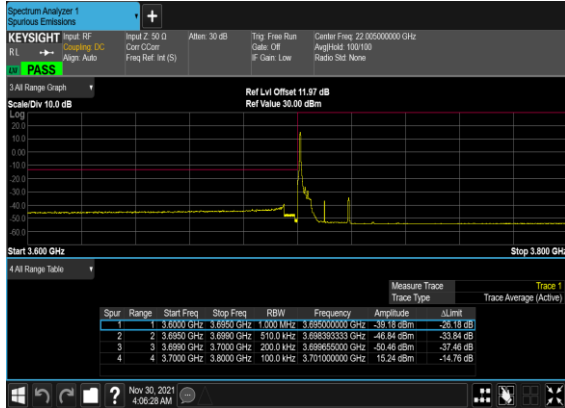


Conducted Band Edge

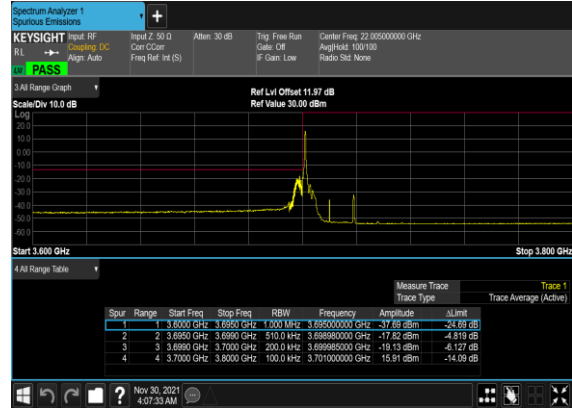
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	20	647334	3710.01	DFT-s-OFDM BPSK	50@0	see graph	PASS
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	50@0	see graph	PASS
77	30	20	664666	3969.99	DFT-s-OFDM BPSK	1@50	see graph	PASS
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@50	see graph	PASS
77	30	20	664666	3969.99	DFT-s-OFDM BPSK	50@0	see graph	PASS
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	50@0	see graph	PASS
77	30	60	648668	3730.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	60	648668	3730.02	DFT-s-OFDM BPSK	162@0	see graph	PASS
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	162@0	see graph	PASS
77	30	60	663332	3949.98	DFT-s-OFDM BPSK	1@161	see graph	PASS
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@161	see graph	PASS
77	30	60	663332	3949.98	DFT-s-OFDM BPSK	162@0	see graph	PASS
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	162@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	270@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@272	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@272	see graph	PASS

77	30	100	662000	3930.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	270@0	see graph	PASS

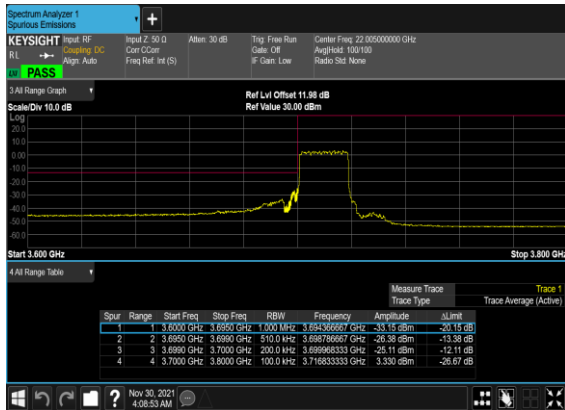
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



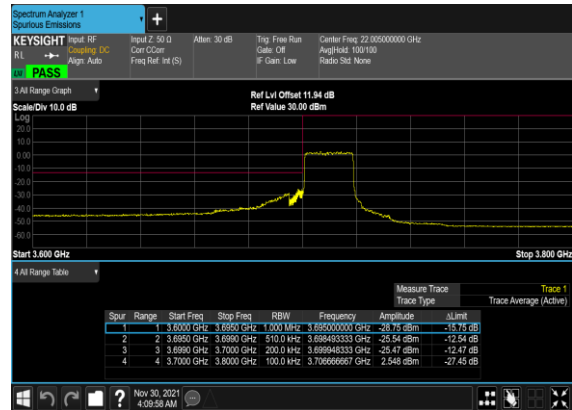
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



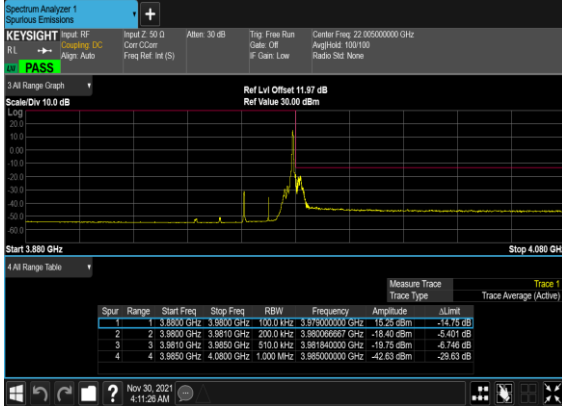
N77(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



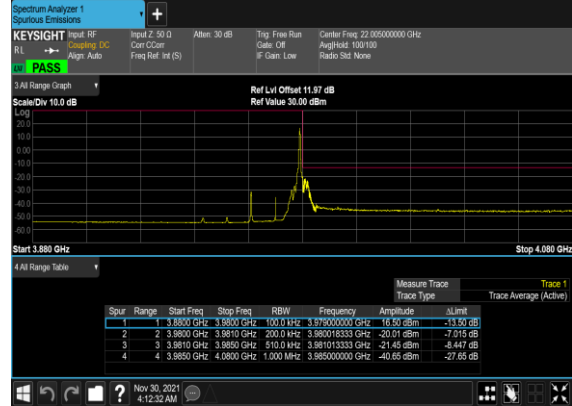
N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



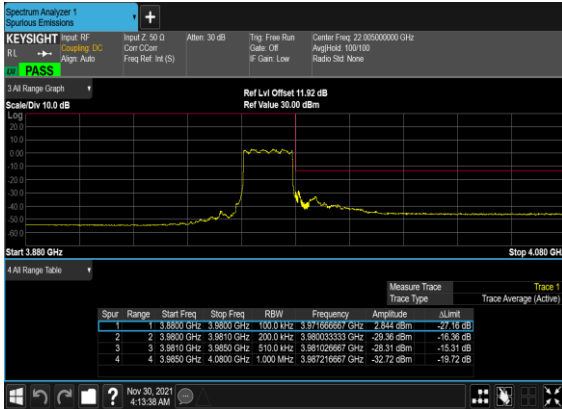
N77(20M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_High_CH



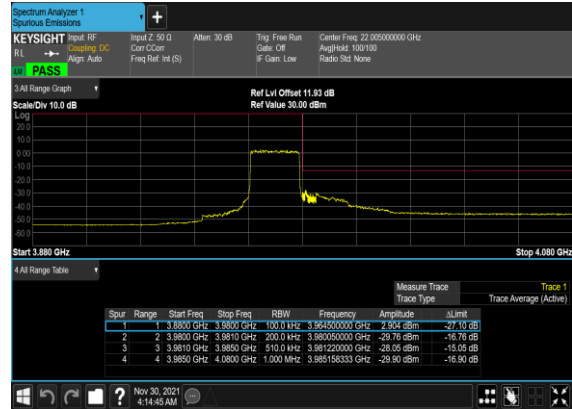
N77(20M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_High_CH



N77(20M)_DFT-s- OFDM_BPSK_Outer_Full_High_CH



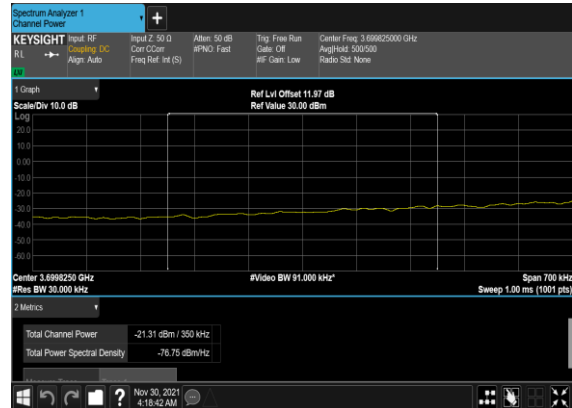
N77(20M)_DFT-s- OFDM_QPSK_Outer_Full_High_CH



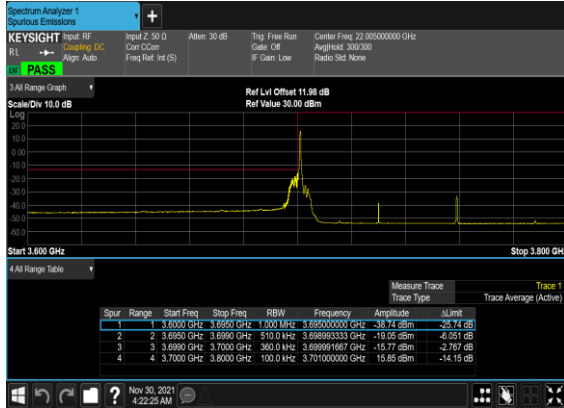
N77(60M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



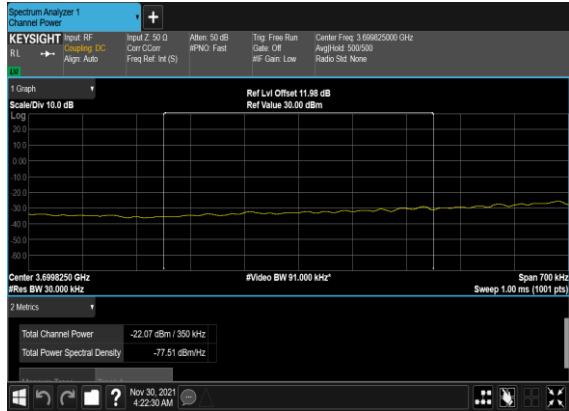
N77(60M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_



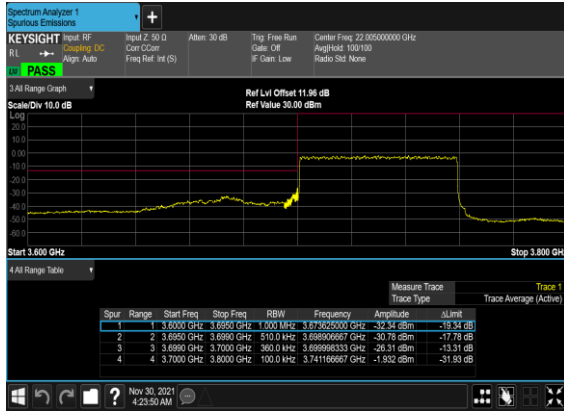
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



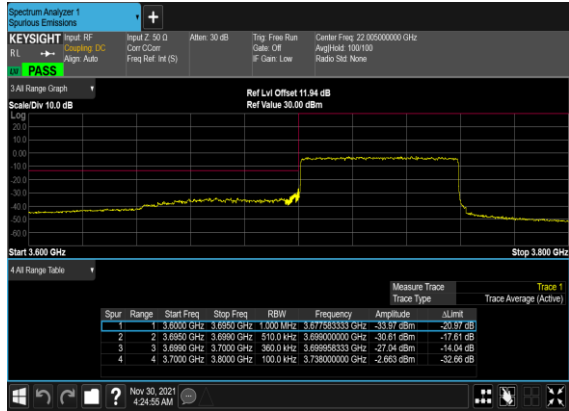
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS



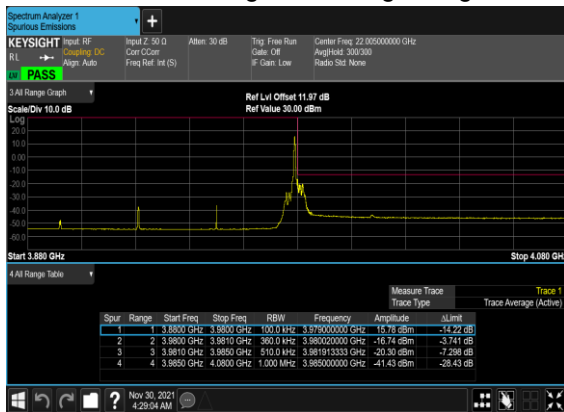
N77(60M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



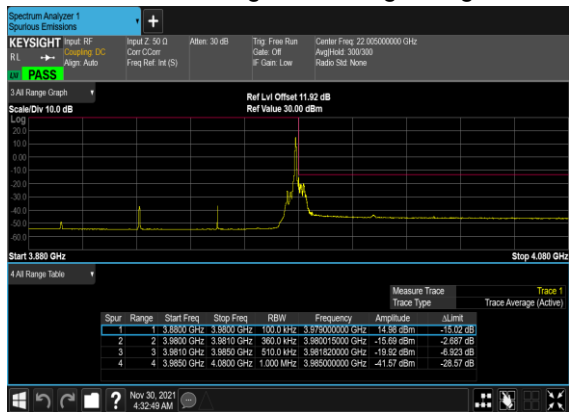
N77(60M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



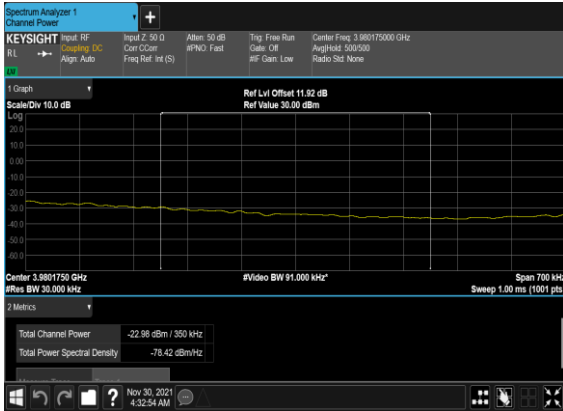
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH CH P_PASS



N77(60M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



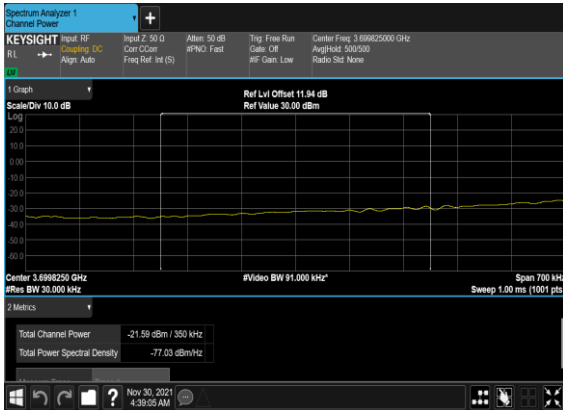
N77(60M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



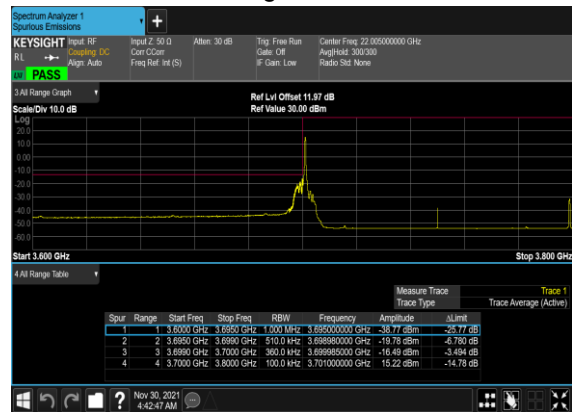
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_CH_P_PASS



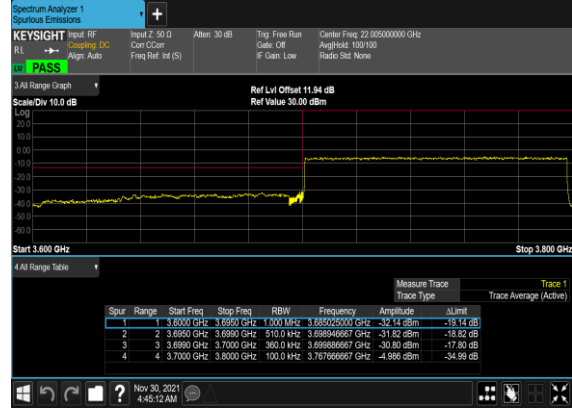
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



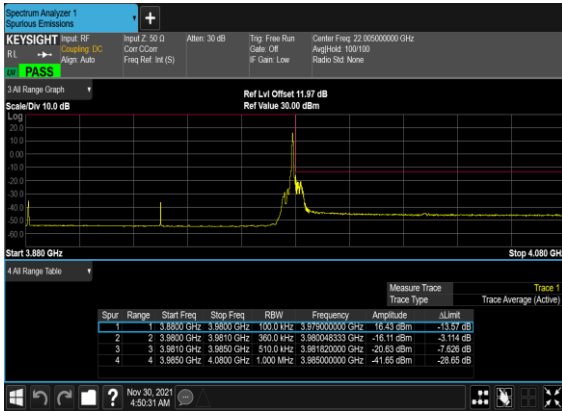
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



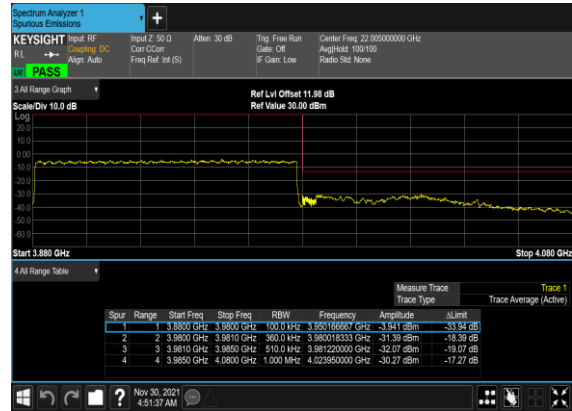
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_ch P_PASS



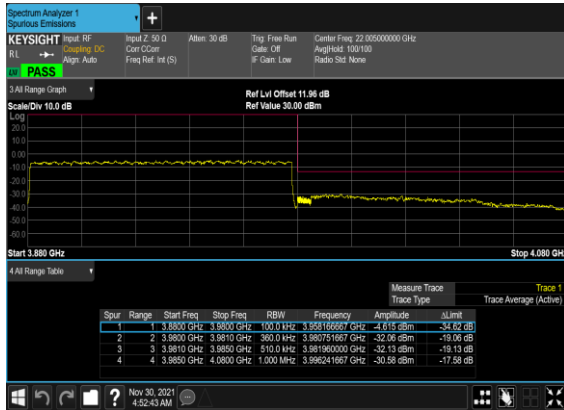
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



FR1 N78(ANT2)

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=-0.3dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	25@12	25.5	25.2	0.3311
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@1	25.46	25.16	0.3281
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@49	25.55	25.25	0.3350
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	25@12	25.53	25.23	0.3334
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	25.38	25.08	0.3221
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@49	25.47	25.17	0.3289
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	25@12	25.15	24.85	0.3055
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	25.28	24.98	0.3148
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@49	25.35	25.05	0.3199
78	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	25@12	23.63	23.33	0.2153
78	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	1@1	23.61	23.31	0.2143
78	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	1@49	23.7	23.4	0.2188
78	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	25@12	21.61	21.31	0.1352
78	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	1@1	21.49	21.19	0.1315
78	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	1@49	21.49	21.19	0.1315
78	30	20	647334	3710.01	CP-OFDM QPSK	25@12	24.67	24.37	0.2735
78	30	20	647334	3710.01	CP-OFDM QPSK	1@1	24.58	24.28	0.2679
78	30	20	647334	3710.01	CP-OFDM QPSK	1@49	24.62	24.32	0.2704
78	30	20	650000	3750	DFT-s-OFDM PI/2 BPSK	25@12	25.44	25.14	0.3266
78	30	20	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.4	25.1	0.3236
78	30	20	650000	3750	DFT-s-OFDM PI/2 BPSK	1@49	25.27	24.97	0.3141
78	30	20	650000	3750	DFT-s-OFDM QPSK	25@12	25.42	25.12	0.3251
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	25.34	25.04	0.3192
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@49	25.27	24.97	0.3141
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	25@12	25	24.7	0.2951
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.24	24.94	0.3119
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@49	25.07	24.77	0.2999
78	30	20	650000	3750	DFT-s-OFDM	25@12	23.5	23.2	0.2089

					64 QAM				
78	30	20	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.35	23.05	0.2018
78	30	20	650000	3750	DFT-s-OFDM 64 QAM	1@49	23.26	22.96	0.1977
78	30	20	650000	3750	DFT-s-OFDM 256 QAM	25@12	21.46	21.16	0.1306
78	30	20	650000	3750	DFT-s-OFDM 256 QAM	1@1	21.66	21.36	0.1368
78	30	20	650000	3750	DFT-s-OFDM 256 QAM	1@49	21.48	21.18	0.1312
78	30	20	650000	3750	CP-OFDM QPSK	25@12	24.52	24.22	0.2642
78	30	20	650000	3750	CP-OFDM QPSK	1@1	24.56	24.26	0.2667
78	30	20	650000	3750	CP-OFDM QPSK	1@49	24.42	24.12	0.2582
78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	25@12	25.18	24.88	0.3076
78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	1@1	25.33	25.03	0.3184
78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	1@49	25.31	25.01	0.3170
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	25@12	25.26	24.96	0.3133
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	25.33	25.03	0.3184
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@49	25.24	24.94	0.3119
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	25@12	24.91	24.61	0.2891
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	25.02	24.72	0.2965
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@49	25.23	24.93	0.3112
78	30	20	652666	3789.99	DFT-s-OFDM 64 QAM	25@12	23.34	23.04	0.2014
78	30	20	652666	3789.99	DFT-s-OFDM 64 QAM	1@1	23.27	22.97	0.1982
78	30	20	652666	3789.99	DFT-s-OFDM 64 QAM	1@49	23.32	23.02	0.2004
78	30	20	652666	3789.99	DFT-s-OFDM 256 QAM	25@12	21.36	21.06	0.1276
78	30	20	652666	3789.99	DFT-s-OFDM 256 QAM	1@1	21.46	21.16	0.1306
78	30	20	652666	3789.99	DFT-s-OFDM 256 QAM	1@49	21.33	21.03	0.1268
78	30	20	652666	3789.99	CP-OFDM QPSK	25@12	24.38	24.08	0.2559
78	30	20	652666	3789.99	CP-OFDM QPSK	1@1	24.54	24.24	0.2655
78	30	20	652666	3789.99	CP-OFDM QPSK	1@49	24.49	24.19	0.2624
78	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	36@18	25.54	25.24	0.3342
78	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@1	25.66	25.36	0.3436
78	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@76	25.33	25.03	0.3184
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	36@18	25.56	25.26	0.3357
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	25.55	25.25	0.3350
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@76	25.48	25.18	0.3296
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	36@18	25.14	24.84	0.3048

78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	25.37	25.07	0.3214
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@76	25.21	24.91	0.3097
78	30	30	647668	3715.02	DFT-s-OFDM 64 QAM	36@18	23.67	23.37	0.2173
78	30	30	647668	3715.02	DFT-s-OFDM 64 QAM	1@1	23.6	23.3	0.2138
78	30	30	647668	3715.02	DFT-s-OFDM 64 QAM	1@76	23.35	23.05	0.2018
78	30	30	647668	3715.02	DFT-s-OFDM 256 QAM	36@18	21.71	21.41	0.1384
78	30	30	647668	3715.02	DFT-s-OFDM 256 QAM	1@1	21.64	21.34	0.1361
78	30	30	647668	3715.02	DFT-s-OFDM 256 QAM	1@76	21.55	21.25	0.1334
78	30	30	647668	3715.02	CP-OFDM QPSK	39@19	24.68	24.38	0.2742
78	30	30	647668	3715.02	CP-OFDM QPSK	1@1	24.78	24.48	0.2805
78	30	30	647668	3715.02	CP-OFDM QPSK	1@76	24.59	24.29	0.2685
78	30	30	650000	3750	DFT-s-OFDM PI/2 BPSK	36@18	25.35	25.05	0.3199
78	30	30	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.53	25.23	0.3334
78	30	30	650000	3750	DFT-s-OFDM PI/2 BPSK	1@76	25.4	25.1	0.3236
78	30	30	650000	3750	DFT-s-OFDM QPSK	36@18	25.3	25	0.3162
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	25.42	25.12	0.3251
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@76	25.23	24.93	0.3112
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	36@18	24.91	24.61	0.2891
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.32	25.02	0.3177
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@76	25.12	24.82	0.3034
78	30	30	650000	3750	DFT-s-OFDM 64 QAM	36@18	23.46	23.16	0.2070
78	30	30	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.45	23.15	0.2065
78	30	30	650000	3750	DFT-s-OFDM 64 QAM	1@76	23.32	23.02	0.2004
78	30	30	650000	3750	DFT-s-OFDM 256 QAM	36@18	21.38	21.08	0.1282
78	30	30	650000	3750	DFT-s-OFDM 256 QAM	1@1	21.43	21.13	0.1297
78	30	30	650000	3750	DFT-s-OFDM 256 QAM	1@76	21.25	20.95	0.1245
78	30	30	650000	3750	CP-OFDM QPSK	39@19	24.46	24.16	0.2606
78	30	30	650000	3750	CP-OFDM QPSK	1@1	24.66	24.36	0.2729
78	30	30	650000	3750	CP-OFDM QPSK	1@76	24.31	24.01	0.2518
78	30	30	652332	3784.98	DFT-s-OFDM PI/2 BPSK	36@18	25.32	25.02	0.3177
78	30	30	652332	3784.98	DFT-s-OFDM PI/2 BPSK	1@1	25.38	25.08	0.3221
78	30	30	652332	3784.98	DFT-s-OFDM PI/2 BPSK	1@76	25.3	25	0.3162
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	36@18	25.29	24.99	0.3155
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	25.38	25.08	0.3221

78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@76	25.32	25.02	0.3177
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	36@18	24.92	24.62	0.2897
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	25.25	24.95	0.3126
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@76	25.21	24.91	0.3097
78	30	30	652332	3784.98	DFT-s-OFDM 64 QAM	36@18	23.41	23.11	0.2046
78	30	30	652332	3784.98	DFT-s-OFDM 64 QAM	1@1	23.27	22.97	0.1982
78	30	30	652332	3784.98	DFT-s-OFDM 64 QAM	1@76	23.23	22.93	0.1963
78	30	30	652332	3784.98	DFT-s-OFDM 256 QAM	36@18	21.38	21.08	0.1282
78	30	30	652332	3784.98	DFT-s-OFDM 256 QAM	1@1	21.33	21.03	0.1268
78	30	30	652332	3784.98	DFT-s-OFDM 256 QAM	1@76	21.28	20.98	0.1253
78	30	30	652332	3784.98	CP-OFDM QPSK	39@19	24.34	24.04	0.2535
78	30	30	652332	3784.98	CP-OFDM QPSK	1@1	24.55	24.25	0.2661
78	30	30	652332	3784.98	CP-OFDM QPSK	1@76	24.47	24.17	0.2612
78	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	50@25	25.59	25.29	0.3381
78	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@1	25.7	25.4	0.3467
78	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@104	25.37	25.07	0.3214
78	30	40	648000	3720	DFT-s-OFDM QPSK	50@25	25.5	25.2	0.3311
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	25.66	25.36	0.3436
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@104	25.46	25.16	0.3281
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	50@25	25.1	24.8	0.3020
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	25.54	25.24	0.3342
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@104	25.4	25.1	0.3236
78	30	40	648000	3720	DFT-s-OFDM 64 QAM	50@25	23.56	23.26	0.2118
78	30	40	648000	3720	DFT-s-OFDM 64 QAM	1@1	23.67	23.37	0.2173
78	30	40	648000	3720	DFT-s-OFDM 64 QAM	1@104	23.45	23.15	0.2065
78	30	40	648000	3720	DFT-s-OFDM 256 QAM	50@25	21.64	21.34	0.1361
78	30	40	648000	3720	DFT-s-OFDM 256 QAM	1@1	21.66	21.36	0.1368
78	30	40	648000	3720	DFT-s-OFDM 256 QAM	1@104	21.7	21.4	0.1380
78	30	40	648000	3720	CP-OFDM QPSK	53@26	24.7	24.4	0.2754
78	30	40	648000	3720	CP-OFDM QPSK	1@1	24.87	24.57	0.2864
78	30	40	648000	3720	CP-OFDM QPSK	1@104	24.68	24.38	0.2742
78	30	40	650000	3750	DFT-s-OFDM PI/2 BPSK	50@25	25.46	25.16	0.3281
78	30	40	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.62	25.32	0.3404
78	30	40	650000	3750	DFT-s-OFDM PI/2 BPSK	1@104	25.58	25.28	0.3373

78	30	40	650000	3750	DFT-s-OFDM QPSK	50@25	25.39	25.09	0.3228
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	25.54	25.24	0.3342
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@104	25.46	25.16	0.3281
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	50@25	24.99	24.69	0.2944
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.37	25.07	0.3214
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@104	25.24	24.94	0.3119
78	30	40	650000	3750	DFT-s-OFDM 64 QAM	50@25	23.55	23.25	0.2113
78	30	40	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.58	23.28	0.2128
78	30	40	650000	3750	DFT-s-OFDM 64 QAM	1@104	23.4	23.1	0.2042
78	30	40	650000	3750	DFT-s-OFDM 256 QAM	50@25	21.51	21.21	0.1321
78	30	40	650000	3750	DFT-s-OFDM 256 QAM	1@1	21.66	21.36	0.1368
78	30	40	650000	3750	DFT-s-OFDM 256 QAM	1@104	21.52	21.22	0.1324
78	30	40	650000	3750	CP-OFDM QPSK	53@26	24.52	24.22	0.2642
78	30	40	650000	3750	CP-OFDM QPSK	1@1	24.85	24.55	0.2851
78	30	40	650000	3750	CP-OFDM QPSK	1@104	24.6	24.3	0.2692
78	30	40	652000	3780	DFT-s-OFDM PI/2 BPSK	50@25	25.42	25.12	0.3251
78	30	40	652000	3780	DFT-s-OFDM PI/2 BPSK	1@1	26.13	25.83	0.3828
78	30	40	652000	3780	DFT-s-OFDM PI/2 BPSK	1@104	25.66	25.36	0.3436
78	30	40	652000	3780	DFT-s-OFDM QPSK	50@25	25.38	25.08	0.3221
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	25.47	25.17	0.3289
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@104	25.49	25.19	0.3304
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	50@25	24.96	24.66	0.2924
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	25.25	24.95	0.3126
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@104	25.24	24.94	0.3119
78	30	40	652000	3780	DFT-s-OFDM 64 QAM	50@25	23.56	23.26	0.2118
78	30	40	652000	3780	DFT-s-OFDM 64 QAM	1@1	23.15	22.85	0.1928
78	30	40	652000	3780	DFT-s-OFDM 64 QAM	1@104	23.67	23.37	0.2173
78	30	40	652000	3780	DFT-s-OFDM 256 QAM	50@25	21.46	21.16	0.1306
78	30	40	652000	3780	DFT-s-OFDM 256 QAM	1@1	21.5	21.2	0.1318
78	30	40	652000	3780	DFT-s-OFDM 256 QAM	1@104	21.47	21.17	0.1309
78	30	40	652000	3780	CP-OFDM QPSK	53@26	24.49	24.19	0.2624
78	30	40	652000	3780	CP-OFDM QPSK	1@1	24.57	24.27	0.2673
78	30	40	652000	3780	CP-OFDM QPSK	1@104	24.58	24.28	0.2679
78	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	64@32	25.32	25.02	0.3177

78	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@1	25.4	25.1	0.3236
78	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@131	25.3	25	0.3162
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	64@32	25.48	25.18	0.3296
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	25.39	25.09	0.3228
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@131	25.17	24.87	0.3069
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	64@32	25.02	24.72	0.2965
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	25.25	24.95	0.3126
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@131	25	24.7	0.2951
78	30	50	648334	3725.01	DFT-s-OFDM 64 QAM	64@32	23.42	23.12	0.2051
78	30	50	648334	3725.01	DFT-s-OFDM 64 QAM	1@1	23.16	22.86	0.1932
78	30	50	648334	3725.01	DFT-s-OFDM 64 QAM	1@131	23.33	23.03	0.2009
78	30	50	648334	3725.01	DFT-s-OFDM 256 QAM	64@32	21.37	21.07	0.1279
78	30	50	648334	3725.01	DFT-s-OFDM 256 QAM	1@1	21.41	21.11	0.1291
78	30	50	648334	3725.01	DFT-s-OFDM 256 QAM	1@131	21.21	20.91	0.1233
78	30	50	648334	3725.01	CP-OFDM QPSK	67@33	24.44	24.14	0.2594
78	30	50	648334	3725.01	CP-OFDM QPSK	1@1	24.56	24.26	0.2667
78	30	50	648334	3725.01	CP-OFDM QPSK	1@131	24.31	24.01	0.2518
78	30	50	650000	3750	DFT-s-OFDM PI/2 BPSK	64@32	25.22	24.92	0.3105
78	30	50	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.37	25.07	0.3214
78	30	50	650000	3750	DFT-s-OFDM PI/2 BPSK	1@131	25.18	24.88	0.3076
78	30	50	650000	3750	DFT-s-OFDM QPSK	64@32	25.3	25	0.3162
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	25.34	25.04	0.3192
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@131	25.12	24.82	0.3034
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	64@32	24.93	24.63	0.2904
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.2	24.9	0.3090
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@131	24.97	24.67	0.2931
78	30	50	650000	3750	DFT-s-OFDM 64 QAM	64@32	23.38	23.08	0.2032
78	30	50	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.29	22.99	0.1991
78	30	50	650000	3750	DFT-s-OFDM 64 QAM	1@131	23.05	22.75	0.1884
78	30	50	650000	3750	DFT-s-OFDM 256 QAM	64@32	21.37	21.07	0.1279
78	30	50	650000	3750	DFT-s-OFDM 256 QAM	1@1	21.35	21.05	0.1274
78	30	50	650000	3750	DFT-s-OFDM 256 QAM	1@131	21.12	20.82	0.1208
78	30	50	650000	3750	CP-OFDM QPSK	67@33	24.37	24.07	0.2553
78	30	50	650000	3750	CP-OFDM QPSK	1@1	24.45	24.15	0.2600

78	30	50	650000	3750	CP-OFDM QPSK	1@131	24.27	23.97	0.2495
78	30	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	64@32	25.09	24.79	0.3013
78	30	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	1@1	25.16	24.86	0.3062
78	30	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	1@131	25.06	24.76	0.2992
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	64@32	25.19	24.89	0.3083
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	25.11	24.81	0.3027
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@131	25.02	24.72	0.2965
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	64@32	24.78	24.48	0.2805
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	24.9	24.6	0.2884
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@131	24.72	24.42	0.2767
78	30	50	651666	3774.99	DFT-s-OFDM 64 QAM	64@32	23.27	22.97	0.1982
78	30	50	651666	3774.99	DFT-s-OFDM 64 QAM	1@1	23.31	23.01	0.2000
78	30	50	651666	3774.99	DFT-s-OFDM 64 QAM	1@131	23.31	23.01	0.2000
78	30	50	651666	3774.99	DFT-s-OFDM 256 QAM	64@32	21.2	20.9	0.1230
78	30	50	651666	3774.99	DFT-s-OFDM 256 QAM	1@1	21.2	20.9	0.1230
78	30	50	651666	3774.99	DFT-s-OFDM 256 QAM	1@131	21.11	20.81	0.1205
78	30	50	651666	3774.99	CP-OFDM QPSK	67@33	24.3	24	0.2512
78	30	50	651666	3774.99	CP-OFDM QPSK	1@1	24.28	23.98	0.2500
78	30	50	651666	3774.99	CP-OFDM QPSK	1@131	24.22	23.92	0.2466
78	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	81@40	25.38	25.08	0.3221
78	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@1	25.39	25.09	0.3228
78	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@160	25.12	24.82	0.3034
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	81@40	25.39	25.09	0.3228
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	25.38	25.08	0.3221
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@160	25.08	24.78	0.3006
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	81@40	24.95	24.65	0.2917
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	25.13	24.83	0.3041
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@160	24.93	24.63	0.2904
78	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	81@40	23.43	23.13	0.2056
78	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	1@1	23.24	22.94	0.1968
78	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	1@160	23.06	22.76	0.1888
78	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	81@40	21.53	21.23	0.1327
78	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	1@1	21.35	21.05	0.1274
78	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	1@160	21.08	20.78	0.1197

78	30	60	648668	3730.02	CP-OFDM QPSK	81@40	24.47	24.17	0.2612
78	30	60	648668	3730.02	CP-OFDM QPSK	1@1	24.56	24.26	0.2667
78	30	60	648668	3730.02	CP-OFDM QPSK	1@160	24.33	24.03	0.2529
78	30	60	650000	3750	DFT-s-OFDM PI/2 BPSK	81@40	25.16	24.86	0.3062
78	30	60	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.28	24.98	0.3148
78	30	60	650000	3750	DFT-s-OFDM PI/2 BPSK	1@160	25.21	24.91	0.3097
78	30	60	650000	3750	DFT-s-OFDM QPSK	81@40	25.29	24.99	0.3155
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	25.22	24.92	0.3105
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@160	25.22	24.92	0.3105
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	81@40	24.95	24.65	0.2917
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.17	24.87	0.3069
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@160	25.06	24.76	0.2992
78	30	60	650000	3750	DFT-s-OFDM 64 QAM	81@40	23.4	23.1	0.2042
78	30	60	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.4	23.1	0.2042
78	30	60	650000	3750	DFT-s-OFDM 64 QAM	1@160	23.13	22.83	0.1919
78	30	60	650000	3750	DFT-s-OFDM 256 QAM	81@40	21.36	21.06	0.1276
78	30	60	650000	3750	DFT-s-OFDM 256 QAM	1@1	21.28	20.98	0.1253
78	30	60	650000	3750	DFT-s-OFDM 256 QAM	1@160	21.24	20.94	0.1242
78	30	60	650000	3750	CP-OFDM QPSK	81@40	24.38	24.08	0.2559
78	30	60	650000	3750	CP-OFDM QPSK	1@1	24.43	24.13	0.2588
78	30	60	650000	3750	CP-OFDM QPSK	1@160	24.38	24.08	0.2559
78	30	60	651332	3769.98	DFT-s-OFDM PI/2 BPSK	81@40	25.2	24.9	0.3090
78	30	60	651332	3769.98	DFT-s-OFDM PI/2 BPSK	1@1	25.84	25.54	0.3581
78	30	60	651332	3769.98	DFT-s-OFDM PI/2 BPSK	1@160	25.07	24.77	0.2999
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	81@40	25.14	24.84	0.3048
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	25.22	24.92	0.3105
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@160	25.09	24.79	0.3013
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	81@40	24.82	24.52	0.2831
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	25.04	24.74	0.2979
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@160	25	24.7	0.2951
78	30	60	651332	3769.98	DFT-s-OFDM 64 QAM	81@40	23.29	22.99	0.1991
78	30	60	651332	3769.98	DFT-s-OFDM 64 QAM	1@1	22.97	22.67	0.1849
78	30	60	651332	3769.98	DFT-s-OFDM 64 QAM	1@160	22.89	22.59	0.1816
78	30	60	651332	3769.98	DFT-s-OFDM 256 QAM	81@40	21.32	21.02	0.1265

78	30	60	651332	3769.98	DFT-s-OFDM 256 QAM	1@1	21.24	20.94	0.1242
78	30	60	651332	3769.98	DFT-s-OFDM 256 QAM	1@160	21.21	20.91	0.1233
78	30	60	651332	3769.98	CP-OFDM QPSK	81@40	24.37	24.07	0.2553
78	30	60	651332	3769.98	CP-OFDM QPSK	1@1	24.48	24.18	0.2618
78	30	60	651332	3769.98	CP-OFDM QPSK	1@160	24.3	24	0.2512
78	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	90@45	25.25	24.95	0.3126
78	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	1@1	25.35	25.05	0.3199
78	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	1@187	24.95	24.65	0.2917
78	30	70	649000	3735	DFT-s-OFDM QPSK	90@45	25.28	24.98	0.3148
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	25.43	25.13	0.3258
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@187	25.06	24.76	0.2992
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	90@45	24.89	24.59	0.2877
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	25.09	24.79	0.3013
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@187	24.73	24.43	0.2773
78	30	70	649000	3735	DFT-s-OFDM 64 QAM	90@45	23.39	23.09	0.2037
78	30	70	649000	3735	DFT-s-OFDM 64 QAM	1@1	23.28	22.98	0.1986
78	30	70	649000	3735	DFT-s-OFDM 64 QAM	1@187	22.88	22.58	0.1811
78	30	70	649000	3735	DFT-s-OFDM 256 QAM	90@45	21.3	21	0.1259
78	30	70	649000	3735	DFT-s-OFDM 256 QAM	1@1	21.22	20.92	0.1236
78	30	70	649000	3735	DFT-s-OFDM 256 QAM	1@187	21.05	20.75	0.1189
78	30	70	649000	3735	CP-OFDM QPSK	95@47	24.39	24.09	0.2564
78	30	70	649000	3735	CP-OFDM QPSK	1@1	24.43	24.13	0.2588
78	30	70	649000	3735	CP-OFDM QPSK	1@187	24.11	23.81	0.2404
78	30	70	650000	3735	DFT-s-OFDM PI/2 BPSK	90@45	25.25	24.95	0.3126
78	30	70	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.29	24.99	0.3155
78	30	70	650000	3750	DFT-s-OFDM PI/2 BPSK	1@187	25.04	24.74	0.2979
78	30	70	650000	3750	DFT-s-OFDM QPSK	90@45	25.19	24.89	0.3083
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@1	25.25	24.95	0.3126
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@187	24.98	24.68	0.2938
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	90@45	24.8	24.5	0.2818
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	25	24.7	0.2951
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@187	24.92	24.62	0.2897
78	30	70	650000	3750	DFT-s-OFDM 64 QAM	90@45	23.3	23	0.1995
78	30	70	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.1	22.8	0.1905

78	30	70	650000	3750	DFT-s-OFDM 64 QAM	1@187	22.93	22.63	0.1832
78	30	70	650000	3750	DFT-s-OFDM 256 QAM	90@45	21.32	21.02	0.1265
78	30	70	650000	3750	DFT-s-OFDM 256 QAM	1@1	21.4	21.1	0.1288
78	30	70	650000	3750	DFT-s-OFDM 256 QAM	1@187	20.96	20.66	0.1164
78	30	70	650000	3750	CP-OFDM QPSK	95@47	24.29	23.99	0.2506
78	30	70	650000	3750	CP-OFDM QPSK	1@1	24.36	24.06	0.2547
78	30	70	650000	3750	CP-OFDM QPSK	1@187	24.26	23.96	0.2489
78	30	70	651000	3765	DFT-s-OFDM PI/2 BPSK	90@45	25.12	24.82	0.3034
78	30	70	651000	3765	DFT-s-OFDM PI/2 BPSK	1@1	25.18	24.88	0.3076
78	30	70	651000	3765	DFT-s-OFDM PI/2 BPSK	1@187	25.03	24.73	0.2972
78	30	70	651000	3765	DFT-s-OFDM QPSK	90@45	25.08	24.78	0.3006
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@1	25.3	25	0.3162
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@187	25.01	24.71	0.2958
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	90@45	24.73	24.43	0.2773
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@1	25.05	24.75	0.2985
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@187	24.81	24.51	0.2825
78	30	70	651000	3765	DFT-s-OFDM 64 QAM	90@45	23.27	22.97	0.1982
78	30	70	651000	3765	DFT-s-OFDM 64 QAM	1@1	23.1	22.8	0.1905
78	30	70	651000	3765	DFT-s-OFDM 64 QAM	1@187	22.95	22.65	0.1841
78	30	70	651000	3765	DFT-s-OFDM 256 QAM	90@45	21.2	20.9	0.1230
78	30	70	651000	3765	DFT-s-OFDM 256 QAM	1@1	21.22	20.92	0.1236
78	30	70	651000	3765	DFT-s-OFDM 256 QAM	1@187	21.15	20.85	0.1216
78	30	70	651000	3765	CP-OFDM QPSK	95@47	24.23	23.93	0.2472
78	30	70	651000	3765	CP-OFDM QPSK	1@1	24.4	24.1	0.2570
78	30	70	651000	3765	CP-OFDM QPSK	1@187	24.21	23.91	0.2460
78	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	108@54	25.21	24.91	0.3097
78	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@1	25.29	24.99	0.3155
78	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@215	25.22	24.92	0.3105
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	108@54	25.22	24.92	0.3105
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	25.3	25	0.3162
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@215	25.1	24.8	0.3020
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	108@54	24.84	24.54	0.2844
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	25.17	24.87	0.3069
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@215	24.9	24.6	0.2884

78	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	108@54	23.3	23	0.1995
78	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	1@1	23.15	22.85	0.1928
78	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	1@215	22.97	22.67	0.1849
78	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	108@54	21.36	21.06	0.1276
78	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	1@1	21.29	20.99	0.1256
78	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	1@215	21.02	20.72	0.1180
78	30	80	649334	3740.01	CP-OFDM QPSK	109@54	24.27	23.97	0.2495
78	30	80	649334	3740.01	CP-OFDM QPSK	1@1	24.4	24.1	0.2570
78	30	80	649334	3740.01	CP-OFDM QPSK	1@215	24.08	23.78	0.2388
78	30	80	650000	3750	DFT-s-OFDM PI/2 BPSK	108@54	25.18	24.88	0.3076
78	30	80	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.41	25.11	0.3243
78	30	80	650000	3750	DFT-s-OFDM PI/2 BPSK	1@215	25.31	25.01	0.3170
78	30	80	650000	3750	DFT-s-OFDM QPSK	108@54	25.2	24.9	0.3090
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@1	25.34	25.04	0.3192
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@215	24.94	24.64	0.2911
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	108@54	24.83	24.53	0.2838
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.18	24.88	0.3076
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@215	24.8	24.5	0.2818
78	30	80	650000	3750	DFT-s-OFDM 64 QAM	108@54	23.39	23.09	0.2037
78	30	80	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.29	22.99	0.1991
78	30	80	650000	3750	DFT-s-OFDM 64 QAM	1@215	22.94	22.64	0.1837
78	30	80	650000	3750	DFT-s-OFDM 256 QAM	108@54	21.26	20.96	0.1247
78	30	80	650000	3750	DFT-s-OFDM 256 QAM	1@1	21.25	20.95	0.1245
78	30	80	650000	3750	DFT-s-OFDM 256 QAM	1@215	21.11	20.81	0.1205
78	30	80	650000	3750	CP-OFDM QPSK	109@54	24.28	23.98	0.2500
78	30	80	650000	3750	CP-OFDM QPSK	1@1	24.48	24.18	0.2618
78	30	80	650000	3750	CP-OFDM QPSK	1@215	23.99	23.69	0.2339
78	30	80	650666	3759.99	DFT-s-OFDM PI/2 BPSK	108@54	25.16	24.86	0.3062
78	30	80	650666	3759.99	DFT-s-OFDM PI/2 BPSK	1@1	25.23	24.93	0.3112
78	30	80	650666	3759.99	DFT-s-OFDM PI/2 BPSK	1@215	25.15	24.85	0.3055
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	108@54	25.11	24.81	0.3027
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	25.32	25.02	0.3177
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@215	24.99	24.69	0.2944
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	108@54	24.73	24.43	0.2773

78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	25.11	24.81	0.3027
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@215	24.84	24.54	0.2844
78	30	80	650666	3759.99	DFT-s-OFDM 64 QAM	108@54	23.29	22.99	0.1991
78	30	80	650666	3759.99	DFT-s-OFDM 64 QAM	1@1	23.23	22.93	0.1963
78	30	80	650666	3759.99	DFT-s-OFDM 64 QAM	1@215	22.93	22.63	0.1832
78	30	80	650666	3759.99	DFT-s-OFDM 256 QAM	108@54	21.23	20.93	0.1239
78	30	80	650666	3759.99	DFT-s-OFDM 256 QAM	1@1	21.38	21.08	0.1282
78	30	80	650666	3759.99	DFT-s-OFDM 256 QAM	1@215	20.92	20.62	0.1153
78	30	80	650666	3759.99	CP-OFDM QPSK	109@54	24.18	23.88	0.2443
78	30	80	650666	3759.99	CP-OFDM QPSK	1@1	24.48	24.18	0.2618
78	30	80	650666	3759.99	CP-OFDM QPSK	1@215	24.13	23.83	0.2415
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	120@60	25.11	24.81	0.3027
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@1	25.28	24.98	0.3148
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@243	24.99	24.69	0.2944
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	120@60	25.27	24.97	0.3141
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	25.23	24.93	0.3112
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@243	25.01	24.71	0.2958
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	120@60	24.87	24.57	0.2864
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	25.1	24.8	0.3020
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@243	24.84	24.54	0.2844
78	30	90	649668	3745.02	DFT-s-OFDM 64 QAM	120@60	23.38	23.08	0.2032
78	30	90	649668	3745.02	DFT-s-OFDM 64 QAM	1@1	23.31	23.01	0.2000
78	30	90	649668	3745.02	DFT-s-OFDM 64 QAM	1@243	23.03	22.73	0.1875
78	30	90	649668	3745.02	DFT-s-OFDM 256 QAM	120@60	21.33	21.03	0.1268
78	30	90	649668	3745.02	DFT-s-OFDM 256 QAM	1@1	21.19	20.89	0.1227
78	30	90	649668	3745.02	DFT-s-OFDM 256 QAM	1@243	21.17	20.87	0.1222
78	30	90	649668	3745.02	CP-OFDM QPSK	123@61	24.31	24.01	0.2518
78	30	90	649668	3745.02	CP-OFDM QPSK	1@1	24.5	24.2	0.2630
78	30	90	649668	3745.02	CP-OFDM QPSK	1@243	24.12	23.82	0.2410
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	120@60	25.07	24.77	0.2999
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.26	24.96	0.3133
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	1@243	25	24.7	0.2951
78	30	90	650000	3750	DFT-s-OFDM QPSK	120@60	25.14	24.84	0.3048
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	25.26	24.96	0.3133

78	30	90	650000	3750	DFT-s-OFDM QPSK	1@243	24.98	24.68	0.2938
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	120@60	24.74	24.44	0.2780
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.19	24.89	0.3083
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@243	24.92	24.62	0.2897
78	30	90	650000	3750	DFT-s-OFDM 64 QAM	120@60	23.21	22.91	0.1954
78	30	90	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.19	22.89	0.1945
78	30	90	650000	3750	DFT-s-OFDM 64 QAM	1@243	22.87	22.57	0.1807
78	30	90	650000	3750	DFT-s-OFDM 256 QAM	120@60	21.25	20.95	0.1245
78	30	90	650000	3750	DFT-s-OFDM 256 QAM	1@1	21.3	21	0.1259
78	30	90	650000	3750	DFT-s-OFDM 256 QAM	1@243	21.03	20.73	0.1183
78	30	90	650000	3750	CP-OFDM QPSK	123@61	24.25	23.95	0.2483
78	30	90	650000	3750	CP-OFDM QPSK	1@1	24.52	24.22	0.2642
78	30	90	650000	3750	CP-OFDM QPSK	1@243	24.15	23.85	0.2427
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	120@60	25.09	24.79	0.3013
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	1@1	25.38	25.08	0.3221
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	1@243	25.1	24.8	0.3020
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	120@60	25.09	24.79	0.3013
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	25.22	24.92	0.3105
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@243	25.03	24.73	0.2972
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	120@60	24.64	24.34	0.2716
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	25.14	24.84	0.3048
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@243	24.82	24.52	0.2831
78	30	90	650332	3754.98	DFT-s-OFDM 64 QAM	120@60	23.14	22.84	0.1923
78	30	90	650332	3754.98	DFT-s-OFDM 64 QAM	1@1	23.45	23.15	0.2065
78	30	90	650332	3754.98	DFT-s-OFDM 64 QAM	1@243	23.18	22.88	0.1941
78	30	90	650332	3754.98	DFT-s-OFDM 256 QAM	120@60	21.2	20.9	0.1230
78	30	90	650332	3754.98	DFT-s-OFDM 256 QAM	1@1	21.42	21.12	0.1294
78	30	90	650332	3754.98	DFT-s-OFDM 256 QAM	1@243	21.09	20.79	0.1199
78	30	90	650332	3754.98	CP-OFDM QPSK	123@61	24.28	23.98	0.2500
78	30	90	650332	3754.98	CP-OFDM QPSK	1@1	24.52	24.22	0.2642
78	30	90	650332	3754.98	CP-OFDM QPSK	1@243	24.12	23.82	0.2410
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	25.19	24.89	0.3083
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.24	24.94	0.3119
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	25.09	24.79	0.3013

78	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	25.13	24.83	0.3041
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	25.25	24.95	0.3126
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	25.08	24.78	0.3006
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	24.72	24.42	0.2767
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.09	24.79	0.3013
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	24.9	24.6	0.2884
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	23.28	22.98	0.1986
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.23	22.93	0.1963
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	22.99	22.69	0.1858
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	21.25	20.95	0.1245
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	21.26	20.96	0.1247
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	21.1	20.8	0.1202
78	30	100	650000	3750	CP-OFDM QPSK	137@68	24.22	23.92	0.2466
78	30	100	650000	3750	CP-OFDM QPSK	1@1	24.44	24.14	0.2594
78	30	100	650000	3750	CP-OFDM QPSK	1@271	24.19	23.89	0.2449

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Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)= 2.76dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	ANT2 Power(dBm)	ANT7 Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	25@12	21.78	21.95	24.88	27.64	0.5802
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@1	21.75	21.87	24.82	27.58	0.5729
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@49	21.65	21.82	24.75	27.51	0.5631
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	25@12	21.83	22.01	24.93	27.69	0.5877
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	21.67	21.86	24.78	27.54	0.5671
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@49	21.59	21.82	24.72	27.48	0.5593
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	25@12	21.48	21.65	24.58	27.34	0.5415
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	21.13	21.3	24.23	26.99	0.4996
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@49	21.06	21.33	24.21	26.97	0.4974
78	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	25@12	19.97	20.07	23.03	25.79	0.3794
78	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	1@1	19.95	20.15	23.06	25.82	0.3821
78	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	1@49	19.86	20.14	23.01	25.77	0.3778
78	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	25@12	17.96	18.13	21.06	23.82	0.2408
78	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	1@1	17.91	18	20.97	23.73	0.2358
78	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	1@49	17.75	17.95	20.86	23.62	0.2302
78	30	20	647334	3710.01	CP-OFDM QPSK	25@12	20.98	21.17	24.09	26.85	0.4838
78	30	20	647334	3710.01	CP-OFDM QPSK	1@1	20.85	21	23.94	26.70	0.4673
78	30	20	647334	3710.01	CP-OFDM QPSK	1@49	20.87	21.06	23.98	26.74	0.4717
78	30	20	647334	3710.01	CP-OFDM 16 QAM	25@12	20.5	20.57	23.55	26.31	0.4271
78	30	20	647334	3710.01	CP-OFDM 16 QAM	1@1	20.31	20.39	23.36	26.12	0.4093
78	30	20	647334	3710.01	CP-OFDM 16 QAM	1@49	20.3	20.43	23.38	26.14	0.4108
78	30	20	647334	3710.01	CP-OFDM 64 QAM	25@12	19.02	19.18	22.11	24.87	0.3070
78	30	20	647334	3710.01	CP-OFDM 64 QAM	1@1	19.15	19.1	22.14	24.90	0.3087
78	30	20	647334	3710.01	CP-OFDM 64 QAM	1@49	18.88	19.1	22.00	24.76	0.2993
78	30	20	647334	3710.01	CP-OFDM 256 QAM	25@12	16.1	16.18	19.15	21.91	0.1553
78	30	20	647334	3710.01	CP-OFDM 256 QAM	1@1	15.91	16.03	18.98	21.74	0.1493

78	30	20	647334	3710.01	CP-OFDM 256 QAM	1@49	15.79	15.99	18.90	21.66	0.1466
78	30	20	650000	3750	DFT-s-OFDM PI/2 BPSK	25@12	21.72	20.36	24.10	26.86	0.4857
78	30	20	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	21.73	20.97	24.38	27.14	0.5172
78	30	20	650000	3750	DFT-s-OFDM PI/2 BPSK	1@49	20.68	21.84	24.31	27.07	0.5092
78	30	20	650000	3750	DFT-s-OFDM QPSK	25@12	21.47	21.37	24.43	27.19	0.5237
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	21.56	21.9	24.74	27.50	0.5628
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@49	21.61	21.42	24.53	27.29	0.5353
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	25@12	20.88	20.49	23.70	26.46	0.4426
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.25	21.38	24.33	27.09	0.5112
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@49	21.23	21.36	24.31	27.07	0.5088
78	30	20	650000	3750	DFT-s-OFDM 64 QAM	25@12	19.75	20.05	22.91	25.67	0.3692
78	30	20	650000	3750	DFT-s-OFDM 64 QAM	1@1	19.88	20.2	23.05	25.81	0.3814
78	30	20	650000	3750	DFT-s-OFDM 64 QAM	1@49	19.92	20.13	23.04	25.80	0.3799
78	30	20	650000	3750	DFT-s-OFDM 256 QAM	25@12	17.88	18.02	20.96	23.72	0.2356
78	30	20	650000	3750	DFT-s-OFDM 256 QAM	1@1	17.76	18.1	20.94	23.70	0.2346
78	30	20	650000	3750	DFT-s-OFDM 256 QAM	1@49	17.67	18.01	20.85	23.61	0.2298
78	30	20	650000	3750	CP-OFDM QPSK	25@12	20.83	21.18	24.02	26.78	0.4763
78	30	20	650000	3750	CP-OFDM QPSK	1@1	20.84	21.05	23.96	26.72	0.4695
78	30	20	650000	3750	CP-OFDM QPSK	1@49	20.75	21.12	23.95	26.71	0.4687
78	30	20	650000	3750	CP-OFDM 16 QAM	25@12	20.38	20.52	23.46	26.22	0.4189
78	30	20	650000	3750	CP-OFDM 16 QAM	1@1	20.28	20.52	23.41	26.17	0.4142
78	30	20	650000	3750	CP-OFDM 16 QAM	1@49	20.27	20.45	23.37	26.13	0.4103
78	30	20	650000	3750	CP-OFDM 64 QAM	25@12	18.97	19.08	22.04	24.80	0.3017
78	30	20	650000	3750	CP-OFDM 64 QAM	1@1	18.92	19.14	22.04	24.80	0.3021
78	30	20	650000	3750	CP-OFDM 64 QAM	1@49	18.87	19.04	21.97	24.73	0.2969
78	30	20	650000	3750	CP-OFDM 256 QAM	25@12	15.93	16.11	19.03	21.79	0.1511
78	30	20	650000	3750	CP-OFDM 256 QAM	1@1	15.81	15.99	18.91	21.67	0.1469
78	30	20	650000	3750	CP-OFDM 256 QAM	1@49	15.7	16	18.86	21.62	0.1453
78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	25@12	21.97	21.79	24.89	27.65	0.5823
78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	1@1	21.9	21.82	24.87	27.63	0.5795
78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	1@49	21.84	21.74	24.80	27.56	0.5702
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	25@12	22.02	21.73	24.89	27.65	0.5818
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	21.9	21.8	24.86	27.62	0.5782

78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@49	21.81	21.8	24.82	27.58	0.5722
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	25@12	21.62	21.42	24.53	27.29	0.5360
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	21.33	21.23	24.29	27.05	0.5071
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@49	21.45	21.23	24.35	27.11	0.5142
78	30	20	652666	3789.99	DFT-s-OFDM 64 QAM	25@12	20.11	19.89	23.01	25.77	0.3777
78	30	20	652666	3789.99	DFT-s-OFDM 64 QAM	1@1	20.16	20.06	23.12	25.88	0.3873
78	30	20	652666	3789.99	DFT-s-OFDM 64 QAM	1@49	20.11	20.01	23.07	25.83	0.3829
78	30	20	652666	3789.99	DFT-s-OFDM 256 QAM	25@12	18.05	17.92	21.00	23.76	0.2375
78	30	20	652666	3789.99	DFT-s-OFDM 256 QAM	1@1	17.97	17.97	20.98	23.74	0.2366
78	30	20	652666	3789.99	DFT-s-OFDM 256 QAM	1@49	17.9	17.87	20.90	23.66	0.2320
78	30	20	652666	3789.99	CP-OFDM QPSK	25@12	21.09	20.93	24.02	26.78	0.4765
78	30	20	652666	3789.99	CP-OFDM QPSK	1@1	21.04	20.94	24.00	26.76	0.4743
78	30	20	652666	3789.99	CP-OFDM QPSK	1@49	20.92	20.91	23.93	26.69	0.4662
78	30	20	652666	3789.99	CP-OFDM 16 QAM	25@12	20.59	20.44	23.53	26.29	0.4252
78	30	20	652666	3789.99	CP-OFDM 16 QAM	1@1	20.52	20.37	23.46	26.22	0.4184
78	30	20	652666	3789.99	CP-OFDM 16 QAM	1@49	20.53	20.28	23.42	26.18	0.4147
78	30	20	652666	3789.99	CP-OFDM 64 QAM	25@12	19.18	18.92	22.06	24.82	0.3035
78	30	20	652666	3789.99	CP-OFDM 64 QAM	1@1	19.17	19	22.10	24.86	0.3059
78	30	20	652666	3789.99	CP-OFDM 64 QAM	1@49	19.13	18.96	22.06	24.82	0.3031
78	30	20	652666	3789.99	CP-OFDM 256 QAM	25@12	16.18	15.95	19.08	21.84	0.1526
78	30	20	652666	3789.99	CP-OFDM 256 QAM	1@1	15.99	15.89	18.95	21.71	0.1483
78	30	20	652666	3789.99	CP-OFDM 256 QAM	1@49	15.94	15.81	18.89	21.65	0.1461
78	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	36@18	22.18	22.22	25.21	27.97	0.6267
78	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@1	22.24	22.19	25.23	27.99	0.6288
78	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@76	21.82	22.18	25.01	27.77	0.5990
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	36@18	22.12	22.23	25.19	27.95	0.6231
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	22.19	22.23	25.22	27.98	0.6281
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@76	22.26	22.17	25.23	27.99	0.6289
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	36@18	21.69	21.76	24.74	27.50	0.5618
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	21.91	21.9	24.92	27.68	0.5855
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@76	21.64	21.85	24.76	27.52	0.5645
78	30	30	647668	3715.02	DFT-s-OFDM 64 QAM	36@18	20.3	20.34	23.33	26.09	0.4065
78	30	30	647668	3715.02	DFT-s-OFDM 64 QAM	1@1	20.44	20.46	23.46	26.22	0.4188

78	30	30	647668	3715.02	DFT-s-OFDM 64 QAM	1@76	20.24	20.43	23.35	26.11	0.4080
78	30	30	647668	3715.02	DFT-s-OFDM 256 QAM	36@18	18.19	18.22	21.22	23.98	0.2498
78	30	30	647668	3715.02	DFT-s-OFDM 256 QAM	1@1	18.28	18.29	21.30	24.06	0.2544
78	30	30	647668	3715.02	DFT-s-OFDM 256 QAM	1@76	18.16	18.27	21.23	23.99	0.2504
78	30	30	647668	3715.02	CP-OFDM QPSK	39@19	21.37	21.24	24.32	27.08	0.5100
78	30	30	647668	3715.02	CP-OFDM QPSK	1@1	21.43	21.34	24.40	27.16	0.5195
78	30	30	647668	3715.02	CP-OFDM QPSK	1@76	21.34	21.38	24.37	27.13	0.5165
78	30	30	647668	3715.02	CP-OFDM 16 QAM	39@19	20.72	20.71	23.73	26.49	0.4452
78	30	30	647668	3715.02	CP-OFDM 16 QAM	1@1	20.71	20.72	23.73	26.49	0.4452
78	30	30	647668	3715.02	CP-OFDM 16 QAM	1@76	20.58	20.72	23.66	26.42	0.4386
78	30	30	647668	3715.02	CP-OFDM 64 QAM	39@19	19.25	19.3	22.29	25.05	0.3195
78	30	30	647668	3715.02	CP-OFDM 64 QAM	1@1	19.27	19.27	22.28	25.04	0.3192
78	30	30	647668	3715.02	CP-OFDM 64 QAM	1@76	19.29	19.26	22.29	25.05	0.3195
78	30	30	647668	3715.02	CP-OFDM 256 QAM	39@19	16.17	16.22	19.21	21.97	0.1572
78	30	30	647668	3715.02	CP-OFDM 256 QAM	1@1	16.4	16.24	19.33	22.09	0.1618
78	30	30	647668	3715.02	CP-OFDM 256 QAM	1@76	16.16	16.26	19.22	21.98	0.1578
78	30	30	650000	3750	DFT-s-OFDM PI/2 BPSK	36@18	21.85	22.14	25.01	27.77	0.5981
78	30	30	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	22.01	22.21	25.12	27.88	0.6140
78	30	30	650000	3750	DFT-s-OFDM PI/2 BPSK	1@76	21.9	21.98	24.95	27.71	0.5903
78	30	30	650000	3750	DFT-s-OFDM QPSK	36@18	21.94	22.06	25.01	27.77	0.5985
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	22.01	22.17	25.10	27.86	0.6111
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@76	21.93	21.9	24.93	27.69	0.5869
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	36@18	21.48	21.61	24.56	27.32	0.5390
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.43	21.59	24.52	27.28	0.5347
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@76	21.4	21.43	24.43	27.19	0.5230
78	30	30	650000	3750	DFT-s-OFDM 64 QAM	36@18	20.13	20.19	23.17	25.93	0.3918
78	30	30	650000	3750	DFT-s-OFDM 64 QAM	1@1	20.11	20.29	23.21	25.97	0.3955
78	30	30	650000	3750	DFT-s-OFDM 64 QAM	1@76	20.05	20.12	23.10	25.86	0.3851
78	30	30	650000	3750	DFT-s-OFDM 256 QAM	36@18	17.96	18.1	21.04	23.80	0.2399
78	30	30	650000	3750	DFT-s-OFDM 256 QAM	1@1	18.05	18.24	21.16	23.92	0.2464
78	30	30	650000	3750	DFT-s-OFDM 256 QAM	1@76	17.97	18.1	21.05	23.81	0.2402
78	30	30	650000	3750	CP-OFDM QPSK	39@19	21.06	21.19	24.14	26.90	0.4893
78	30	30	650000	3750	CP-OFDM QPSK	1@1	21.08	21.21	24.16	26.92	0.4916

78	30	30	650000	3750	CP-OFDM QPSK	1@76	21	21.09	24.06	26.82	0.4803
78	30	30	650000	3750	CP-OFDM 16 QAM	39@19	20.59	20.63	23.62	26.38	0.4345
78	30	30	650000	3750	CP-OFDM 16 QAM	1@1	20.56	20.63	23.61	26.37	0.4331
78	30	30	650000	3750	CP-OFDM 16 QAM	1@76	20.44	20.54	23.50	26.26	0.4227
78	30	30	650000	3750	CP-OFDM 64 QAM	39@19	19.03	19.13	22.09	24.85	0.3055
78	30	30	650000	3750	CP-OFDM 64 QAM	1@1	19.21	19.42	22.33	25.09	0.3226
78	30	30	650000	3750	CP-OFDM 64 QAM	1@76	19.1	19.21	22.17	24.93	0.3109
78	30	30	650000	3750	CP-OFDM 256 QAM	39@19	16.08	16.19	19.15	21.91	0.1551
78	30	30	650000	3750	CP-OFDM 256 QAM	1@1	15.99	16.18	19.10	21.86	0.1533
78	30	30	650000	3750	CP-OFDM 256 QAM	1@76	16	16.1	19.06	21.82	0.1521
78	30	30	652332	3784.98	DFT-s-OFDM PI/2 BPSK	36@18	22.05	21.85	24.96	27.72	0.5918
78	30	30	652332	3784.98	DFT-s-OFDM PI/2 BPSK	1@1	21.97	21.95	24.97	27.73	0.5930
78	30	30	652332	3784.98	DFT-s-OFDM PI/2 BPSK	1@76	22.01	21.78	24.91	27.67	0.5844
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	36@18	22.12	21.86	25.00	27.76	0.5973
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	22.02	21.89	24.97	27.73	0.5924
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@76	21.98	21.79	24.90	27.66	0.5830
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	36@18	21.61	21.39	24.51	27.27	0.5335
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	21.47	21.36	24.43	27.19	0.5231
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@76	21.51	21.25	24.39	27.15	0.5191
78	30	30	652332	3784.98	DFT-s-OFDM 64 QAM	36@18	20.23	20	23.13	25.89	0.3879
78	30	30	652332	3784.98	DFT-s-OFDM 64 QAM	1@1	20.11	20.07	23.10	25.86	0.3855
78	30	30	652332	3784.98	DFT-s-OFDM 64 QAM	1@76	20.15	19.91	23.04	25.80	0.3804
78	30	30	652332	3784.98	DFT-s-OFDM 256 QAM	36@18	18.13	17.93	21.04	23.80	0.2400
78	30	30	652332	3784.98	DFT-s-OFDM 256 QAM	1@1	17.97	18	21.00	23.76	0.2374
78	30	30	652332	3784.98	DFT-s-OFDM 256 QAM	1@76	18.04	17.81	20.94	23.70	0.2343
78	30	30	652332	3784.98	CP-OFDM QPSK	39@19	21.18	20.94	24.07	26.83	0.4822
78	30	30	652332	3784.98	CP-OFDM QPSK	1@1	21.12	21.03	24.09	26.85	0.4837
78	30	30	652332	3784.98	CP-OFDM QPSK	1@76	21.15	20.88	24.03	26.79	0.4772
78	30	30	652332	3784.98	CP-OFDM 16 QAM	39@19	20.7	20.46	23.59	26.35	0.4317
78	30	30	652332	3784.98	CP-OFDM 16 QAM	1@1	20.52	20.49	23.52	26.28	0.4242
78	30	30	652332	3784.98	CP-OFDM 16 QAM	1@76	20.61	20.26	23.45	26.21	0.4177
78	30	30	652332	3784.98	CP-OFDM 64 QAM	39@19	19.14	18.93	22.05	24.81	0.3025
78	30	30	652332	3784.98	CP-OFDM 64 QAM	1@1	19.07	19.02	22.06	24.82	0.3031

78	30	30	652332	3784.98	CP-OFDM 64 QAM	1@76	19.12	18.85	22.00	24.76	0.2990
78	30	30	652332	3784.98	CP-OFDM 256 QAM	39@19	16.14	15.94	19.05	21.81	0.1518
78	30	30	652332	3784.98	CP-OFDM 256 QAM	1@1	16.04	15.99	19.03	21.79	0.1508
78	30	30	652332	3784.98	CP-OFDM 256 QAM	1@76	16.12	15.92	19.03	21.79	0.1511
78	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	50@25	22.2	22.19	25.21	27.97	0.6259
78	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@1	22.35	22.38	25.38	28.14	0.6509
78	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@104	22.3	22.3	25.31	28.07	0.6413
78	30	40	648000	3720	DFT-s-OFDM QPSK	50@25	22.3	22.19	25.26	28.02	0.6332
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	22.34	22.28	25.32	28.08	0.6427
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@104	22.09	22.19	25.15	27.91	0.6181
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	50@25	21.85	21.83	24.85	27.61	0.5768
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	22.08	21.84	24.97	27.73	0.5932
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@104	21.79	21.73	24.77	27.53	0.5663
78	30	40	648000	3720	DFT-s-OFDM 64 QAM	50@25	20.41	20.33	23.38	26.14	0.4112
78	30	40	648000	3720	DFT-s-OFDM 64 QAM	1@1	20.61	20.61	23.62	26.38	0.4345
78	30	40	648000	3720	DFT-s-OFDM 64 QAM	1@104	20.49	20.49	23.50	26.26	0.4227
78	30	40	648000	3720	DFT-s-OFDM 256 QAM	50@25	18.34	18.3	21.33	24.09	0.2565
78	30	40	648000	3720	DFT-s-OFDM 256 QAM	1@1	18.49	18.48	21.50	24.26	0.2664
78	30	40	648000	3720	DFT-s-OFDM 256 QAM	1@104	18.4	18.36	21.39	24.15	0.2600
78	30	40	648000	3720	CP-OFDM QPSK	53@26	21.37	21.34	24.37	27.13	0.5159
78	30	40	648000	3720	CP-OFDM QPSK	1@1	21.56	21.43	24.51	27.27	0.5328
78	30	40	648000	3720	CP-OFDM QPSK	1@104	21.38	21.41	24.41	27.17	0.5206
78	30	40	648000	3720	CP-OFDM 16 QAM	53@26	20.84	20.84	23.85	26.61	0.4582
78	30	40	648000	3720	CP-OFDM 16 QAM	1@1	20.84	20.72	23.79	26.55	0.4519
78	30	40	648000	3720	CP-OFDM 16 QAM	1@104	20.63	20.69	23.67	26.43	0.4396
78	30	40	648000	3720	CP-OFDM 64 QAM	53@26	19.39	19.36	22.39	25.15	0.3270
78	30	40	648000	3720	CP-OFDM 64 QAM	1@1	19.59	19.55	22.58	25.34	0.3420
78	30	40	648000	3720	CP-OFDM 64 QAM	1@104	19.46	19.36	22.42	25.18	0.3297
78	30	40	648000	3720	CP-OFDM 256 QAM	53@26	16.36	16.32	19.35	22.11	0.1626
78	30	40	648000	3720	CP-OFDM 256 QAM	1@1	16.61	16.38	19.51	22.27	0.1685
78	30	40	648000	3720	CP-OFDM 256 QAM	1@104	16.48	16.49	19.50	22.26	0.1681
78	30	40	650000	3750	DFT-s-OFDM PI/2 BPSK	50@25	22.58	22.73	25.67	28.43	0.6960
78	30	40	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	22.83	22.91	25.88	28.64	0.7312

78	30	40	650000	3750	DFT-s-OFDM PI/2 BPSK	1@104	22.77	22.74	25.77	28.53	0.7121
78	30	40	650000	3750	DFT-s-OFDM QPSK	50@25	22.6	22.73	25.68	28.44	0.6976
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	22.82	22.88	25.86	28.62	0.7278
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@104	22.65	22.69	25.68	28.44	0.6983
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	50@25	21.63	21.74	24.70	27.46	0.5566
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.82	21.86	24.85	27.61	0.5768
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@104	21.64	21.69	24.68	27.44	0.5540
78	30	40	650000	3750	DFT-s-OFDM 64 QAM	50@25	20.14	20.24	23.20	25.96	0.3945
78	30	40	650000	3750	DFT-s-OFDM 64 QAM	1@1	20.43	20.56	23.51	26.27	0.4232
78	30	40	650000	3750	DFT-s-OFDM 64 QAM	1@104	20.35	20.37	23.37	26.13	0.4102
78	30	40	650000	3750	DFT-s-OFDM 256 QAM	50@25	18.14	18.26	21.21	23.97	0.2495
78	30	40	650000	3750	DFT-s-OFDM 256 QAM	1@1	18.23	18.41	21.33	24.09	0.2565
78	30	40	650000	3750	DFT-s-OFDM 256 QAM	1@104	18.13	18.29	21.22	23.98	0.2501
78	30	40	650000	3750	CP-OFDM QPSK	53@26	21.09	21.24	24.18	26.94	0.4938
78	30	40	650000	3750	CP-OFDM QPSK	1@1	21.28	21.37	24.34	27.10	0.5123
78	30	40	650000	3750	CP-OFDM QPSK	1@104	21.16	21.27	24.23	26.99	0.4995
78	30	40	650000	3750	CP-OFDM 16 QAM	53@26	20.63	20.7	23.68	26.44	0.4401
78	30	40	650000	3750	CP-OFDM 16 QAM	1@1	20.65	20.77	23.72	26.48	0.4447
78	30	40	650000	3750	CP-OFDM 16 QAM	1@104	20.57	20.7	23.65	26.41	0.4371
78	30	40	650000	3750	CP-OFDM 64 QAM	53@26	19.19	19.21	22.21	24.97	0.3141
78	30	40	650000	3750	CP-OFDM 64 QAM	1@1	19.36	19.41	22.40	25.16	0.3277
78	30	40	650000	3750	CP-OFDM 64 QAM	1@104	19.28	19.31	22.31	25.07	0.3210
78	30	40	650000	3750	CP-OFDM 256 QAM	53@26	16.14	16.27	19.22	21.98	0.1576
78	30	40	650000	3750	CP-OFDM 256 QAM	1@1	16.33	16.38	19.37	22.13	0.1631
78	30	40	650000	3750	CP-OFDM 256 QAM	1@104	16.29	16.34	19.33	22.09	0.1616
78	30	40	652000	3780	DFT-s-OFDM PI/2 BPSK	50@25	22.08	22	25.05	27.81	0.6040
78	30	40	652000	3780	DFT-s-OFDM PI/2 BPSK	1@1	22.07	22.16	25.13	27.89	0.6145
78	30	40	652000	3780	DFT-s-OFDM PI/2 BPSK	1@104	22.19	21.96	25.09	27.85	0.6091
78	30	40	652000	3780	DFT-s-OFDM QPSK	50@25	22.07	22	25.05	27.81	0.6033
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	22.08	22.18	25.14	27.90	0.6167
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@104	22.12	21.9	25.02	27.78	0.6000
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	50@25	21.73	21.62	24.69	27.45	0.5553
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	21.5	21.65	24.59	27.35	0.5427

78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@104	21.63	21.32	24.49	27.25	0.5306
78	30	40	652000	3780	DFT-s-OFDM 64 QAM	50@25	20.25	20.2	23.24	26.00	0.3977
78	30	40	652000	3780	DFT-s-OFDM 64 QAM	1@1	20.29	20.36	23.34	26.10	0.4070
78	30	40	652000	3780	DFT-s-OFDM 64 QAM	1@104	20.46	20.11	23.30	26.06	0.4035
78	30	40	652000	3780	DFT-s-OFDM 256 QAM	50@25	18.13	18.12	21.14	23.90	0.2452
78	30	40	652000	3780	DFT-s-OFDM 256 QAM	1@1	18.12	18.33	21.24	24.00	0.2510
78	30	40	652000	3780	DFT-s-OFDM 256 QAM	1@104	18.13	18.07	21.11	23.87	0.2438
78	30	40	652000	3780	CP-OFDM QPSK	53@26	21.25	21.15	24.21	26.97	0.4978
78	30	40	652000	3780	CP-OFDM QPSK	1@1	21.18	21.27	24.24	27.00	0.5007
78	30	40	652000	3780	CP-OFDM QPSK	1@104	21.27	21.02	24.16	26.92	0.4917
78	30	40	652000	3780	CP-OFDM 16 QAM	53@26	20.77	20.68	23.74	26.50	0.4462
78	30	40	652000	3780	CP-OFDM 16 QAM	1@1	20.55	20.7	23.64	26.40	0.4361
78	30	40	652000	3780	CP-OFDM 16 QAM	1@104	20.79	20.41	23.61	26.37	0.4340
78	30	40	652000	3780	CP-OFDM 64 QAM	53@26	19.25	19.13	22.20	24.96	0.3134
78	30	40	652000	3780	CP-OFDM 64 QAM	1@1	19.31	19.31	22.32	25.08	0.3221
78	30	40	652000	3780	CP-OFDM 64 QAM	1@104	19.32	19.1	22.22	24.98	0.3149
78	30	40	652000	3780	CP-OFDM 256 QAM	53@26	16.27	16.13	19.21	21.97	0.1574
78	30	40	652000	3780	CP-OFDM 256 QAM	1@1	16.2	16.2	19.21	21.97	0.1574
78	30	40	652000	3780	CP-OFDM 256 QAM	1@104	16.34	16.07	19.22	21.98	0.1577
78	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	64@32	22.05	22.08	25.08	27.84	0.6075
78	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@1	21.99	22.01	25.01	27.77	0.5985
78	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@131	21.82	21.95	24.90	27.66	0.5829
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	64@32	22.05	22.1	25.09	27.85	0.6089
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	22.16	22.01	25.10	27.86	0.6104
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@131	21.8	21.92	24.87	27.63	0.5795
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	64@32	21.64	21.7	24.68	27.44	0.5547
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	21.53	21.52	24.54	27.30	0.5365
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@131	21.29	21.34	24.33	27.09	0.5111
78	30	50	648334	3725.01	DFT-s-OFDM 64 QAM	64@32	20.2	20.24	23.23	25.99	0.3972
78	30	50	648334	3725.01	DFT-s-OFDM 64 QAM	1@1	20.25	20.28	23.28	26.04	0.4014
78	30	50	648334	3725.01	DFT-s-OFDM 64 QAM	1@131	20.04	20.17	23.12	25.88	0.3869
78	30	50	648334	3725.01	DFT-s-OFDM 256 QAM	64@32	18.1	18.22	21.17	23.93	0.2472
78	30	50	648334	3725.01	DFT-s-OFDM 256 QAM	1@1	18.11	18.17	21.15	23.91	0.2461

78	30	50	648334	3725.01	DFT-s-OFDM 256 QAM	1@131	17.9	18.03	20.98	23.74	0.2364
78	30	50	648334	3725.01	CP-OFDM QPSK	67@33	21.12	21.23	24.19	26.95	0.4950
78	30	50	648334	3725.01	CP-OFDM QPSK	1@1	21.23	21.23	24.24	27.00	0.5012
78	30	50	648334	3725.01	CP-OFDM QPSK	1@131	20.96	21.04	24.01	26.77	0.4754
78	30	50	648334	3725.01	CP-OFDM 16 QAM	67@33	20.66	20.7	23.69	26.45	0.4416
78	30	50	648334	3725.01	CP-OFDM 16 QAM	1@1	20.47	20.45	23.47	26.23	0.4198
78	30	50	648334	3725.01	CP-OFDM 16 QAM	1@131	20.3	20.4	23.36	26.12	0.4093
78	30	50	648334	3725.01	CP-OFDM 64 QAM	67@33	19.18	19.19	22.20	24.96	0.3130
78	30	50	648334	3725.01	CP-OFDM 64 QAM	1@1	19.23	19.15	22.20	24.96	0.3134
78	30	50	648334	3725.01	CP-OFDM 64 QAM	1@131	19.03	19.13	22.09	24.85	0.3055
78	30	50	648334	3725.01	CP-OFDM 256 QAM	67@33	16.16	16.19	19.19	21.95	0.1565
78	30	50	648334	3725.01	CP-OFDM 256 QAM	1@1	16.22	16.11	19.18	21.94	0.1562
78	30	50	648334	3725.01	CP-OFDM 256 QAM	1@131	15.89	15.97	18.94	21.70	0.1479
78	30	50	650000	3750	DFT-s-OFDM PI/2 BPSK	64@32	21.8	22.04	24.93	27.69	0.5878
78	30	50	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	21.82	22.06	24.95	27.71	0.5905
78	30	50	650000	3750	DFT-s-OFDM PI/2 BPSK	1@131	21.74	21.74	24.75	27.51	0.5637
78	30	50	650000	3750	DFT-s-OFDM QPSK	64@32	21.87	22.1	25.00	27.76	0.5966
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	21.88	22.01	24.96	27.72	0.5910
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@131	21.76	21.83	24.81	27.57	0.5709
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	64@32	21.48	21.66	24.58	27.34	0.5422
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.32	21.46	24.40	27.16	0.5201
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@131	21.17	21.29	24.24	27.00	0.5013
78	30	50	650000	3750	DFT-s-OFDM 64 QAM	64@32	19.97	20.18	23.09	25.85	0.3843
78	30	50	650000	3750	DFT-s-OFDM 64 QAM	1@1	19.99	20.23	23.12	25.88	0.3874
78	30	50	650000	3750	DFT-s-OFDM 64 QAM	1@131	19.91	19.91	22.92	25.68	0.3699
78	30	50	650000	3750	DFT-s-OFDM 256 QAM	64@32	17.97	18.09	21.04	23.80	0.2399
78	30	50	650000	3750	DFT-s-OFDM 256 QAM	1@1	17.94	18.15	21.06	23.82	0.2408
78	30	50	650000	3750	DFT-s-OFDM 256 QAM	1@131	17.8	17.85	20.84	23.60	0.2288
78	30	50	650000	3750	CP-OFDM QPSK	67@33	20.9	21.1	24.01	26.77	0.4755
78	30	50	650000	3750	CP-OFDM QPSK	1@1	21	21.1	24.06	26.82	0.4809
78	30	50	650000	3750	CP-OFDM QPSK	1@131	20.84	20.9	23.88	26.64	0.4614
78	30	50	650000	3750	CP-OFDM 16 QAM	67@33	20.44	20.6	23.53	26.29	0.4257
78	30	50	650000	3750	CP-OFDM 16 QAM	1@1	20.22	20.45	23.35	26.11	0.4080

78	30	50	650000	3750	CP-OFDM 16 QAM	1@131	20.17	20.13	23.16	25.92	0.3909
78	30	50	650000	3750	CP-OFDM 64 QAM	67@33	18.97	19.13	22.06	24.82	0.3035
78	30	50	650000	3750	CP-OFDM 64 QAM	1@1	19.03	19.16	22.11	24.87	0.3066
78	30	50	650000	3750	CP-OFDM 64 QAM	1@131	18.97	19.03	22.01	24.77	0.2999
78	30	50	650000	3750	CP-OFDM 256 QAM	67@33	15.93	16.1	19.03	21.79	0.1509
78	30	50	650000	3750	CP-OFDM 256 QAM	1@1	15.98	16.11	19.06	21.82	0.1519
78	30	50	650000	3750	CP-OFDM 256 QAM	1@131	15.87	15.85	18.87	21.63	0.1456
78	30	50	651666	3750	DFT-s-OFDM PI/2 BPSK	64@32	21.86	22.07	24.98	27.74	0.5938
78	30	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	1@1	21.83	21.93	24.89	27.65	0.5822
78	30	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	1@131	21.81	21.64	24.74	27.50	0.5618
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	64@32	21.92	21.82	24.88	27.64	0.5808
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	21.65	21.75	24.71	27.47	0.5585
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@131	21.72	21.62	24.68	27.44	0.5547
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	64@32	21.45	21.4	24.44	27.20	0.5242
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	21.24	21.23	24.25	27.01	0.5018
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@131	21.31	21.09	24.21	26.97	0.4979
78	30	50	651666	3774.99	DFT-s-OFDM 64 QAM	64@32	20.01	19.98	23.01	25.77	0.3772
78	30	50	651666	3774.99	DFT-s-OFDM 64 QAM	1@1	20.06	20.01	23.05	25.81	0.3807
78	30	50	651666	3774.99	DFT-s-OFDM 64 QAM	1@131	20.05	19.87	22.97	25.73	0.3742
78	30	50	651666	3774.99	DFT-s-OFDM 256 QAM	64@32	17.88	17.89	20.90	23.66	0.2320
78	30	50	651666	3774.99	DFT-s-OFDM 256 QAM	1@1	17.86	17.98	20.93	23.69	0.2339
78	30	50	651666	3774.99	DFT-s-OFDM 256 QAM	1@131	17.79	17.71	20.76	23.52	0.2249
78	30	50	651666	3774.99	CP-OFDM QPSK	67@33	20.95	20.89	23.93	26.69	0.4667
78	30	50	651666	3774.99	CP-OFDM QPSK	1@1	20.92	21.01	23.98	26.74	0.4716
78	30	50	651666	3774.99	CP-OFDM QPSK	1@131	20.97	20.81	23.90	26.66	0.4636
78	30	50	651666	3774.99	CP-OFDM 16 QAM	67@33	20.47	20.43	23.46	26.22	0.4188
78	30	50	651666	3774.99	CP-OFDM 16 QAM	1@1	20.37	20.35	23.37	26.13	0.4102
78	30	50	651666	3774.99	CP-OFDM 16 QAM	1@131	20.45	20.18	23.33	26.09	0.4062
78	30	50	651666	3774.99	CP-OFDM 64 QAM	67@33	19.02	18.93	21.99	24.75	0.2982
78	30	50	651666	3774.99	CP-OFDM 64 QAM	1@1	19.01	18.95	21.99	24.75	0.2986
78	30	50	651666	3774.99	CP-OFDM 64 QAM	1@131	19.06	18.79	21.94	24.70	0.2949
78	30	50	651666	3774.99	CP-OFDM 256 QAM	67@33	15.92	15.85	18.90	21.66	0.1464
78	30	50	651666	3774.99	CP-OFDM 256 QAM	1@1	15.97	15.91	18.95	21.71	0.1483

78	30	50	651666	3774.99	CP-OFDM 256 QAM	1@131	16.01	15.82	18.93	21.69	0.1474
78	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	81@40	21.95	22.15	25.06	27.82	0.6055
78	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@1	21.98	22.04	25.02	27.78	0.5998
78	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@160	21.84	21.92	24.89	27.65	0.5822
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	81@40	22.06	22.12	25.10	27.86	0.6110
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	22.06	22	25.04	27.80	0.6026
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@160	21.77	22.01	24.90	27.66	0.5837
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	81@40	21.69	21.69	24.70	27.46	0.5572
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	21.56	21.69	24.64	27.40	0.5490
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@160	21.26	21.44	24.36	27.12	0.5154
78	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	81@40	20.11	20.19	23.16	25.92	0.3909
78	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	1@1	20.04	20.05	23.06	25.82	0.3815
78	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	1@160	19.8	19.99	22.91	25.67	0.3687
78	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	81@40	18.09	18.17	21.14	23.90	0.2455
78	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	1@1	18.04	18.21	21.14	23.90	0.2453
78	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	1@160	17.84	18.03	20.95	23.71	0.2348
78	30	60	648668	3730.02	CP-OFDM QPSK	81@40	20.22	20.21	23.23	25.99	0.3968
78	30	60	648668	3730.02	CP-OFDM QPSK	1@1	20.08	20.13	23.12	25.88	0.3868
78	30	60	648668	3730.02	CP-OFDM QPSK	1@160	20.14	20.22	23.19	25.95	0.3936
78	30	60	648668	3730.02	CP-OFDM 16 QAM	81@40	19.72	19.94	22.84	25.60	0.3632
78	30	60	648668	3730.02	CP-OFDM 16 QAM	1@1	19.53	19.67	22.61	25.37	0.3444
78	30	60	648668	3730.02	CP-OFDM 16 QAM	1@160	19.74	19.77	22.77	25.53	0.3569
78	30	60	648668	3730.02	CP-OFDM 64 QAM	81@40	18.31	18.54	21.44	24.20	0.2628
78	30	60	648668	3730.02	CP-OFDM 64 QAM	1@1	18.27	18.38	21.34	24.10	0.2568
78	30	60	648668	3730.02	CP-OFDM 64 QAM	1@160	18.42	18.33	21.39	24.15	0.2597
78	30	60	648668	3730.02	CP-OFDM 256 QAM	81@40	15.34	15.35	18.36	21.12	0.1293
78	30	60	648668	3730.02	CP-OFDM 256 QAM	1@1	15.18	15.38	18.29	21.05	0.1274
78	30	60	648668	3730.02	CP-OFDM 256 QAM	1@160	15.23	15.3	18.28	21.04	0.1269
78	30	60	650000	3750	DFT-s-OFDM PI/2 BPSK	81@40	21.95	22.1	25.04	27.80	0.6020
78	30	60	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	21.9	22.12	25.02	27.78	0.6000
78	30	60	650000	3750	DFT-s-OFDM PI/2 BPSK	1@160	22.11	22.01	25.07	27.83	0.6068
78	30	60	650000	3750	DFT-s-OFDM QPSK	81@40	21.86	22.07	24.98	27.74	0.5938
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	21.89	22.04	24.98	27.74	0.5937

78	30	60	650000	3750	DFT-s-OFDM QPSK	1@160	21.99	21.99	25.00	27.76	0.5971
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	81@40	21.53	21.67	24.61	27.37	0.5459
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.41	21.55	24.49	27.25	0.5310
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@160	21.58	21.5	24.55	27.31	0.5383
78	30	60	650000	3750	DFT-s-OFDM 64 QAM	81@40	20.05	20.24	23.16	25.92	0.3905
78	30	60	650000	3750	DFT-s-OFDM 64 QAM	1@1	19.92	20.13	23.04	25.80	0.3799
78	30	60	650000	3750	DFT-s-OFDM 64 QAM	1@160	20.03	20.03	23.04	25.80	0.3802
78	30	60	650000	3750	DFT-s-OFDM 256 QAM	81@40	18.07	18.14	21.12	23.88	0.2441
78	30	60	650000	3750	DFT-s-OFDM 256 QAM	1@1	18.01	18.23	21.13	23.89	0.2450
78	30	60	650000	3750	DFT-s-OFDM 256 QAM	1@160	18.14	18.09	21.13	23.89	0.2446
78	30	60	650000	3750	CP-OFDM QPSK	81@40	20.38	20.4	23.40	26.16	0.4131
78	30	60	650000	3750	CP-OFDM QPSK	1@1	20.22	20.43	23.34	26.10	0.4071
78	30	60	650000	3750	CP-OFDM QPSK	1@160	20.54	20.34	23.45	26.21	0.4180
78	30	60	650000	3750	CP-OFDM 16 QAM	81@40	19.91	19.92	22.93	25.69	0.3703
78	30	60	650000	3750	CP-OFDM 16 QAM	1@1	19.61	19.94	22.79	25.55	0.3588
78	30	60	650000	3750	CP-OFDM 16 QAM	1@160	19.92	19.73	22.84	25.60	0.3628
78	30	60	650000	3750	CP-OFDM 64 QAM	81@40	18.45	18.51	21.49	24.25	0.2661
78	30	60	650000	3750	CP-OFDM 64 QAM	1@1	18.4	18.64	21.53	24.29	0.2687
78	30	60	650000	3750	CP-OFDM 64 QAM	1@160	18.65	18.45	21.56	24.32	0.2705
78	30	60	650000	3750	CP-OFDM 256 QAM	81@40	15.46	15.47	18.48	21.24	0.1329
78	30	60	650000	3750	CP-OFDM 256 QAM	1@1	15.33	15.46	18.41	21.17	0.1308
78	30	60	650000	3750	CP-OFDM 256 QAM	1@160	15.46	15.41	18.45	21.21	0.1320
78	30	60	651332	3769.98	DFT-s-OFDM PI/2 BPSK	81@40	22.03	21.99	25.02	27.78	0.5998
78	30	60	651332	3769.98	DFT-s-OFDM PI/2 BPSK	1@1	21.76	21.95	24.87	27.63	0.5789
78	30	60	651332	3769.98	DFT-s-OFDM PI/2 BPSK	1@160	22.02	21.75	24.90	27.66	0.5831
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	81@40	22.03	21.97	25.01	27.77	0.5985
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	21.79	21.97	24.89	27.65	0.5823
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@160	21.98	21.74	24.87	27.63	0.5797
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	81@40	21.6	21.56	24.59	27.35	0.5433
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	21.22	21.43	24.34	27.10	0.5125
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@160	21.46	21.22	24.35	27.11	0.5143
78	30	60	651332	3769.98	DFT-s-OFDM 64 QAM	81@40	20.16	20.13	23.16	25.92	0.3904
78	30	60	651332	3769.98	DFT-s-OFDM 64 QAM	1@1	19.79	19.99	22.90	25.66	0.3683

78	30	60	651332	3769.98	DFT-s-OFDM 64 QAM	1@160	20.04	19.76	22.91	25.67	0.3692
78	30	60	651332	3769.98	DFT-s-OFDM 256 QAM	81@40	18.09	18.12	21.12	23.88	0.2441
78	30	60	651332	3769.98	DFT-s-OFDM 256 QAM	1@1	17.96	18.09	21.04	23.80	0.2397
78	30	60	651332	3769.98	DFT-s-OFDM 256 QAM	1@160	18.17	17.87	21.03	23.79	0.2395
78	30	60	651332	3769.98	CP-OFDM QPSK	81@40	20.47	20.4	23.45	26.21	0.4174
78	30	60	651332	3769.98	CP-OFDM QPSK	1@1	20.53	20.53	23.54	26.30	0.4266
78	30	60	651332	3769.98	CP-OFDM QPSK	1@160	20.54	20.41	23.49	26.25	0.4213
78	30	60	651332	3769.98	CP-OFDM 16 QAM	81@40	20.02	19.97	23.01	25.77	0.3772
78	30	60	651332	3769.98	CP-OFDM 16 QAM	1@1	19.77	19.78	22.79	25.55	0.3585
78	30	60	651332	3769.98	CP-OFDM 16 QAM	1@160	19.84	19.65	22.76	25.52	0.3562
78	30	60	651332	3769.98	CP-OFDM 64 QAM	81@40	18.56	18.38	21.48	24.24	0.2655
78	30	60	651332	3769.98	CP-OFDM 64 QAM	1@1	18.49	18.48	21.50	24.26	0.2664
78	30	60	651332	3769.98	CP-OFDM 64 QAM	1@160	18.68	18.28	21.49	24.25	0.2664
78	30	60	651332	3769.98	CP-OFDM 256 QAM	81@40	15.56	15.49	18.54	21.30	0.1348
78	30	60	651332	3769.98	CP-OFDM 256 QAM	1@1	15.46	15.48	18.48	21.24	0.1331
78	30	60	651332	3769.98	CP-OFDM 256 QAM	1@160	15.52	15.37	18.46	21.22	0.1323
78	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	90@45	21.95	22.04	25.01	27.77	0.5978
78	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	1@1	22.04	22.04	25.05	27.81	0.6040
78	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	1@187	21.74	21.79	24.78	27.54	0.5669
78	30	70	649000	3735	DFT-s-OFDM QPSK	90@45	22	22.03	25.03	27.79	0.6005
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	21.91	22.03	24.98	27.74	0.5944
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@187	21.71	21.76	24.75	27.51	0.5630
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	90@45	21.59	21.59	24.60	27.36	0.5445
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	21.4	21.44	24.43	27.19	0.5236
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@187	21.21	21.22	24.23	26.99	0.4995
78	30	70	649000	3735	DFT-s-OFDM 64 QAM	90@45	20.14	20.18	23.17	25.93	0.3918
78	30	70	649000	3735	DFT-s-OFDM 64 QAM	1@1	20.02	20.17	23.11	25.87	0.3860
78	30	70	649000	3735	DFT-s-OFDM 64 QAM	1@187	19.83	19.86	22.86	25.62	0.3644
78	30	70	649000	3735	DFT-s-OFDM 256 QAM	90@45	18.01	18.14	21.09	23.85	0.2424
78	30	70	649000	3735	DFT-s-OFDM 256 QAM	1@1	18.11	18.24	21.19	23.95	0.2481
78	30	70	649000	3735	DFT-s-OFDM 256 QAM	1@187	17.87	17.93	20.91	23.67	0.2328
78	30	70	649000	3735	CP-OFDM QPSK	95@47	20.52	20.61	23.58	26.34	0.4301
78	30	70	649000	3735	CP-OFDM QPSK	1@1	20.65	20.64	23.66	26.42	0.4381

78	30	70	649000	3735	CP-OFDM QPSK	1@187	20.58	20.4	23.50	26.26	0.4228
78	30	70	649000	3735	CP-OFDM 16 QAM	95@47	20.08	20.11	23.11	25.87	0.3860
78	30	70	649000	3735	CP-OFDM 16 QAM	1@1	19.92	19.93	22.94	25.70	0.3711
78	30	70	649000	3735	CP-OFDM 16 QAM	1@187	19.76	19.67	22.73	25.49	0.3536
78	30	70	649000	3735	CP-OFDM 64 QAM	95@47	18.63	18.64	21.65	24.41	0.2758
78	30	70	649000	3735	CP-OFDM 64 QAM	1@1	18.58	18.55	21.58	24.34	0.2714
78	30	70	649000	3735	CP-OFDM 64 QAM	1@187	18.45	18.31	21.39	24.15	0.2601
78	30	70	649000	3735	CP-OFDM 256 QAM	95@47	15.53	15.64	18.60	21.36	0.1366
78	30	70	649000	3735	CP-OFDM 256 QAM	1@1	15.48	15.55	18.53	21.29	0.1344
78	30	70	649000	3735	CP-OFDM 256 QAM	1@187	15.43	15.32	18.39	21.15	0.1302
78	30	70	650000	3750	DFT-s-OFDM PI/2 BPSK	90@45	21.85	22.03	24.95	27.71	0.5904
78	30	70	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	21.88	22.04	24.97	27.73	0.5931
78	30	70	650000	3750	DFT-s-OFDM PI/2 BPSK	1@187	21.8	21.66	24.74	27.50	0.5625
78	30	70	650000	3750	DFT-s-OFDM QPSK	90@45	21.85	21.96	24.92	27.68	0.5856
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@1	21.87	21.96	24.93	27.69	0.5869
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@187	21.82	21.76	24.80	27.56	0.5702
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	90@45	21.48	21.6	24.55	27.31	0.5384
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.36	21.45	24.42	27.18	0.5219
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@187	21.29	21.14	24.23	26.99	0.4996
78	30	70	650000	3750	DFT-s-OFDM 64 QAM	90@45	20.06	20.1	23.09	25.85	0.3846
78	30	70	650000	3750	DFT-s-OFDM 64 QAM	1@1	19.92	19.93	22.94	25.70	0.3711
78	30	70	650000	3750	DFT-s-OFDM 64 QAM	1@187	19.85	19.67	22.77	25.53	0.3574
78	30	70	650000	3750	DFT-s-OFDM 256 QAM	90@45	17.96	18.17	21.08	23.84	0.2419
78	30	70	650000	3750	DFT-s-OFDM 256 QAM	1@1	17.94	18.08	21.02	23.78	0.2388
78	30	70	650000	3750	DFT-s-OFDM 256 QAM	1@187	17.87	17.84	20.87	23.63	0.2304
78	30	70	650000	3750	CP-OFDM QPSK	95@47	20.56	20.58	23.58	26.34	0.4306
78	30	70	650000	3750	CP-OFDM QPSK	1@1	20.64	20.65	23.66	26.42	0.4381
78	30	70	650000	3750	CP-OFDM QPSK	1@187	20.56	20.38	23.48	26.24	0.4208
78	30	70	650000	3750	CP-OFDM 16 QAM	95@47	20.08	20.11	23.11	25.87	0.3860
78	30	70	650000	3750	CP-OFDM 16 QAM	1@1	20.08	20.07	23.09	25.85	0.3842
78	30	70	650000	3750	CP-OFDM 16 QAM	1@187	19.92	19.69	22.82	25.58	0.3611
78	30	70	650000	3750	CP-OFDM 64 QAM	95@47	18.62	18.57	21.61	24.37	0.2732
78	30	70	650000	3750	CP-OFDM 64 QAM	1@1	18.62	18.63	21.64	24.40	0.2751

78	30	70	650000	3750	CP-OFDM 64 QAM	1@187	18.48	18.31	21.41	24.17	0.2610
78	30	70	650000	3750	CP-OFDM 256 QAM	95@47	15.56	15.58	18.58	21.34	0.1362
78	30	70	650000	3750	CP-OFDM 256 QAM	1@1	15.59	15.57	18.59	21.35	0.1365
78	30	70	650000	3750	CP-OFDM 256 QAM	1@187	15.49	15.26	18.39	21.15	0.1302
78	30	70	651000	3765	DFT-s-OFDM PI/2 BPSK	90@45	21.8	21.96	24.89	27.65	0.5822
78	30	70	651000	3765	DFT-s-OFDM PI/2 BPSK	1@1	21.91	21.92	24.93	27.69	0.5869
78	30	70	651000	3765	DFT-s-OFDM PI/2 BPSK	1@187	21.9	21.74	24.83	27.59	0.5743
78	30	70	651000	3765	DFT-s-OFDM QPSK	90@45	21.87	21.97	24.93	27.69	0.5876
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@1	21.87	21.88	24.89	27.65	0.5815
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@187	21.76	21.64	24.71	27.47	0.5586
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	90@45	21.49	21.55	24.53	27.29	0.5358
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@1	21.37	21.43	24.41	27.17	0.5212
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@187	21.26	21.11	24.20	26.96	0.4961
78	30	70	651000	3765	DFT-s-OFDM 64 QAM	90@45	19.99	20.03	23.02	25.78	0.3785
78	30	70	651000	3765	DFT-s-OFDM 64 QAM	1@1	20.01	20.02	23.03	25.79	0.3789
78	30	70	651000	3765	DFT-s-OFDM 64 QAM	1@187	19.93	19.75	22.85	25.61	0.3640
78	30	70	651000	3765	DFT-s-OFDM 256 QAM	90@45	17.94	18.04	21.00	23.76	0.2377
78	30	70	651000	3765	DFT-s-OFDM 256 QAM	1@1	17.94	17.96	20.96	23.72	0.2355
78	30	70	651000	3765	DFT-s-OFDM 256 QAM	1@187	17.84	17.73	20.80	23.56	0.2268
78	30	70	651000	3765	CP-OFDM QPSK	95@47	20.57	20.49	23.54	26.30	0.4266
78	30	70	651000	3765	CP-OFDM QPSK	1@1	20.68	20.62	23.66	26.42	0.4386
78	30	70	651000	3765	CP-OFDM QPSK	1@187	20.48	20.17	23.34	26.10	0.4072
78	30	70	651000	3765	CP-OFDM 16 QAM	95@47	10.41	19.94	20.40	23.16	0.2070
78	30	70	651000	3765	CP-OFDM 16 QAM	1@1	20.04	19.94	23.00	25.76	0.3768
78	30	70	651000	3765	CP-OFDM 16 QAM	1@187	19.97	19.61	22.80	25.56	0.3601
78	30	70	651000	3765	CP-OFDM 64 QAM	95@47	18.67	18.54	21.62	24.38	0.2739
78	30	70	651000	3765	CP-OFDM 64 QAM	1@1	18.75	18.67	21.72	24.48	0.2806
78	30	70	651000	3765	CP-OFDM 64 QAM	1@187	18.75	18.26	21.52	24.28	0.2681
78	30	70	651000	3765	CP-OFDM 256 QAM	95@47	15.57	15.49	18.54	21.30	0.1349
78	30	70	651000	3765	CP-OFDM 256 QAM	1@1	15.6	15.54	18.58	21.34	0.1362
78	30	70	651000	3765	CP-OFDM 256 QAM	1@187	15.51	15.13	18.33	21.09	0.1287
78	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	108@54	21.88	21.98	24.94	27.70	0.5889
78	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@1	21.93	21.97	24.96	27.72	0.5916

78	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@215	21.78	21.76	24.78	27.54	0.5676
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	108@54	21.87	21.97	24.93	27.69	0.5876
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	21.92	22.02	24.98	27.74	0.5944
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@215	21.75	21.8	24.79	27.55	0.5682
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	108@54	21.44	21.57	24.52	27.28	0.5340
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	21.65	21.68	24.68	27.44	0.5540
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@215	21.62	21.47	24.56	27.32	0.5390
78	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	108@54	20.01	20.08	23.06	25.82	0.3815
78	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	1@1	20.02	20.15	23.10	25.86	0.3851
78	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	1@215	19.95	19.99	22.98	25.74	0.3750
78	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	108@54	18.01	18.14	21.09	23.85	0.2424
78	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	1@1	17.93	18.05	21.00	23.76	0.2377
78	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	1@215	17.85	17.88	20.88	23.64	0.2310
78	30	80	649334	3740.01	CP-OFDM QPSK	109@54	20.63	20.6	23.63	26.39	0.4350
78	30	80	649334	3740.01	CP-OFDM QPSK	1@1	20.73	20.75	23.75	26.51	0.4477
78	30	80	649334	3740.01	CP-OFDM QPSK	1@215	20.72	20.33	23.54	26.30	0.4265
78	30	80	649334	3740.01	CP-OFDM 16 QAM	109@54	20.14	20.18	23.17	25.93	0.3918
78	30	80	649334	3740.01	CP-OFDM 16 QAM	1@1	19.91	20.01	22.97	25.73	0.3742
78	30	80	649334	3740.01	CP-OFDM 16 QAM	1@215	19.91	19.69	22.81	25.57	0.3607
78	30	80	649334	3740.01	CP-OFDM 64 QAM	109@54	18.64	18.66	21.66	24.42	0.2767
78	30	80	649334	3740.01	CP-OFDM 64 QAM	1@1	18.53	18.68	21.62	24.38	0.2739
78	30	80	649334	3740.01	CP-OFDM 64 QAM	1@215	18.56	18.33	21.46	24.22	0.2640
78	30	80	649334	3740.01	CP-OFDM 256 QAM	109@54	15.63	15.76	18.71	21.47	0.1401
78	30	80	649334	3740.01	CP-OFDM 256 QAM	1@1	15.5	15.63	18.58	21.34	0.1360
78	30	80	649334	3740.01	CP-OFDM 256 QAM	1@215	15.55	15.31	18.44	21.20	0.1319
78	30	80	650000	3750	DFT-s-OFDM PI/2 BPSK	108@54	21.83	22.01	24.93	27.69	0.5877
78	30	80	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	21.88	21.95	24.93	27.69	0.5869
78	30	80	650000	3750	DFT-s-OFDM PI/2 BPSK	1@215	21.85	21.73	24.80	27.56	0.5703
78	30	80	650000	3750	DFT-s-OFDM QPSK	108@54	21.84	21.98	24.92	27.68	0.5863
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@1	21.84	21.95	24.91	27.67	0.5842
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@215	21.8	21.68	24.75	27.51	0.5637
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	108@54	21.43	21.54	24.50	27.26	0.5316
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.38	21.43	24.42	27.18	0.5218

78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@215	21.21	21.14	24.19	26.95	0.4949
78	30	80	650000	3750	DFT-s-OFDM 64 QAM	108@54	19.96	20.06	23.02	25.78	0.3785
78	30	80	650000	3750	DFT-s-OFDM 64 QAM	1@1	20.15	20.24	23.21	25.97	0.3950
78	30	80	650000	3750	DFT-s-OFDM 64 QAM	1@215	19.99	19.92	22.97	25.73	0.3737
78	30	80	650000	3750	DFT-s-OFDM 256 QAM	108@54	18	18.02	21.02	23.78	0.2388
78	30	80	650000	3750	DFT-s-OFDM 256 QAM	1@1	18	18.09	21.06	23.82	0.2407
78	30	80	650000	3750	DFT-s-OFDM 256 QAM	1@215	17.89	17.74	20.83	23.59	0.2283
78	30	80	650000	3750	CP-OFDM QPSK	109@54	20.63	20.6	23.63	26.39	0.4350
78	30	80	650000	3750	CP-OFDM QPSK	1@1	20.59	20.67	23.64	26.40	0.4366
78	30	80	650000	3750	CP-OFDM QPSK	1@215	20.48	20.38	23.44	26.20	0.4169
78	30	80	650000	3750	CP-OFDM 16 QAM	109@54	17.06	20.1	21.85	24.61	0.2891
78	30	80	650000	3750	CP-OFDM 16 QAM	1@1	20.06	20.23	23.16	25.92	0.3905
78	30	80	650000	3750	CP-OFDM 16 QAM	1@215	19.91	19.73	22.83	25.59	0.3623
78	30	80	650000	3750	CP-OFDM 64 QAM	109@54	18.63	18.6	21.63	24.39	0.2745
78	30	80	650000	3750	CP-OFDM 64 QAM	1@1	18.8	18.82	21.82	24.58	0.2871
78	30	80	650000	3750	CP-OFDM 64 QAM	1@215	18.62	18.47	21.56	24.32	0.2701
78	30	80	650000	3750	CP-OFDM 256 QAM	109@54	15.63	15.58	18.62	21.38	0.1373
78	30	80	650000	3750	CP-OFDM 256 QAM	1@1	15.51	15.66	18.60	21.36	0.1366
78	30	80	650000	3750	CP-OFDM 256 QAM	1@215	15.45	15.32	18.40	21.16	0.1305
78	30	80	650666	3759.99	DFT-s-OFDM PI/2 BPSK	108@54	21.78	21.9	24.85	27.61	0.5769
78	30	80	650666	3759.99	DFT-s-OFDM PI/2 BPSK	1@1	21.83	21.92	24.89	27.65	0.5815
78	30	80	650666	3759.99	DFT-s-OFDM PI/2 BPSK	1@215	21.86	21.73	24.81	27.57	0.5709
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	108@54	21.87	21.98	24.94	27.70	0.5883
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	21.77	21.93	24.86	27.62	0.5782
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@215	21.69	21.6	24.66	27.42	0.5515
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	108@54	21.4	21.51	24.47	27.23	0.5279
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	21.21	21.35	24.29	27.05	0.5071
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@215	21.19	21.12	24.17	26.93	0.4927
78	30	80	650666	3759.99	DFT-s-OFDM 64 QAM	108@54	19.93	20.01	22.98	25.74	0.3750
78	30	80	650666	3759.99	DFT-s-OFDM 64 QAM	1@1	20.04	20.13	23.10	25.86	0.3851
78	30	80	650666	3759.99	DFT-s-OFDM 64 QAM	1@215	19.9	19.81	22.87	25.63	0.3652
78	30	80	650666	3759.99	DFT-s-OFDM 256 QAM	108@54	17.91	18	20.97	23.73	0.2358
78	30	80	650666	3759.99	DFT-s-OFDM 256 QAM	1@1	17.95	18.12	21.05	23.81	0.2402

78	30	80	650666	3759.99	DFT-s-OFDM 256 QAM	1@215	17.9	17.91	20.92	23.68	0.2331
78	30	80	650666	3759.99	CP-OFDM QPSK	109@54	20.58	20.56	23.58	26.34	0.4306
78	30	80	650666	3759.99	CP-OFDM QPSK	1@1	20.48	20.65	23.58	26.34	0.4301
78	30	80	650666	3759.99	CP-OFDM QPSK	1@215	20.6	20.28	23.45	26.21	0.4181
78	30	80	650666	3759.99	CP-OFDM 16 QAM	109@54	20.12	20.03	23.09	25.85	0.3842
78	30	80	650666	3759.99	CP-OFDM 16 QAM	1@1	20.06	20.01	23.05	25.81	0.3807
78	30	80	650666	3759.99	CP-OFDM 16 QAM	1@215	20.03	19.68	22.87	25.63	0.3655
78	30	80	650666	3759.99	CP-OFDM 64 QAM	109@54	18.57	18.51	21.55	24.31	0.2698
78	30	80	650666	3759.99	CP-OFDM 64 QAM	1@1	18.62	18.6	21.62	24.38	0.2742
78	30	80	650666	3759.99	CP-OFDM 64 QAM	1@215	18.63	18.27	21.46	24.22	0.2645
78	30	80	650666	3759.99	CP-OFDM 256 QAM	109@54	15.63	15.56	18.61	21.37	0.1369
78	30	80	650666	3759.99	CP-OFDM 256 QAM	1@1	15.54	15.59	18.58	21.34	0.1360
78	30	80	650666	3759.99	CP-OFDM 256 QAM	1@215	15.5	15.17	18.35	21.11	0.1291
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	120@60	21.88	22.03	24.97	27.73	0.5924
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@1	21.9	21.94	24.93	27.69	0.5875
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@243	21.96	21.76	24.87	27.63	0.5796
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	120@60	21.85	22.06	24.97	27.73	0.5925
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	21.87	21.98	24.94	27.70	0.5883
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@243	21.86	21.73	24.81	27.57	0.5709
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	120@60	21.52	21.68	24.61	27.37	0.5459
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	21.45	21.42	24.45	27.21	0.5255
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@243	21.48	21.2	24.35	27.11	0.5143
78	30	90	649668	3745.02	DFT-s-OFDM 64 QAM	120@60	20.05	20.17	23.12	25.88	0.3873
78	30	90	649668	3745.02	DFT-s-OFDM 64 QAM	1@1	20.11	20.18	23.16	25.92	0.3904
78	30	90	649668	3745.02	DFT-s-OFDM 64 QAM	1@243	20.05	19.96	23.02	25.78	0.3781
78	30	90	649668	3745.02	DFT-s-OFDM 256 QAM	120@60	17.96	18.12	21.05	23.81	0.2405
78	30	90	649668	3745.02	DFT-s-OFDM 256 QAM	1@1	17.97	18.03	21.01	23.77	0.2383
78	30	90	649668	3745.02	DFT-s-OFDM 256 QAM	1@243	17.89	17.86	20.89	23.65	0.2315
78	30	90	649668	3745.02	CP-OFDM QPSK	123@61	20.76	20.64	23.71	26.47	0.4437
78	30	90	649668	3745.02	CP-OFDM QPSK	1@1	20.55	20.66	23.62	26.38	0.4341
78	30	90	649668	3745.02	CP-OFDM QPSK	1@243	20.57	20.41	23.50	26.26	0.4228
78	30	90	649668	3745.02	CP-OFDM 16 QAM	123@61	20.26	20.24	23.26	26.02	0.4000
78	30	90	649668	3745.02	CP-OFDM 16 QAM	1@1	20.06	20.08	23.08	25.84	0.3837

78	30	90	649668	3745.02	CP-OFDM 16 QAM	1@243	20.15	19.85	23.01	25.77	0.3778
78	30	90	649668	3745.02	CP-OFDM 64 QAM	123@61	18.76	18.72	21.75	24.51	0.2825
78	30	90	649668	3745.02	CP-OFDM 64 QAM	1@1	18.63	18.76	21.71	24.47	0.2796
78	30	90	649668	3745.02	CP-OFDM 64 QAM	1@243	18.74	18.41	21.59	24.35	0.2722
78	30	90	649668	3745.02	CP-OFDM 256 QAM	123@61	15.77	15.74	18.77	21.53	0.1421
78	30	90	649668	3745.02	CP-OFDM 256 QAM	1@1	15.61	15.7	18.67	21.43	0.1389
78	30	90	649668	3745.02	CP-OFDM 256 QAM	1@243	15.62	15.39	18.52	21.28	0.1342
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	120@60	21.83	22.07	24.96	27.72	0.5918
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	21.92	21.99	24.97	27.73	0.5923
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	1@243	21.85	21.83	24.85	27.61	0.5768
78	30	90	650000	3750	DFT-s-OFDM QPSK	120@60	21.87	22.11	25.00	27.76	0.5973
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	21.92	22.03	24.99	27.75	0.5951
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@243	21.85	21.74	24.81	27.57	0.5709
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	120@60	21.47	21.7	24.60	27.36	0.5441
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.42	21.4	24.42	27.18	0.5224
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@243	21.3	21.15	24.24	27.00	0.5007
78	30	90	650000	3750	DFT-s-OFDM 64 QAM	120@60	19.95	20.14	23.06	25.82	0.3816
78	30	90	650000	3750	DFT-s-OFDM 64 QAM	1@1	20.1	20.28	23.20	25.96	0.3946
78	30	90	650000	3750	DFT-s-OFDM 64 QAM	1@243	20.12	20.02	23.08	25.84	0.3838
78	30	90	650000	3750	DFT-s-OFDM 256 QAM	120@60	17.93	18.08	21.02	23.78	0.2386
78	30	90	650000	3750	DFT-s-OFDM 256 QAM	1@1	17.87	17.96	20.93	23.69	0.2336
78	30	90	650000	3750	DFT-s-OFDM 256 QAM	1@243	17.92	17.88	20.91	23.67	0.2328
78	30	90	650000	3750	CP-OFDM QPSK	123@61	20.74	20.73	23.75	26.51	0.4472
78	30	90	650000	3750	CP-OFDM QPSK	1@1	20.68	20.73	23.72	26.48	0.4442
78	30	90	650000	3750	CP-OFDM QPSK	1@243	20.61	20.4	23.52	26.28	0.4243
78	30	90	650000	3750	CP-OFDM 16 QAM	123@61	20.17	20.22	23.21	25.97	0.3949
78	30	90	650000	3750	CP-OFDM 16 QAM	1@1	20.15	20.31	23.24	26.00	0.3982
78	30	90	650000	3750	CP-OFDM 16 QAM	1@243	20.11	19.84	22.99	25.75	0.3756
78	30	90	650000	3750	CP-OFDM 64 QAM	123@61	18.66	18.71	21.70	24.46	0.2790
78	30	90	650000	3750	CP-OFDM 64 QAM	1@1	18.84	19.01	21.94	24.70	0.2949
78	30	90	650000	3750	CP-OFDM 64 QAM	1@243	18.89	18.57	21.74	24.50	0.2820
78	30	90	650000	3750	CP-OFDM 256 QAM	123@61	15.73	15.75	18.75	21.51	0.1416
78	30	90	650000	3750	CP-OFDM 256 QAM	1@1	15.86	15.75	18.82	21.58	0.1437

78	30	90	650000	3750	CP-OFDM 256 QAM	1@243	15.79	15.59	18.70	21.46	0.1400
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	120@60	21.8	21.93	24.88	27.64	0.5802
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	1@1	21.87	21.93	24.91	27.67	0.5848
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	1@243	21.79	21.69	24.75	27.51	0.5637
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	120@60	21.85	21.94	24.91	27.67	0.5842
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	21.96	21.93	24.96	27.72	0.5909
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@243	21.8	21.71	24.77	27.53	0.5657
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	120@60	21.46	21.48	24.48	27.24	0.5297
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	21.49	21.57	24.54	27.30	0.5371
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@243	21.31	21.29	24.31	27.07	0.5094
78	30	90	650332	3754.98	DFT-s-OFDM 64 QAM	120@60	20.01	20.07	23.05	25.81	0.3811
78	30	90	650332	3754.98	DFT-s-OFDM 64 QAM	1@1	20.23	20.3	23.28	26.04	0.4014
78	30	90	650332	3754.98	DFT-s-OFDM 64 QAM	1@243	20.16	20	23.09	25.85	0.3847
78	30	90	650332	3754.98	DFT-s-OFDM 256 QAM	120@60	17.91	17.94	20.94	23.70	0.2342
78	30	90	650332	3754.98	DFT-s-OFDM 256 QAM	1@1	17.98	18.06	21.03	23.79	0.2394
78	30	90	650332	3754.98	DFT-s-OFDM 256 QAM	1@243	17.83	17.77	20.81	23.57	0.2275
78	30	90	650332	3754.98	CP-OFDM QPSK	123@61	20.69	20.68	23.70	26.46	0.4421
78	30	90	650332	3754.98	CP-OFDM QPSK	1@1	20.75	20.67	23.72	26.48	0.4447
78	30	90	650332	3754.98	CP-OFDM QPSK	1@243	20.81	20.42	23.63	26.39	0.4355
78	30	90	650332	3754.98	CP-OFDM 16 QAM	123@61	20.23	20.24	23.25	26.01	0.3986
78	30	90	650332	3754.98	CP-OFDM 16 QAM	1@1	20.23	20.14	23.20	25.96	0.3941
78	30	90	650332	3754.98	CP-OFDM 16 QAM	1@243	20.23	19.87	23.06	25.82	0.3823
78	30	90	650332	3754.98	CP-OFDM 64 QAM	123@61	18.72	18.7	21.72	24.48	0.2806
78	30	90	650332	3754.98	CP-OFDM 64 QAM	1@1	18.81	18.78	21.81	24.57	0.2861
78	30	90	650332	3754.98	CP-OFDM 64 QAM	1@243	18.9	18.54	21.73	24.49	0.2815
78	30	90	650332	3754.98	CP-OFDM 256 QAM	123@61	15.7	15.69	18.71	21.47	0.1401
78	30	90	650332	3754.98	CP-OFDM 256 QAM	1@1	15.81	15.73	18.78	21.54	0.1426
78	30	90	650332	3754.98	CP-OFDM 256 QAM	1@243	15.81	15.5	18.67	21.43	0.1389
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	21.85	22.03	24.95	27.71	0.5904
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	21.88	21.9	24.90	27.66	0.5835
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	21.78	21.83	24.82	27.58	0.5722
78	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	21.92	22.09	25.02	27.78	0.5993
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	21.86	21.9	24.89	27.65	0.5821

78	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	21.82	21.78	24.81	27.57	0.5715
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	21.49	21.66	24.59	27.35	0.5428
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.31	21.45	24.39	27.15	0.5189
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	21.37	21.29	24.34	27.10	0.5129
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	20	20.16	23.09	25.85	0.3847
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	19.98	20.09	23.05	25.81	0.3807
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	20.06	19.96	23.02	25.78	0.3785
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	17.93	18.09	21.02	23.78	0.2388
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	17.88	17.98	20.94	23.70	0.2345
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	17.94	17.97	20.97	23.73	0.2358
78	30	100	650000	3750	CP-OFDM QPSK	137@68	20.87	20.75	23.82	26.58	0.4551
78	30	100	650000	3750	CP-OFDM QPSK	1@1	20.81	20.86	23.85	26.61	0.4577
78	30	100	650000	3750	CP-OFDM QPSK	1@271	20.74	20.5	23.63	26.39	0.4357
78	30	100	650000	3750	CP-OFDM 16 QAM	137@68	20.27	20.27	23.28	26.04	0.4018
78	30	100	650000	3750	CP-OFDM 16 QAM	1@1	20.1	20.17	23.15	25.91	0.3895
78	30	100	650000	3750	CP-OFDM 16 QAM	1@271	20.23	19.81	23.04	25.80	0.3798
78	30	100	650000	3750	CP-OFDM 64 QAM	137@68	18.73	18.78	21.77	24.53	0.2835
78	30	100	650000	3750	CP-OFDM 64 QAM	1@1	18.77	18.92	21.86	24.62	0.2895
78	30	100	650000	3750	CP-OFDM 64 QAM	1@271	18.84	18.53	21.70	24.46	0.2791
78	30	100	650000	3750	CP-OFDM 256 QAM	137@68	15.79	15.81	18.81	21.57	0.1436
78	30	100	650000	3750	CP-OFDM 256 QAM	1@1	15.71	15.75	18.74	21.50	0.1413
78	30	100	650000	3750	CP-OFDM 256 QAM	1@271	15.76	15.46	18.62	21.38	0.1375

Note: MIMO Gain=10*LOG(((10^(Gain1/20)+10^(Gain2/20))^2)/2)

FR1 N78(MIMO ANT2)

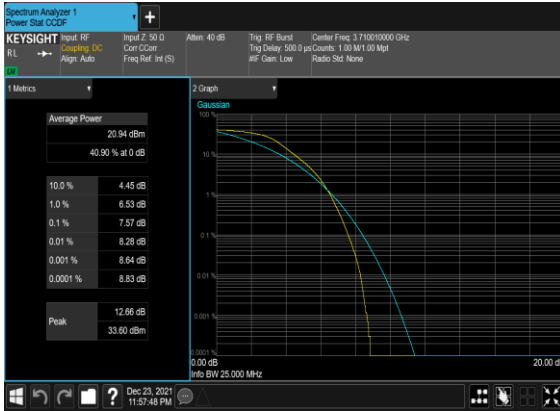
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	-0.00657	PASS	NV
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	-0.00217	PASS	LV
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	-0.0063	PASS	HV
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	-0.00428	PASS	-30°C
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	-0.00667	PASS	-20°C
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	-0.00275	PASS	-10°C
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	-0.00468	PASS	0°C
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	-0.00529	PASS	10°C
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	-0.00392	PASS	20°C
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	-0.00221	PASS	30°C
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	-0.00461	PASS	40°C
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	-0.00554	PASS	50°C

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	50@0	7.57	13	PASS
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@0	7.35	13	PASS
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	50@0	10.43	13	PASS
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	9.07	13	PASS
78	30	20	650000	3750.0	DFT-s-OFDM PI/2 BPSK	50@0	7.12	13	PASS
78	30	20	650000	3750.0	DFT-s-OFDM PI/2 BPSK	1@0	7.38	13	PASS
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	7.8	13	PASS
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	1@0	7.57	13	PASS
78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	50@0	7.14	13	PASS
78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	1@0	7.37	13	PASS
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	50@0	8.0	13	PASS
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@0	8.12	13	PASS

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



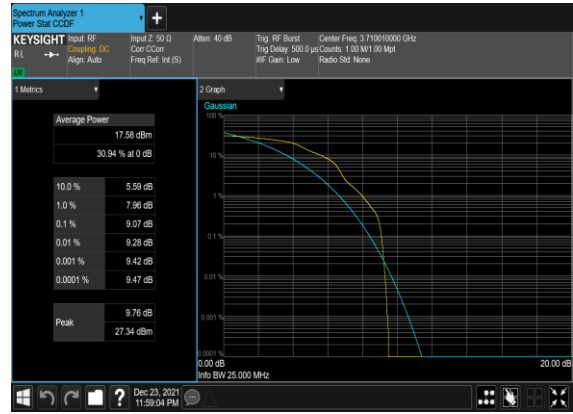
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N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



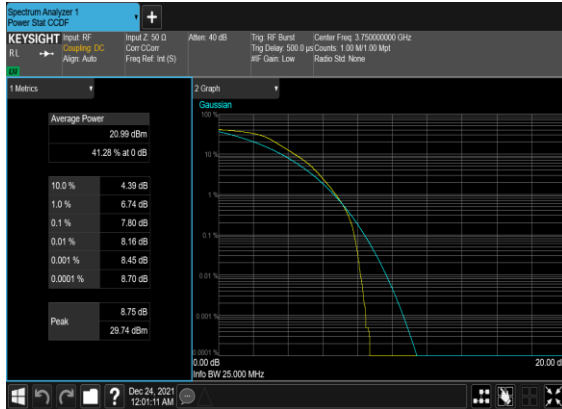
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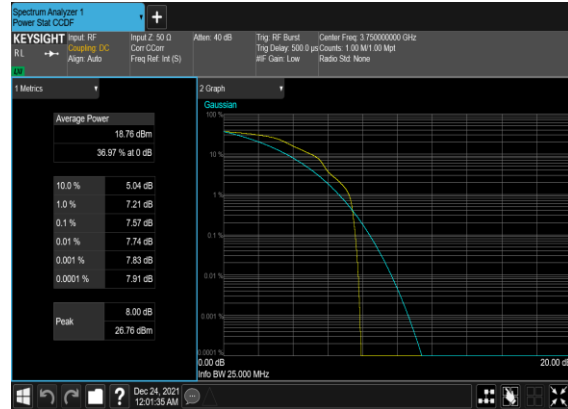
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



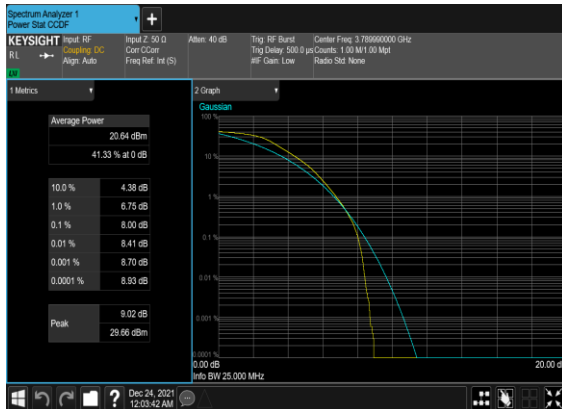
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



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



N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



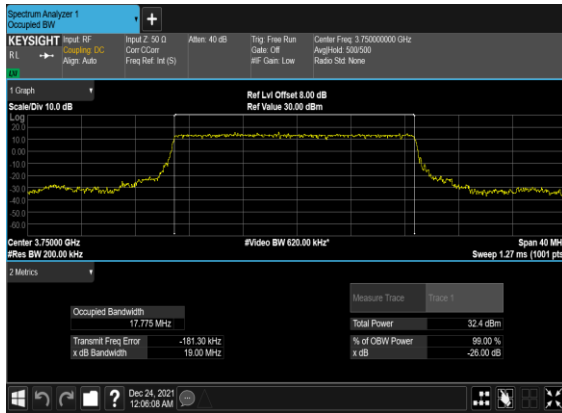
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
78	30	20	650000	3750.0	DFT-s-OFDM PI/2 BPSK	50@0	17.775	19.0
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	17.797	19.22
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	18.206	19.56
78	30	20	650000	3750.0	CP-OFDM 16 QAM	51@0	18.22	19.58
78	30	20	650000	3750.0	CP-OFDM 64 QAM	51@0	18.204	19.33
78	30	20	650000	3750.0	CP-OFDM 256 QAM	51@0	18.166	19.57
78	30	30	650000	3750.0	DFT-s-OFDM PI/2 BPSK	75@0	26.768	28.6
78	30	30	650000	3750.0	DFT-s-OFDM QPSK	75@0	26.736	28.3
78	30	30	650000	3750.0	CP-OFDM QPSK	78@0	27.875	29.68
78	30	30	650000	3750.0	CP-OFDM 16 QAM	78@0	27.82	29.48
78	30	30	650000	3750.0	CP-OFDM 64 QAM	78@0	27.814	29.61
78	30	30	650000	3750.0	CP-OFDM 256 QAM	78@0	27.838	29.41
78	30	40	650000	3750.0	DFT-s-OFDM PI/2 BPSK	100@0	35.734	37.28
78	30	40	650000	3750.0	DFT-s-OFDM QPSK	100@0	35.712	37.52
78	30	40	650000	3750.0	CP-OFDM QPSK	106@0	37.834	39.65
78	30	40	650000	3750.0	CP-OFDM 16 QAM	106@0	37.78	39.74
78	30	40	650000	3750.0	CP-OFDM 64 QAM	106@0	37.813	39.56
78	30	40	650000	3750.0	CP-OFDM 256 QAM	106@0	37.905	39.56
78	30	50	650000	3750.0	DFT-s-OFDM PI/2 BPSK	128@0	45.717	47.68
78	30	50	650000	3750.0	DFT-s-OFDM QPSK	128@0	45.81	47.47
78	30	50	650000	3750.0	CP-OFDM QPSK	133@0	47.448	49.49
78	30	50	650000	3750.0	CP-OFDM 16 QAM	133@0	47.517	49.75
78	30	50	650000	3750.0	CP-OFDM 64 QAM	133@0	47.444	49.46
78	30	50	650000	3750.0	CP-OFDM 256 QAM	133@0	47.569	49.36

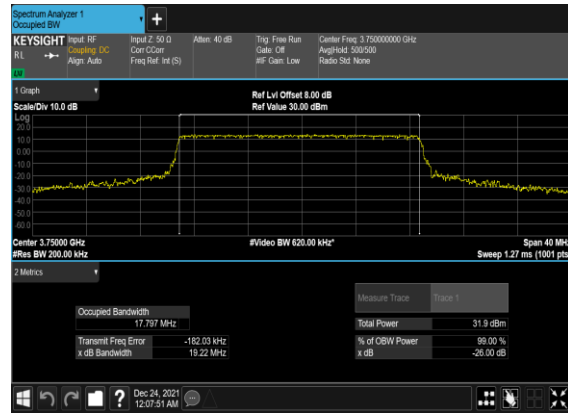
78	30	60	650000	3750.0	DFT-s-OFDM PI/2 BPSK	162@0	57.883	60.0
78	30	60	650000	3750.0	DFT-s-OFDM QPSK	162@0	57.888	60.18
78	30	60	650000	3750.0	CP-OFDM QPSK	162@0	57.815	59.9
78	30	60	650000	3750.0	CP-OFDM 16 QAM	162@0	57.774	60.0
78	30	60	650000	3750.0	CP-OFDM 64 QAM	162@0	57.756	59.86
78	30	60	650000	3750.0	CP-OFDM 256 QAM	162@0	57.816	59.81
78	30	70	650000	3750.0	DFT-s-OFDM PI/2 BPSK	180@0	64.346	66.47
78	30	70	650000	3750.0	DFT-s-OFDM QPSK	180@0	64.359	66.7
78	30	70	650000	3750.0	CP-OFDM QPSK	189@0	67.443	69.88
78	30	70	650000	3750.0	CP-OFDM 16 QAM	189@0	67.426	69.8
78	30	70	650000	3750.0	CP-OFDM 64 QAM	189@0	67.446	69.78
78	30	70	650000	3750.0	CP-OFDM 256 QAM	189@0	67.417	70.06
78	30	80	650000	3750.0	DFT-s-OFDM PI/2 BPSK	216@0	77.185	79.74
78	30	80	650000	3750.0	DFT-s-OFDM QPSK	216@0	77.126	79.79
78	30	80	650000	3750.0	CP-OFDM QPSK	217@0	77.417	80.05
78	30	80	650000	3750.0	CP-OFDM 16 QAM	217@0	77.457	80.11
78	30	80	650000	3750.0	CP-OFDM 64 QAM	217@0	77.553	80.18
78	30	80	650000	3750.0	CP-OFDM 256 QAM	217@0	77.527	80.08
78	30	90	650000	3750.0	DFT-s-OFDM PI/2 BPSK	240@0	85.709	88.65
78	30	90	650000	3750.0	DFT-s-OFDM QPSK	240@0	85.66	88.7
78	30	90	650000	3750.0	CP-OFDM QPSK	245@0	87.485	90.2
78	30	90	650000	3750.0	CP-OFDM 16 QAM	245@0	87.413	90.48
78	30	90	650000	3750.0	CP-OFDM 64 QAM	245@0	87.506	90.46
78	30	90	650000	3750.0	CP-OFDM 256 QAM	245@0	87.597	90.33
78	30	100	650000	3750.0	DFT-s-OFDM PI/2 BPSK	270@0	96.377	99.57
78	30	100	650000	3750.0	DFT-s-OFDM	270@0	96.363	99.74

QPSK									
78	30	100	650000	3750.0	CP-OFDM QPSK	273@0	97.538	100.8	
78	30	100	650000	3750.0	CP-OFDM 16 QAM	273@0	97.569	100.8	
78	30	100	650000	3750.0	CP-OFDM 64 QAM	273@0	97.416	100.5	
78	30	100	650000	3750.0	CP-OFDM 256 QAM	273@0	97.328	100.7	

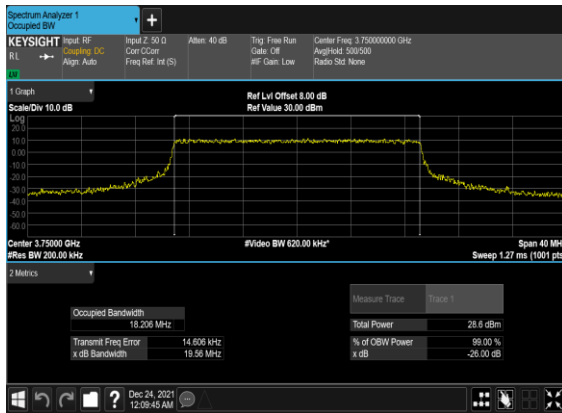
N78(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



N78(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



N78(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N78(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH

