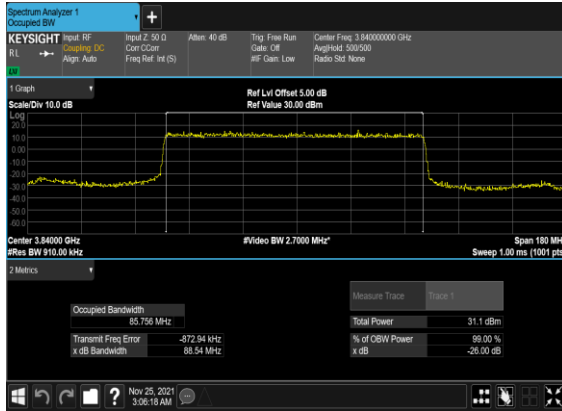
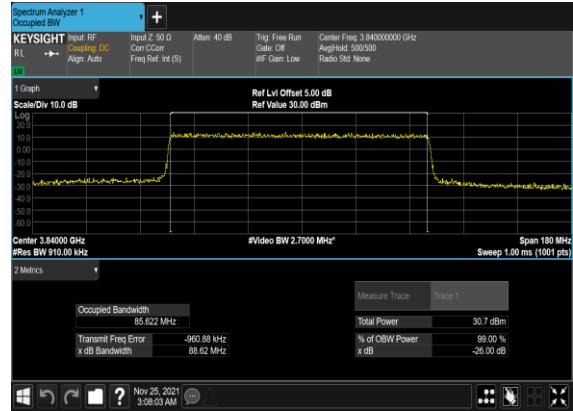


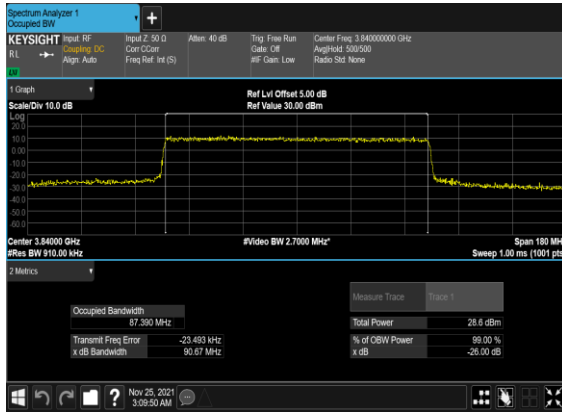
N77(90M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



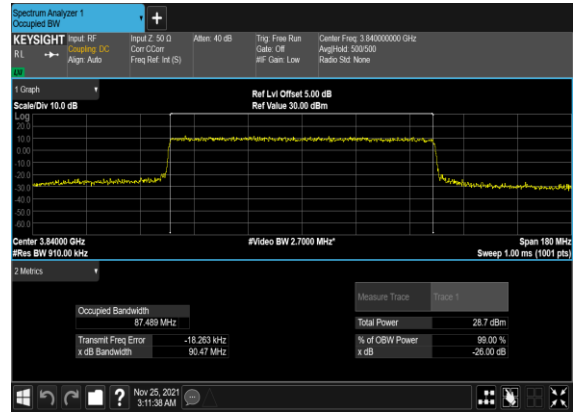
N77(90M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



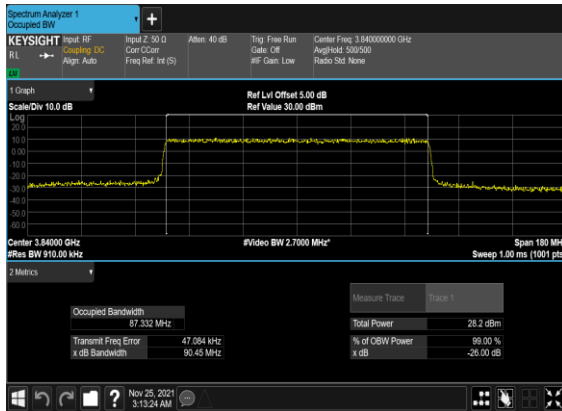
N77(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



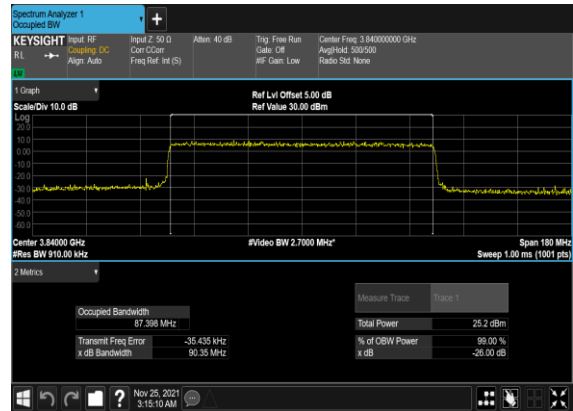
N77(90M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



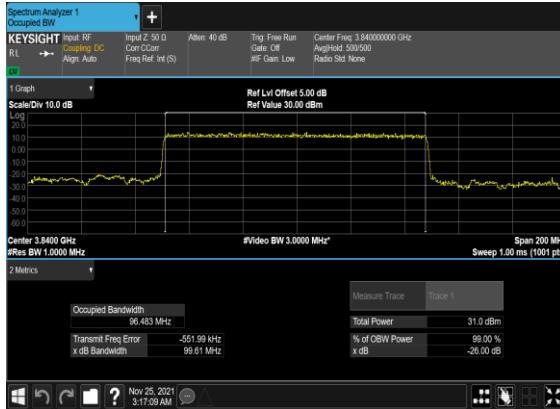
N77(90M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



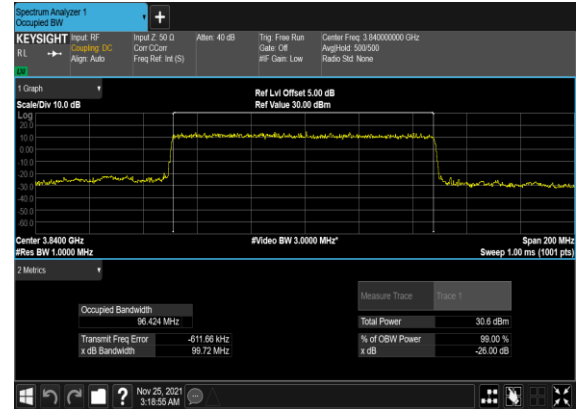
N77(90M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



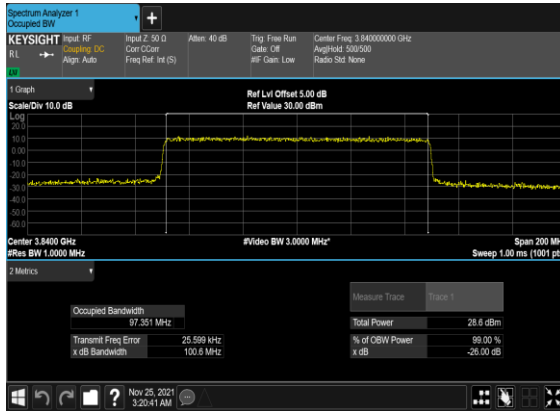
N77(100M)_DFT-s-OFDM_PI_2- BPSK_Outer_Full_Mid_CH



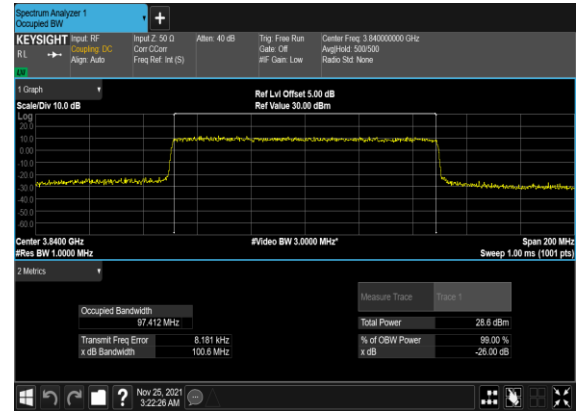
N77(100M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



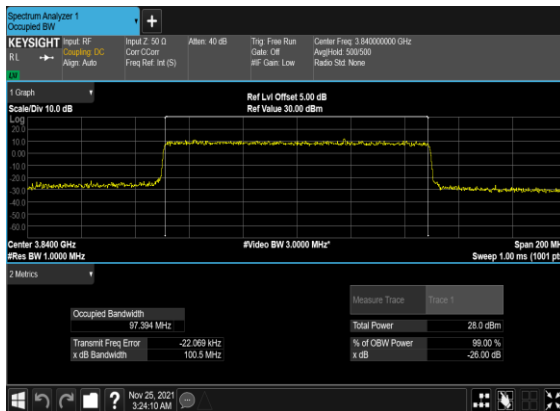
N77(100M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



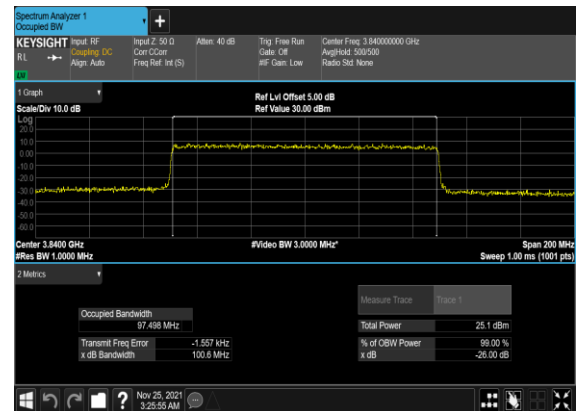
N77(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



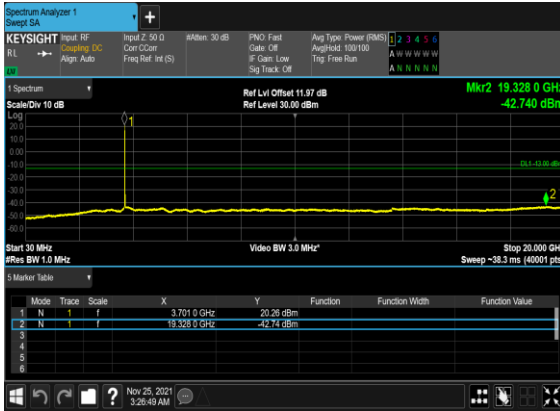
Conducted Spurious Emissions

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	---

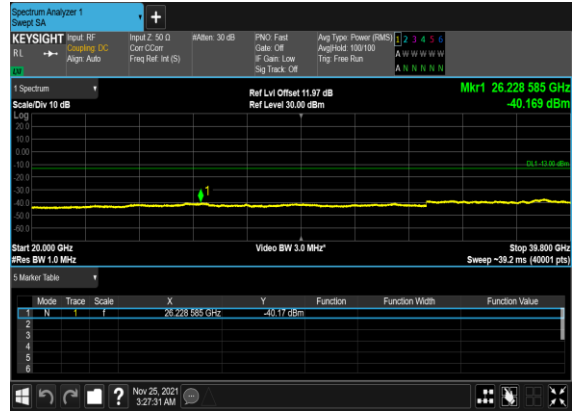
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	60	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	60	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	60	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	60	656000	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

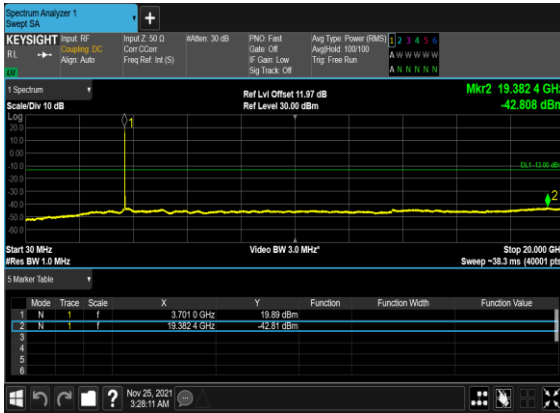
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



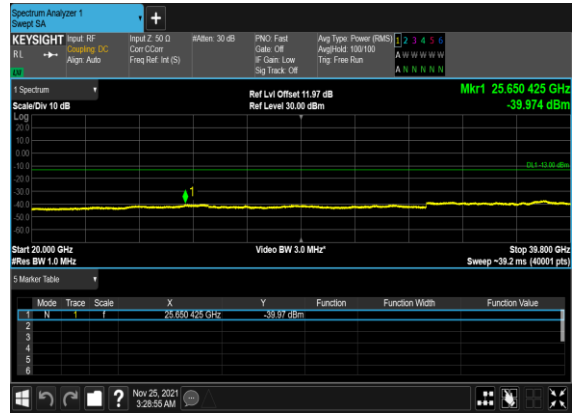
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



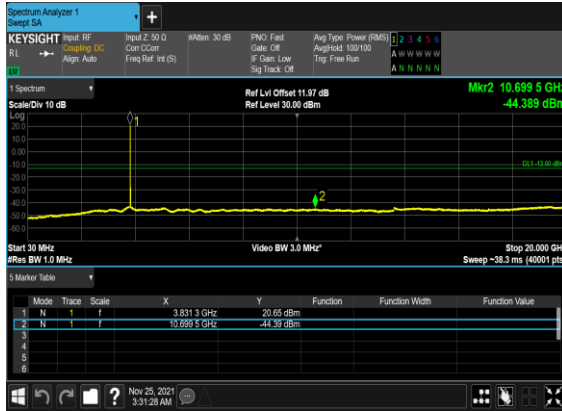
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



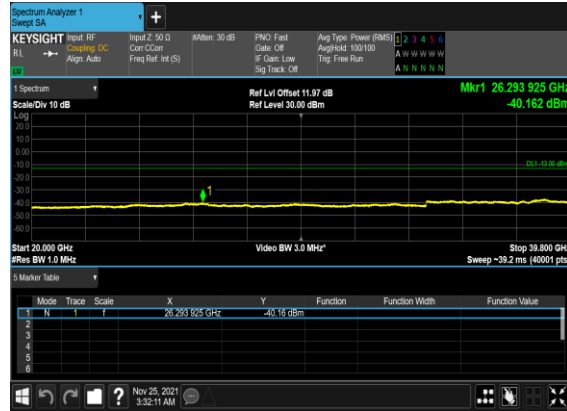
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



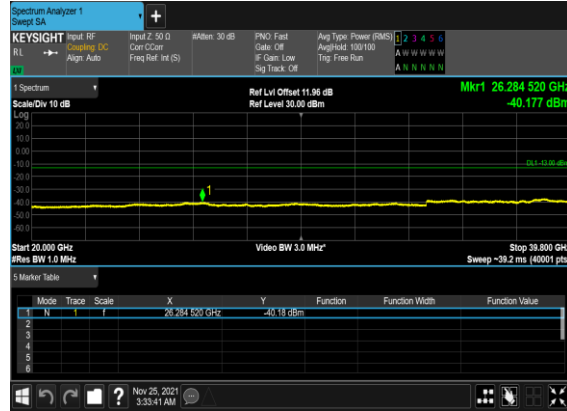
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



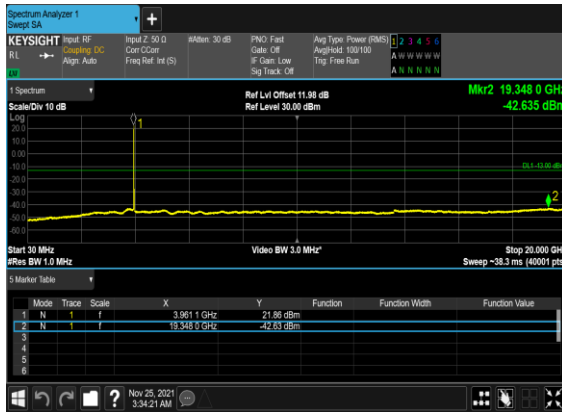
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



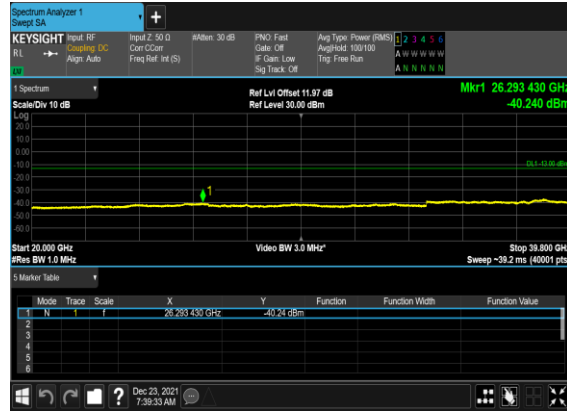
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



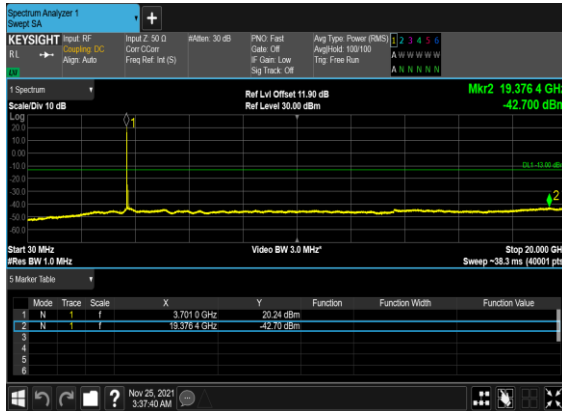
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



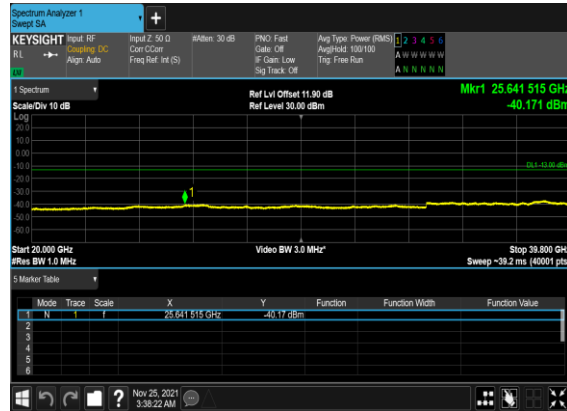
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



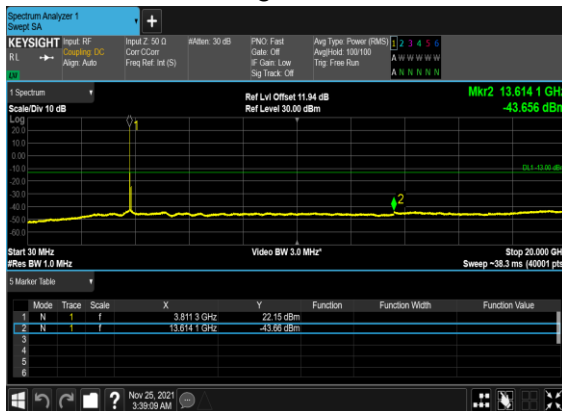
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



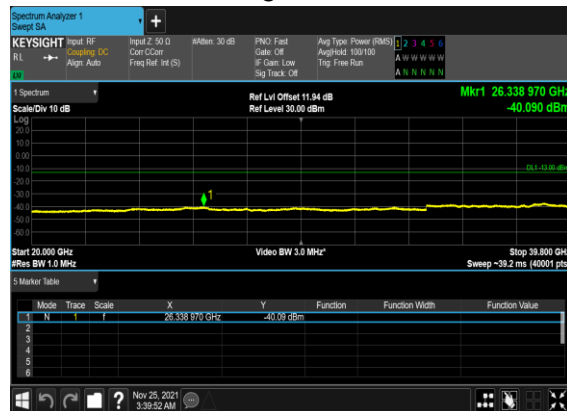
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



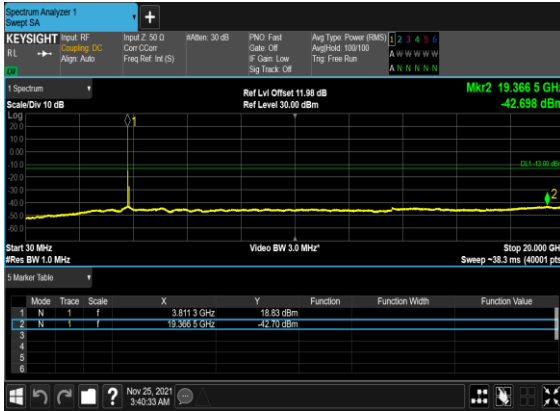
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



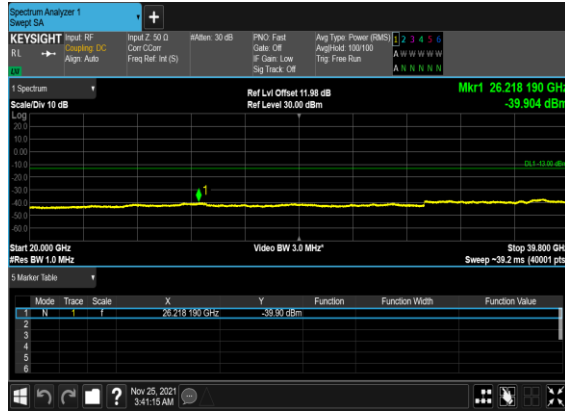
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



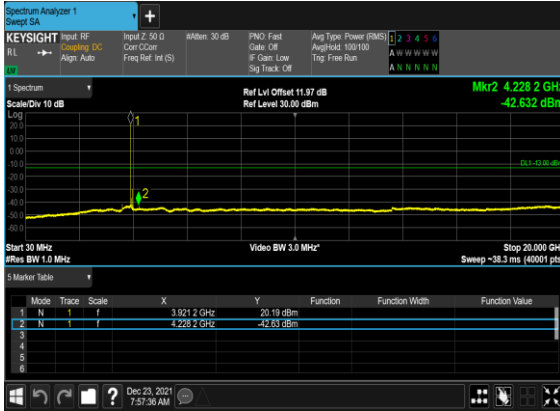
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



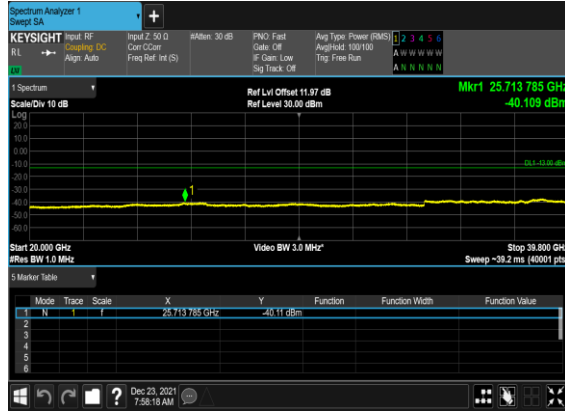
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



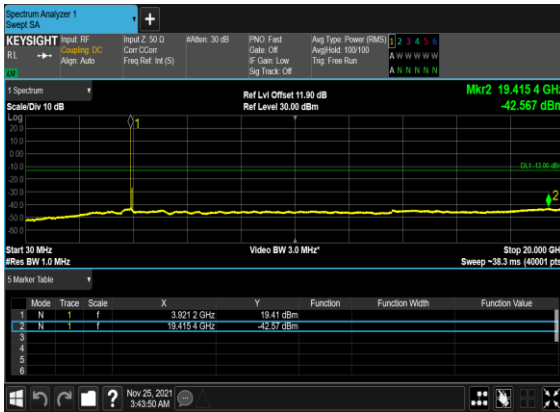
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



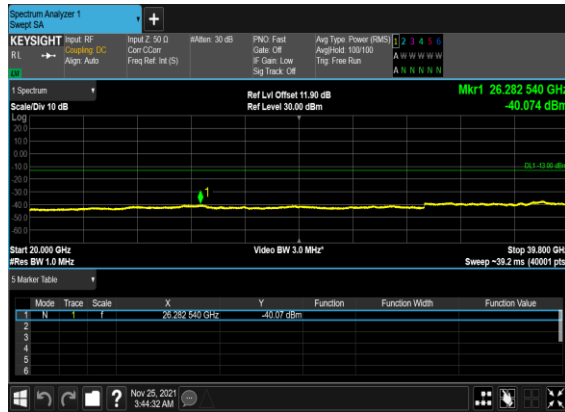
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



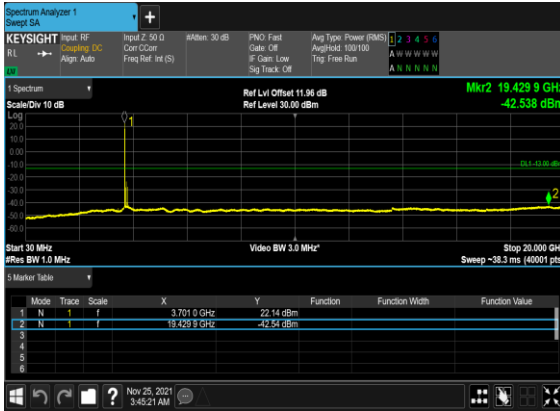
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



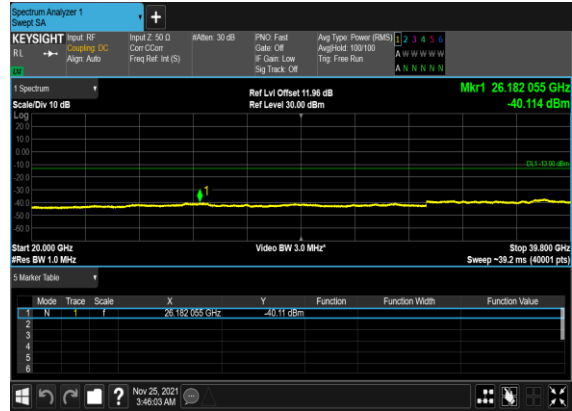
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



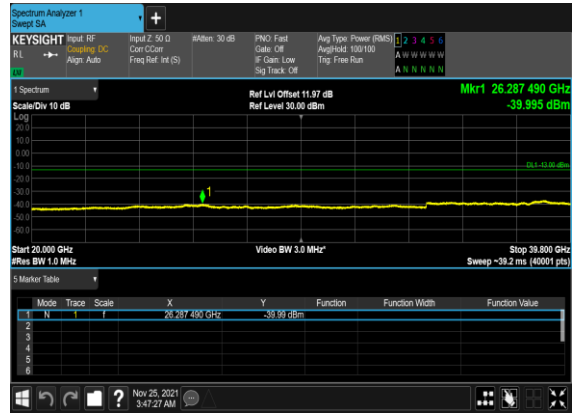
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



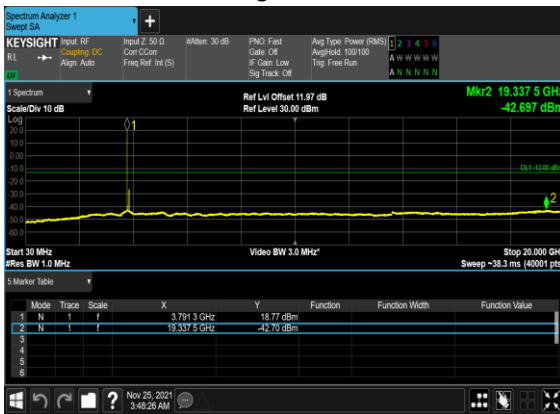
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



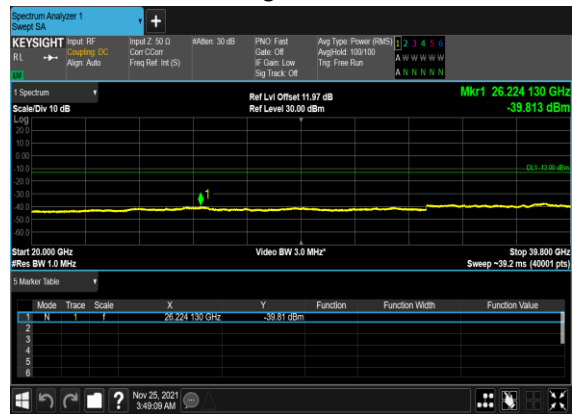
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



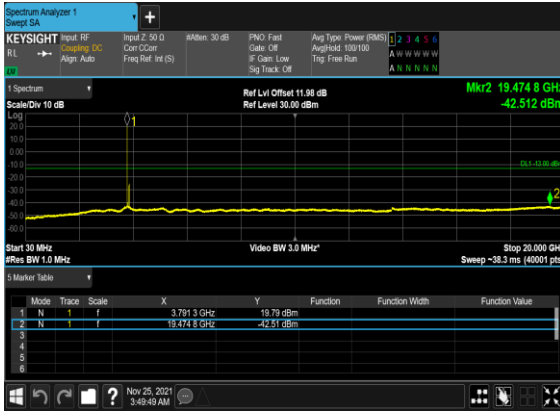
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



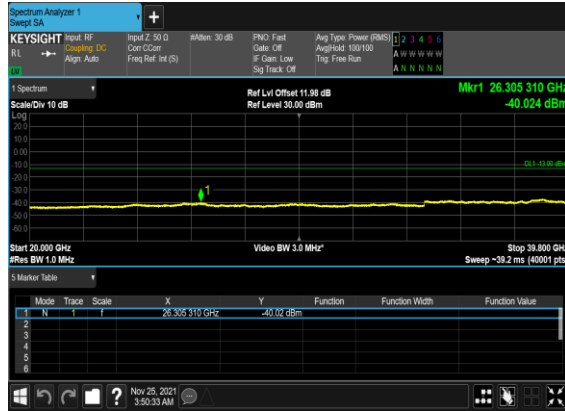
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



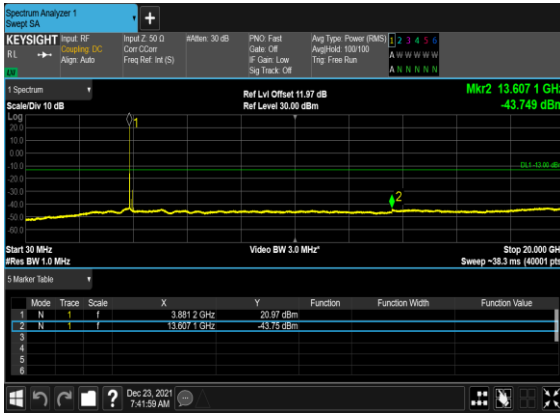
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



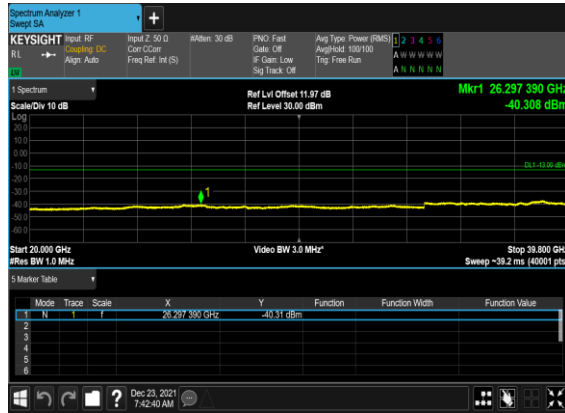
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



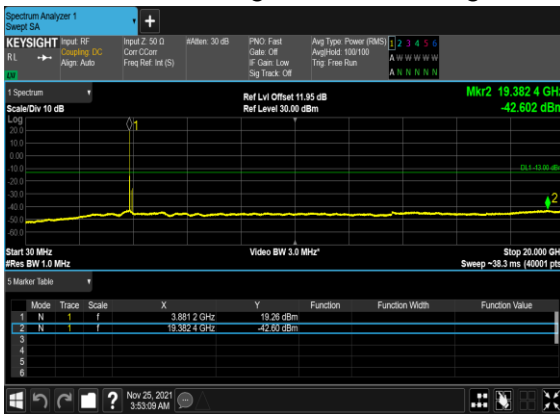
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



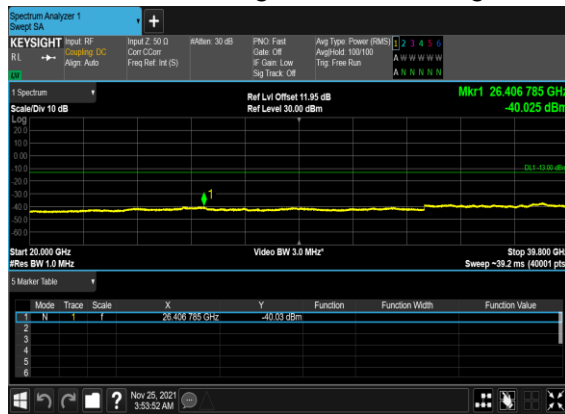
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



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

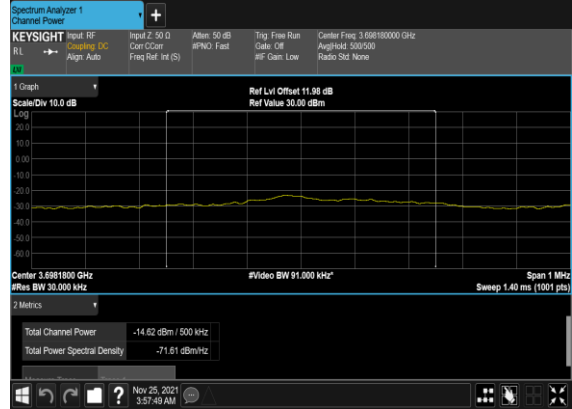
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	20	647334	3710.01	DFT-s-OFDM BPSK	50@0	see graph	PASS
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	50@0	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

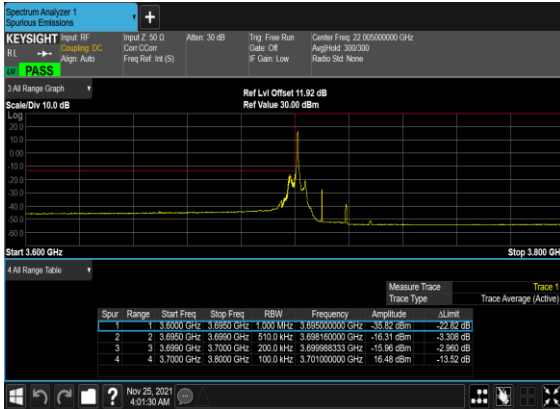
N77(20M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



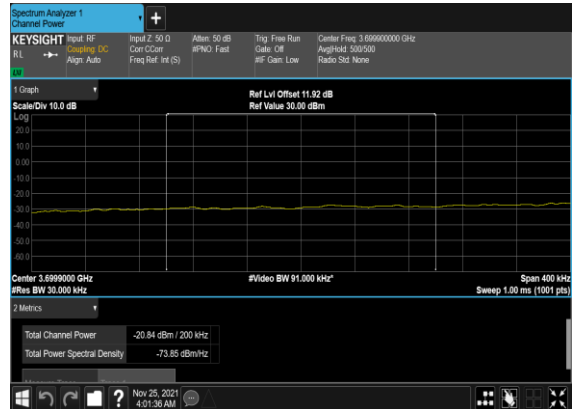
N77(20M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH_chp_ PASS



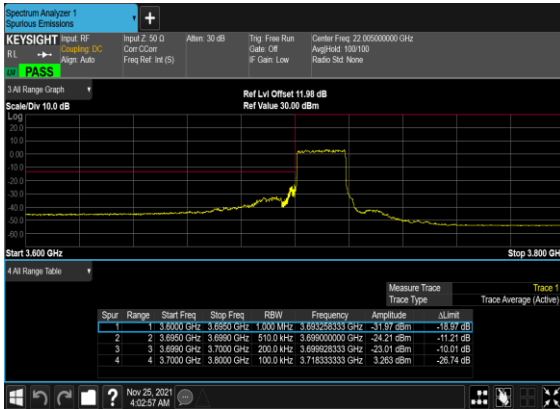
N77(20M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



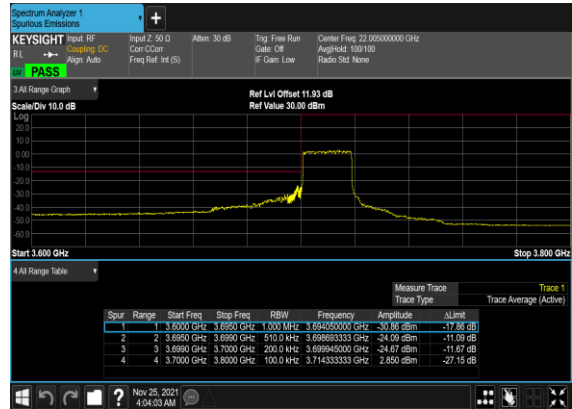
N77(20M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH_chp_ PASS



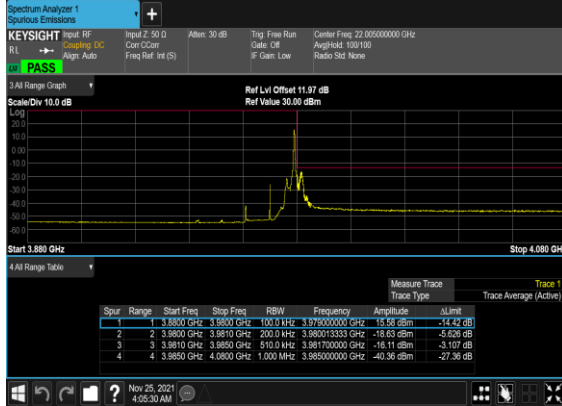
N77(20M)_DFT-s- OFDM_BPSK_Outer_Full_Low_CH



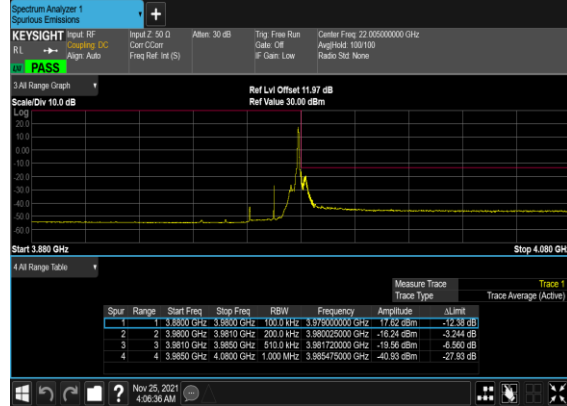
N77(20M)_DFT-s- OFDM_QPSK_Outer_Full_Low_CH



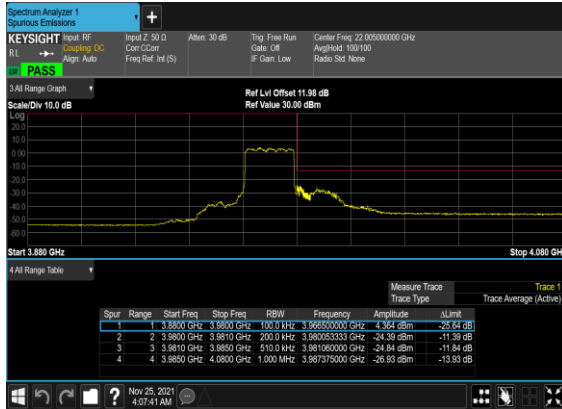
N77(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



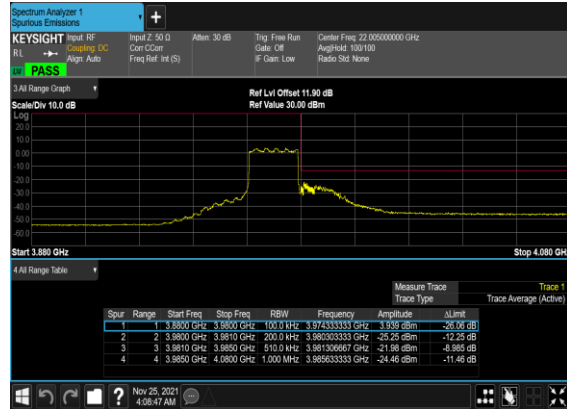
N77(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



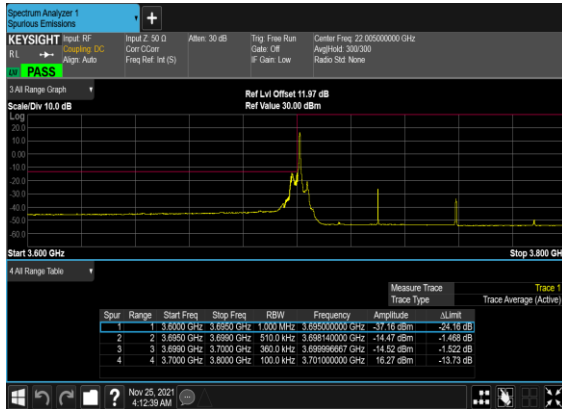
N77(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



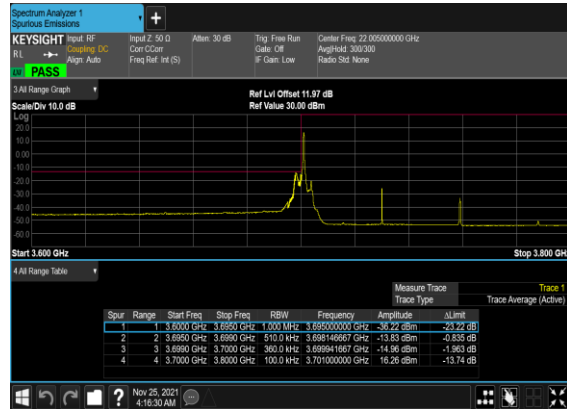
N77(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



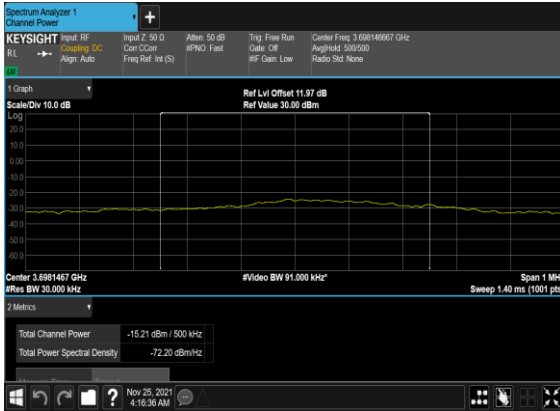
N77(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



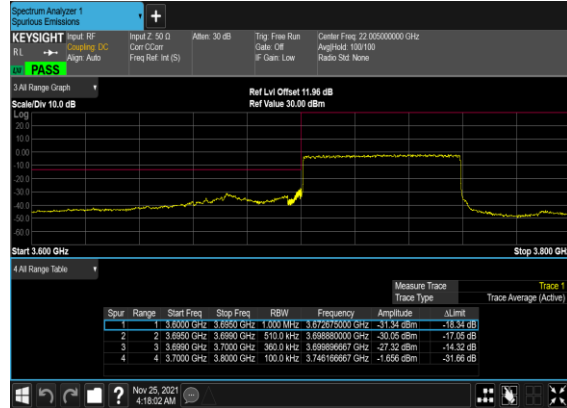
N77(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



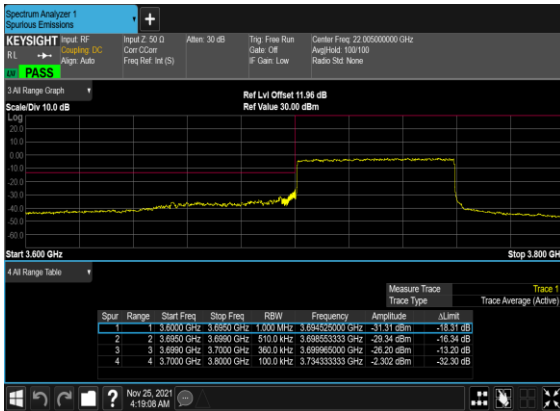
N77(60M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_ PASS



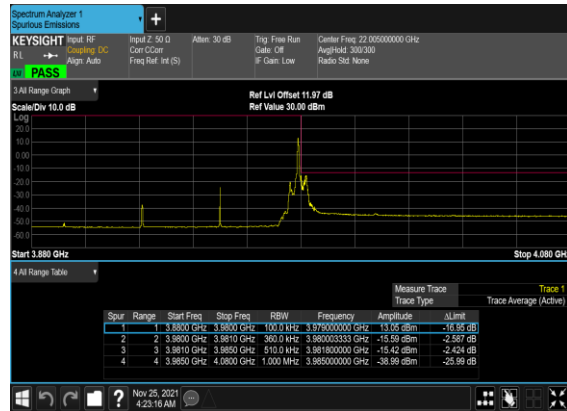
N77(60M)_DFT-s- OFDM_BPSK_Outer_Full_Low_CH



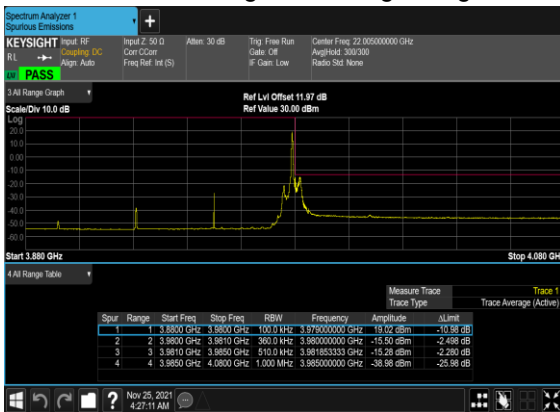
N77(60M)_DFT-s- OFDM_QPSK_Outer_Full_Low_CH



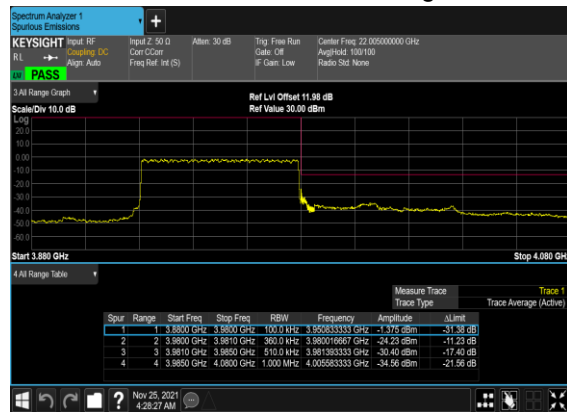
N77(60M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_High_CH



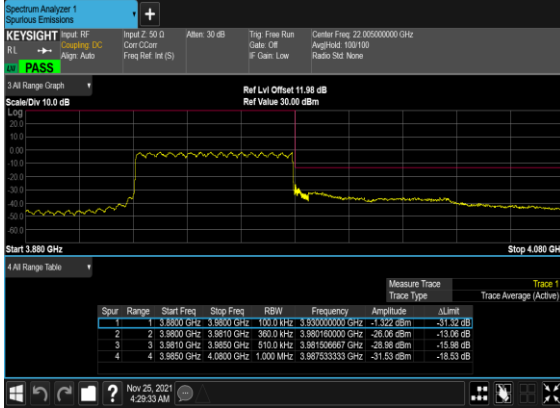
N77(60M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_High_CH



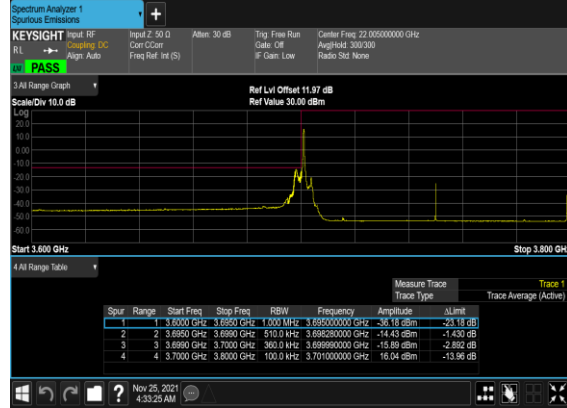
N77(60M)_DFT-s- OFDM_BPSK_Outer_Full_High_CH



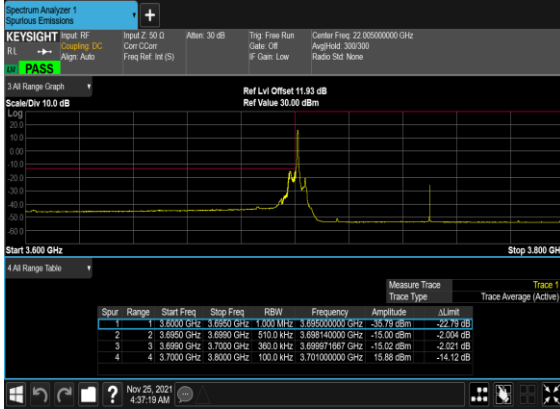
N77(60M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



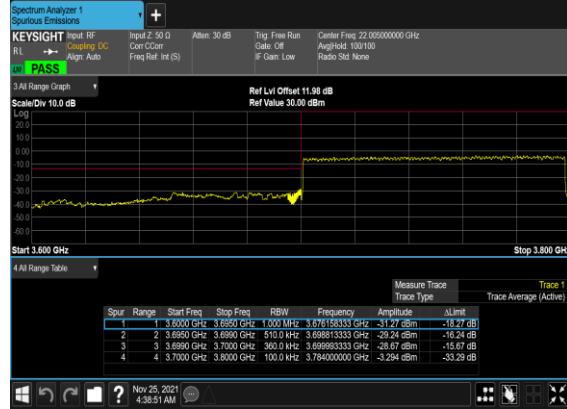
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



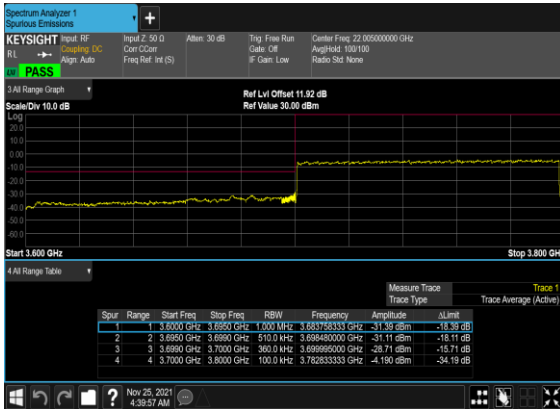
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



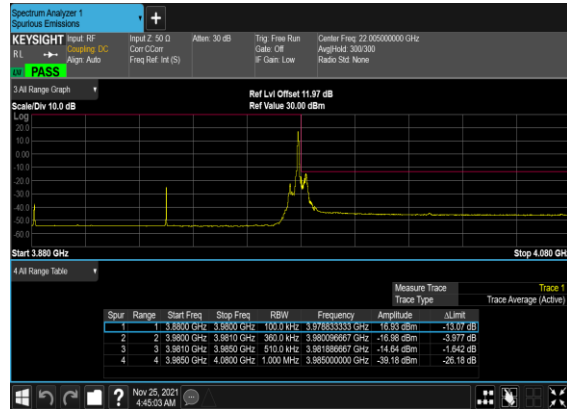
N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



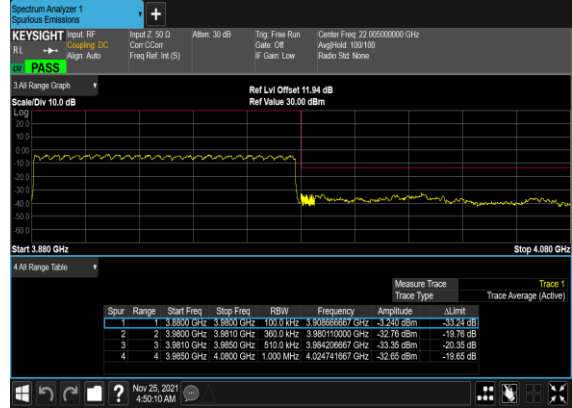
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



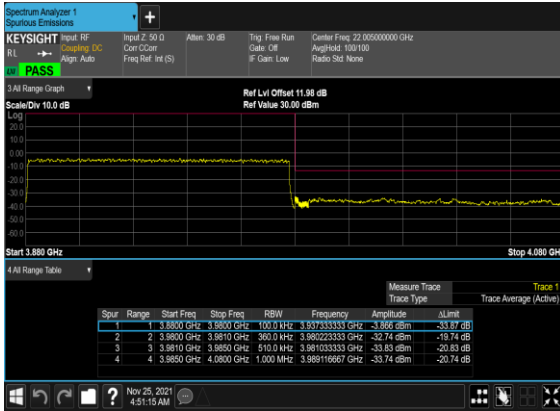
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



FR1 N77 MIMO-ANT2+ANT7

Transmitter Conducted Output Power And ERP/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)
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	25@12	23.1	22.47	25.81	28.57	0.7189
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@1	22.99	22.5	25.76	28.52	0.7116
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@49	22.97	22.47	25.74	28.50	0.7075
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	25@12	23.01	22.47	25.76	28.52	0.7110
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	22.95	22.47	25.73	28.49	0.7058
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@49	22.96	22.31	25.66	28.42	0.6946
77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	25@12	22.09	21.6	24.86	27.62	0.5784
77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	22.04	21.48	24.78	27.54	0.5675
77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@49	21.88	21.38	24.65	27.41	0.5505
77	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	25@12	20.63	20.05	23.36	26.12	0.4093
77	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	1@1	20.75	20.18	23.48	26.24	0.4212
77	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	1@49	20.59	20.13	23.38	26.14	0.4108
77	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	25@12	18.63	18.01	21.34	24.10	0.2571
77	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	1@1	18.4	18.09	21.26	24.02	0.2522
77	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	1@49	18.43	18.04	21.25	24.01	0.2517
77	30	20	647334	3710.01	CP-OFDM QPSK	25@12	21.65	21.25	24.46	27.16	0.5206
77	30	20	647334	3710.01	CP-OFDM QPSK	1@1	21.74	21.16	24.47	27.17	0.5212
77	30	20	647334	3710.01	CP-OFDM QPSK	1@49	21.77	20.99	24.41	27.11	0.5138
77	30	20	647334	3710.01	CP-OFDM 16 QAM	25@12	21.28	20.74	24.03	26.73	0.4708
77	30	20	647334	3710.01	CP-OFDM 16 QAM	1@1	21.12	20.89	24.02	26.72	0.4696

77	30	20	647334	3710.01	CP-OFDM 16 QAM	1@49	21.19	20.8	24.01	26.71	0.4688
77	30	20	647334	3710.01	CP-OFDM 64 QAM	25@12	19.68	19.23	22.47	25.17	0.3289
77	30	20	647334	3710.01	CP-OFDM 64 QAM	1@1	19.62	19.14	22.40	25.10	0.3234
77	30	20	647334	3710.01	CP-OFDM 64 QAM	1@49	19.71	19.08	22.42	25.12	0.3248
77	30	20	647334	3710.01	CP-OFDM 256 QAM	25@12	16.56	16.22	19.40	22.10	0.1623
77	30	20	647334	3710.01	CP-OFDM 256 QAM	1@1	16.44	16.27	19.37	22.07	0.1609
77	30	20	647334	3710.01	CP-OFDM 256 QAM	1@49	16.04	16.05	19.06	21.76	0.1498
77	30	20	656000	3840	DFT-s- OFDM PI/2 BPSK	25@12	22.95	21.97	25.50	28.26	0.6696
77	30	20	656000	3840	DFT-s- OFDM PI/2 BPSK	1@1	22.96	21.95	25.49	28.25	0.6691
77	30	20	656000	3840	DFT-s- OFDM PI/2 BPSK	1@49	22.8	21.97	25.42	28.18	0.6569
77	30	20	656000	3840	DFT-s- OFDM QPSK	25@12	22.95	21.95	25.49	28.25	0.6682
77	30	20	656000	3840	DFT-s- OFDM QPSK	1@1	22.81	21.9	25.39	28.15	0.6530
77	30	20	656000	3840	DFT-s- OFDM QPSK	1@49	22.82	21.94	25.41	28.17	0.6565
77	30	20	656000	3840	DFT-s- OFDM 16 QAM	25@12	21.96	21	24.52	27.28	0.5342
77	30	20	656000	3840	DFT-s- OFDM 16 QAM	1@1	21.69	20.81	24.28	27.04	0.5061
77	30	20	656000	3840	DFT-s- OFDM 16 QAM	1@49	21.69	20.75	24.26	27.02	0.5030
77	30	20	656000	3840	DFT-s- OFDM 64 QAM	25@12	20.47	19.52	23.03	25.79	0.3794
77	30	20	656000	3840	DFT-s- OFDM 64 QAM	1@1	20.48	19.51	23.03	25.79	0.3795
77	30	20	656000	3840	DFT-s- OFDM 64 QAM	1@49	20.43	19.51	23.00	25.76	0.3771
77	30	20	656000	3840	DFT-s- OFDM 256 QAM	25@12	18.41	17.48	20.98	23.74	0.2366
77	30	20	656000	3840	DFT-s- OFDM 256 QAM	1@1	18.38	17.47	20.96	23.72	0.2355
77	30	20	656000	3840	DFT-s- OFDM 256 QAM	1@49	18.15	17.32	20.77	23.53	0.2252
77	30	20	656000	3840	CP-OFDM QPSK	25@12	21.42	20.58	24.03	26.73	0.4710
77	30	20	656000	3840	CP-OFDM QPSK	1@1	21.45	20.49	24.01	26.71	0.4685
77	30	20	656000	3840	CP-OFDM QPSK	1@49	21.46	20.48	24.01	26.71	0.4686
77	30	20	656000	3840	CP-OFDM 16 QAM	25@12	20.93	20.03	23.51	26.21	0.4182

77	30	20	656000	3840	CP-OFDM 16 QAM	1@1	20.84	20.25	23.57	26.27	0.4232
77	30	20	656000	3840	CP-OFDM 16 QAM	1@49	20.82	20.27	23.56	26.26	0.4231
77	30	20	656000	3840	CP-OFDM 64 QAM	25@12	19.41	18.5	21.99	24.69	0.2944
77	30	20	656000	3840	CP-OFDM 64 QAM	1@1	19.3	18.39	21.88	24.58	0.2870
77	30	20	656000	3840	CP-OFDM 64 QAM	1@49	19.41	18.49	21.98	24.68	0.2941
77	30	20	656000	3840	CP-OFDM 256 QAM	25@12	16.36	15.51	18.97	21.67	0.1468
77	30	20	656000	3840	CP-OFDM 256 QAM	1@1	16.23	15.51	18.90	21.60	0.1444
77	30	20	656000	3840	CP-OFDM 256 QAM	1@49	16.2	15.45	18.85	21.55	0.1429
77	30	20	664666	3969.99	DFT-s- OFDM PI/2 BPSK	25@12	22.81	21.66	25.28	28.04	0.6373
77	30	20	664666	3969.99	DFT-s- OFDM PI/2 BPSK	1@1	22.72	21.7	25.25	28.01	0.6324
77	30	20	664666	3969.99	DFT-s- OFDM PI/2 BPSK	1@49	22.92	21.78	25.40	28.16	0.6543
77	30	20	664666	3969.99	DFT-s- OFDM QPSK	25@12	22.83	21.7	25.31	28.07	0.6415
77	30	20	664666	3969.99	DFT-s- OFDM QPSK	1@1	22.61	21.64	25.16	27.92	0.6198
77	30	20	664666	3969.99	DFT-s- OFDM QPSK	1@49	22.88	21.81	25.39	28.15	0.6529
77	30	20	664666	3969.99	DFT-s- OFDM 16 QAM	25@12	21.91	20.89	24.44	27.20	0.5248
77	30	20	664666	3969.99	DFT-s- OFDM 16 QAM	1@1	21.72	20.53	24.18	26.94	0.4938
77	30	20	664666	3969.99	DFT-s- OFDM 16 QAM	1@49	21.77	20.71	24.28	27.04	0.5061
77	30	20	664666	3969.99	DFT-s- OFDM 64 QAM	25@12	20.4	19.27	22.88	25.64	0.3666
77	30	20	664666	3969.99	DFT-s- OFDM 64 QAM	1@1	20.43	19.27	22.90	25.66	0.3680
77	30	20	664666	3969.99	DFT-s- OFDM 64 QAM	1@49	20.63	19.46	23.09	25.85	0.3850
77	30	20	664666	3969.99	DFT-s- OFDM 256 QAM	25@12	18.4	17.35	20.92	23.68	0.2332
77	30	20	664666	3969.99	DFT-s- OFDM 256 QAM	1@1	18.28	17.18	20.78	23.54	0.2257
77	30	20	664666	3969.99	DFT-s- OFDM 256 QAM	1@49	18.35	17.33	20.88	23.64	0.2312
77	30	20	664666	3969.99	CP-OFDM QPSK	25@12	21.45	20.57	24.04	26.74	0.4723
77	30	20	664666	3969.99	CP-OFDM QPSK	1@1	21.5	20.37	23.98	26.68	0.4658
77	30	20	664666	3969.99	CP-OFDM QPSK	1@49	21.82	20.45	24.20	26.90	0.4897

77	30	20	664666	3969.99	CP-OFDM 16 QAM	25@12	21.04	19.96	23.54	26.24	0.4211
77	30	20	664666	3969.99	CP-OFDM 16 QAM	1@1	20.86	20.11	23.51	26.21	0.4180
77	30	20	664666	3969.99	CP-OFDM 16 QAM	1@49	21.12	20.2	23.69	26.39	0.4360
77	30	20	664666	3969.99	CP-OFDM 64 QAM	25@12	19.48	18.46	22.01	24.71	0.2958
77	30	20	664666	3969.99	CP-OFDM 64 QAM	1@1	19.45	18.37	21.95	24.65	0.2920
77	30	20	664666	3969.99	CP-OFDM 64 QAM	1@49	19.69	18.47	22.13	24.83	0.3043
77	30	20	664666	3969.99	CP-OFDM 256 QAM	25@12	16.39	15.39	18.93	21.63	0.1455
77	30	20	664666	3969.99	CP-OFDM 256 QAM	1@1	16.24	15.49	18.89	21.59	0.1443
77	30	20	664666	3969.99	CP-OFDM 256 QAM	1@49	16.32	15.55	18.96	21.66	0.1466
77	30	30	647668	3715.02	DFT-s- OFDM PI/2 BPSK	36@18	23.02	22.43	25.75	28.51	0.7088
77	30	30	647668	3715.02	DFT-s- OFDM PI/2 BPSK	1@1	22.98	22.5	25.76	28.52	0.7107
77	30	30	647668	3715.02	DFT-s- OFDM PI/2 BPSK	1@76	23.01	22.31	25.68	28.44	0.6989
77	30	30	647668	3715.02	DFT-s- OFDM QPSK	36@18	23.1	22.42	25.78	28.54	0.7151
77	30	30	647668	3715.02	DFT-s- OFDM QPSK	1@1	22.94	22.46	25.72	28.48	0.7042
77	30	30	647668	3715.02	DFT-s- OFDM QPSK	1@76	22.82	22.32	25.59	28.35	0.6835
77	30	30	647668	3715.02	DFT-s- OFDM 16 QAM	36@18	22.03	21.49	24.78	27.54	0.5674
77	30	30	647668	3715.02	DFT-s- OFDM 16 QAM	1@1	21.99	21.42	24.72	27.48	0.5604
77	30	30	647668	3715.02	DFT-s- OFDM 16 QAM	1@76	21.95	21.36	24.68	27.44	0.5540
77	30	30	647668	3715.02	DFT-s- OFDM 64 QAM	36@18	20.56	20.1	23.35	26.11	0.4080
77	30	30	647668	3715.02	DFT-s- OFDM 64 QAM	1@1	20.64	20.14	23.41	26.17	0.4138
77	30	30	647668	3715.02	DFT-s- OFDM 64 QAM	1@76	20.55	19.95	23.27	26.03	0.4009
77	30	30	647668	3715.02	DFT-s- OFDM 256 QAM	36@18	18.55	18.05	21.32	24.08	0.2557
77	30	30	647668	3715.02	DFT-s- OFDM 256 QAM	1@1	18.54	18.07	21.32	24.08	0.2560
77	30	30	647668	3715.02	DFT-s- OFDM 256 QAM	1@76	18.38	17.85	21.13	23.89	0.2451
77	30	30	647668	3715.02	CP-OFDM QPSK	39@19	21.62	21.26	24.45	27.15	0.5193
77	30	30	647668	3715.02	CP-OFDM QPSK	1@1	21.72	21.12	24.44	27.14	0.5177

77	30	30	647668	3715.02	CP-OFDM QPSK	1@76	21.69	21.04	24.39	27.09	0.5114
77	30	30	647668	3715.02	CP-OFDM 16 QAM	39@19	21.16	20.72	23.96	26.66	0.4630
77	30	30	647668	3715.02	CP-OFDM 16 QAM	1@1	21.2	21	24.11	26.81	0.4799
77	30	30	647668	3715.02	CP-OFDM 16 QAM	1@76	21.12	20.89	24.02	26.72	0.4696
77	30	30	647668	3715.02	CP-OFDM 64 QAM	39@19	19.57	19.14	22.37	25.07	0.3214
77	30	30	647668	3715.02	CP-OFDM 64 QAM	1@1	19.69	19.16	22.44	25.14	0.3268
77	30	30	647668	3715.02	CP-OFDM 64 QAM	1@76	19.71	19.01	22.38	25.08	0.3224
77	30	30	647668	3715.02	CP-OFDM 256 QAM	39@19	16.59	16.19	19.40	22.10	0.1624
77	30	30	647668	3715.02	CP-OFDM 256 QAM	1@1	16.52	16.23	19.39	22.09	0.1617
77	30	30	647668	3715.02	CP-OFDM 256 QAM	1@76	16.43	15.32	18.92	21.62	0.1452
77	30	30	656000	3840	DFT-s- OFDM PI/2 BPSK	36@18	22.81	22	25.43	28.19	0.6598
77	30	30	656000	3840	DFT-s- OFDM PI/2 BPSK	1@1	22.94	22.04	25.52	28.28	0.6735
77	30	30	656000	3840	DFT-s- OFDM PI/2 BPSK	1@76	22.76	21.85	25.34	28.10	0.6455
77	30	30	656000	3840	DFT-s- OFDM QPSK	36@18	22.83	21.96	25.43	28.19	0.6587
77	30	30	656000	3840	DFT-s- OFDM QPSK	1@1	22.8	21.96	25.41	28.17	0.6562
77	30	30	656000	3840	DFT-s- OFDM QPSK	1@76	22.78	21.88	25.36	28.12	0.6492
77	30	30	656000	3840	DFT-s- OFDM 16 QAM	36@18	21.93	21.03	24.51	27.27	0.5338
77	30	30	656000	3840	DFT-s- OFDM 16 QAM	1@1	21.82	20.93	24.41	27.17	0.5210
77	30	30	656000	3840	DFT-s- OFDM 16 QAM	1@76	21.76	20.8	24.32	27.08	0.5101
77	30	30	656000	3840	DFT-s- OFDM 64 QAM	36@18	20.45	19.63	23.07	25.83	0.3828
77	30	30	656000	3840	DFT-s- OFDM 64 QAM	1@1	20.52	19.67	23.13	25.89	0.3878
77	30	30	656000	3840	DFT-s- OFDM 64 QAM	1@76	20.42	19.49	22.99	25.75	0.3759
77	30	30	656000	3840	DFT-s- OFDM 256 QAM	36@18	18.4	17.49	20.98	23.74	0.2365
77	30	30	656000	3840	DFT-s- OFDM 256 QAM	1@1	18.31	17.52	20.94	23.70	0.2346
77	30	30	656000	3840	DFT-s- OFDM 256 QAM	1@76	18.2	17.33	20.80	23.56	0.2268
77	30	30	656000	3840	CP-OFDM QPSK	39@19	21.44	20.64	24.07	26.77	0.4752

77	30	30	656000	3840	CP-OFDM QPSK	1@1	21.6	20.65	24.16	26.86	0.4854
77	30	30	656000	3840	CP-OFDM QPSK	1@76	21.49	20.44	24.01	26.71	0.4685
77	30	30	656000	3840	CP-OFDM 16 QAM	39@19	20.99	20.12	23.59	26.29	0.4253
77	30	30	656000	3840	CP-OFDM 16 QAM	1@1	21.13	20.49	23.83	26.53	0.4500
77	30	30	656000	3840	CP-OFDM 16 QAM	1@76	21.02	20.31	23.69	26.39	0.4355
77	30	30	656000	3840	CP-OFDM 64 QAM	39@19	19.37	18.6	22.01	24.71	0.2960
77	30	30	656000	3840	CP-OFDM 64 QAM	1@1	19.42	18.78	22.12	24.82	0.3035
77	30	30	656000	3840	CP-OFDM 64 QAM	1@76	19.35	18.64	22.02	24.72	0.2965
77	30	30	656000	3840	CP-OFDM 256 QAM	39@19	16.46	15.65	19.08	21.78	0.1508
77	30	30	656000	3840	CP-OFDM 256 QAM	1@1	16.27	15.72	19.01	21.71	0.1484
77	30	30	656000	3840	CP-OFDM 256 QAM	1@76	16.32	15.62	18.99	21.69	0.1477
77	30	30	664332	3964.98	DFT-s- OFDM PI/2 BPSK	36@18	22.74	21.69	25.26	28.02	0.6334
77	30	30	664332	3964.98	DFT-s- OFDM PI/2 BPSK	1@1	22.67	21.64	25.20	27.96	0.6246
77	30	30	664332	3964.98	DFT-s- OFDM PI/2 BPSK	1@76	22.83	21.83	25.37	28.13	0.6500
77	30	30	664332	3964.98	DFT-s- OFDM QPSK	36@18	22.82	21.71	25.31	28.07	0.6413
77	30	30	664332	3964.98	DFT-s- OFDM QPSK	1@1	22.69	21.6	25.19	27.95	0.6236
77	30	30	664332	3964.98	DFT-s- OFDM QPSK	1@76	22.87	21.69	25.33	28.09	0.6442
77	30	30	664332	3964.98	DFT-s- OFDM 16 QAM	36@18	21.89	20.82	24.40	27.16	0.5198
77	30	30	664332	3964.98	DFT-s- OFDM 16 QAM	1@1	21.79	20.64	24.26	27.02	0.5039
77	30	30	664332	3964.98	DFT-s- OFDM 16 QAM	1@76	21.81	20.73	24.31	27.07	0.5098
77	30	30	664332	3964.98	DFT-s- OFDM 64 QAM	36@18	20.47	19.38	22.97	25.73	0.3741
77	30	30	664332	3964.98	DFT-s- OFDM 64 QAM	1@1	20.35	19.24	22.84	25.60	0.3631
77	30	30	664332	3964.98	DFT-s- OFDM 64 QAM	1@76	20.4	19.35	22.92	25.68	0.3696
77	30	30	664332	3964.98	DFT-s- OFDM 256 QAM	36@18	18.29	17.18	20.78	23.54	0.2260
77	30	30	664332	3964.98	DFT-s- OFDM 256 QAM	1@1	18.19	17.2	20.73	23.49	0.2235
77	30	30	664332	3964.98	DFT-s- OFDM 256 QAM	1@76	18.3	17.28	20.83	23.59	0.2286

77	30	30	664332	3964.98	CP-OFDM QPSK	39@19	21.42	20.46	23.98	26.68	0.4652
77	30	30	664332	3964.98	CP-OFDM QPSK	1@1	21.4	20.38	23.93	26.63	0.4603
77	30	30	664332	3964.98	CP-OFDM QPSK	1@76	21.67	20.55	24.16	26.86	0.4849
77	30	30	664332	3964.98	CP-OFDM 16 QAM	39@19	20.9	19.94	23.46	26.16	0.4127
77	30	30	664332	3964.98	CP-OFDM 16 QAM	1@1	20.82	20.14	23.50	26.20	0.4172
77	30	30	664332	3964.98	CP-OFDM 16 QAM	1@76	21.01	20.25	23.66	26.36	0.4322
77	30	30	664332	3964.98	CP-OFDM 64 QAM	39@19	19.41	18.35	21.92	24.62	0.2899
77	30	30	664332	3964.98	CP-OFDM 64 QAM	1@1	19.32	18.46	21.92	24.62	0.2898
77	30	30	664332	3964.98	CP-OFDM 64 QAM	1@76	19.6	18.52	22.10	24.80	0.3023
77	30	30	664332	3964.98	CP-OFDM 256 QAM	39@19	16.33	15.43	18.91	21.61	0.1450
77	30	30	664332	3964.98	CP-OFDM 256 QAM	1@1	16.53	15.38	19.00	21.70	0.1480
77	30	30	664332	3964.98	CP-OFDM 256 QAM	1@76	16.44	15.32	18.93	21.63	0.1454
77	30	40	648000	3720	DFT-s- OFDM PI/2 BPSK	50@25	23.02	22.51	25.78	28.54	0.7150
77	30	40	648000	3720	DFT-s- OFDM PI/2 BPSK	1@1	23.11	22.61	25.88	28.64	0.7307
77	30	40	648000	3720	DFT-s- OFDM PI/2 BPSK	1@104	22.93	22.32	25.65	28.41	0.6928
77	30	40	648000	3720	DFT-s- OFDM QPSK	50@25	22.91	22.48	25.71	28.47	0.7032
77	30	40	648000	3720	DFT-s- OFDM QPSK	1@1	22.99	22.6	25.81	28.57	0.7194
77	30	40	648000	3720	DFT-s- OFDM QPSK	1@104	22.85	22.29	25.59	28.35	0.6838
77	30	40	648000	3720	DFT-s- OFDM 16 QAM	50@25	22.02	21.42	24.74	27.50	0.5624
77	30	40	648000	3720	DFT-s- OFDM 16 QAM	1@1	22.01	21.58	24.81	27.57	0.5716
77	30	40	648000	3720	DFT-s- OFDM 16 QAM	1@104	21.84	21.22	24.55	27.31	0.5384
77	30	40	648000	3720	DFT-s- OFDM 64 QAM	50@25	20.55	19.97	23.28	26.04	0.4018
77	30	40	648000	3720	DFT-s- OFDM 64 QAM	1@1	20.66	20.22	23.46	26.22	0.4184
77	30	40	648000	3720	DFT-s- OFDM 64 QAM	1@104	20.51	19.85	23.20	25.96	0.3947
77	30	40	648000	3720	DFT-s- OFDM 256 QAM	50@25	18.56	17.96	21.28	24.04	0.2536
77	30	40	648000	3720	DFT-s- OFDM 256 QAM	1@1	18.64	18.33	21.50	24.26	0.2666

77	30	40	648000	3720	DFT-s-OFDM 256 QAM	1@104	18.4	17.74	21.09	23.85	0.2428
77	30	40	648000	3720	CP-OFDM QPSK	53@26	21.6	21.23	24.43	27.13	0.5163
77	30	40	648000	3720	CP-OFDM QPSK	1@1	21.97	21.39	24.70	27.40	0.5495
77	30	40	648000	3720	CP-OFDM QPSK	1@104	21.79	21.07	24.46	27.16	0.5194
77	30	40	648000	3720	CP-OFDM 16 QAM	53@26	21.21	20.74	23.99	26.69	0.4668
77	30	40	648000	3720	CP-OFDM 16 QAM	1@1	21.34	21.23	24.30	27.00	0.5007
77	30	40	648000	3720	CP-OFDM 16 QAM	1@104	21.22	20.97	24.11	26.81	0.4794
77	30	40	648000	3720	CP-OFDM 64 QAM	53@26	19.64	19.28	22.47	25.17	0.3292
77	30	40	648000	3720	CP-OFDM 64 QAM	1@1	19.77	19.33	22.57	25.27	0.3362
77	30	40	648000	3720	CP-OFDM 64 QAM	1@104	19.59	19	22.32	25.02	0.3173
77	30	40	648000	3720	CP-OFDM 256 QAM	53@26	16.6	16.17	19.40	22.10	0.1622
77	30	40	648000	3720	CP-OFDM 256 QAM	1@1	16.62	16.43	19.54	22.24	0.1674
77	30	40	648000	3720	CP-OFDM 256 QAM	1@104	16.56	16.12	19.36	22.06	0.1605
77	30	40	656000	3840	DFT-s-OFDM PI/2 BPSK	50@25	22.85	22.03	25.47	28.23	0.6652
77	30	40	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	22.96	22.18	25.60	28.36	0.6851
77	30	40	656000	3840	DFT-s-OFDM PI/2 BPSK	1@104	22.73	21.84	25.32	28.08	0.6424
77	30	40	656000	3840	DFT-s-OFDM QPSK	50@25	22.85	22.04	25.47	28.23	0.6659
77	30	40	656000	3840	DFT-s-OFDM QPSK	1@1	23.02	22.15	25.62	28.38	0.6882
77	30	40	656000	3840	DFT-s-OFDM QPSK	1@104	22.73	21.84	25.32	28.08	0.6424
77	30	40	656000	3840	DFT-s-OFDM 16 QAM	50@25	21.97	21.12	24.58	27.34	0.5415
77	30	40	656000	3840	DFT-s-OFDM 16 QAM	1@1	22.08	21.21	24.68	27.44	0.5542
77	30	40	656000	3840	DFT-s-OFDM 16 QAM	1@104	21.88	20.98	24.46	27.22	0.5277
77	30	40	656000	3840	DFT-s-OFDM 64 QAM	50@25	20.51	19.61	23.09	25.85	0.3849
77	30	40	656000	3840	DFT-s-OFDM 64 QAM	1@1	20.63	19.8	23.25	26.01	0.3986
77	30	40	656000	3840	DFT-s-OFDM 64 QAM	1@104	20.47	19.48	23.01	25.77	0.3779
77	30	40	656000	3840	DFT-s-OFDM 256 QAM	50@25	18.39	17.59	21.02	23.78	0.2387

77	30	40	656000	3840	DFT-s-OFDM 256 QAM	1@1	18.56	17.64	21.13	23.89	0.2452
77	30	40	656000	3840	DFT-s-OFDM 256 QAM	1@104	18.3	17.4	20.88	23.64	0.2314
77	30	40	656000	3840	CP-OFDM QPSK	53@26	21.44	20.66	24.08	26.78	0.4762
77	30	40	656000	3840	CP-OFDM QPSK	1@1	21.7	20.79	24.28	26.98	0.4988
77	30	40	656000	3840	CP-OFDM QPSK	1@104	21.54	20.43	24.03	26.73	0.4710
77	30	40	656000	3840	CP-OFDM 16 QAM	53@26	21.01	20.13	23.60	26.30	0.4268
77	30	40	656000	3840	CP-OFDM 16 QAM	1@1	21.18	20.56	23.89	26.59	0.4562
77	30	40	656000	3840	CP-OFDM 16 QAM	1@104	20.95	20.26	23.63	26.33	0.4294
77	30	40	656000	3840	CP-OFDM 64 QAM	53@26	19.46	18.59	22.06	24.76	0.2990
77	30	40	656000	3840	CP-OFDM 64 QAM	1@1	19.63	18.73	22.21	24.91	0.3100
77	30	40	656000	3840	CP-OFDM 64 QAM	1@104	19.52	18.46	22.03	24.73	0.2973
77	30	40	656000	3840	CP-OFDM 256 QAM	53@26	16.47	15.61	19.07	21.77	0.1504
77	30	40	656000	3840	CP-OFDM 256 QAM	1@1	16.49	15.79	19.16	21.86	0.1536
77	30	40	656000	3840	CP-OFDM 256 QAM	1@104	16.37	15.49	18.96	21.66	0.1466
77	30	40	664000	3960	DFT-s-OFDM PI/2 BPSK	50@25	22.89	21.73	25.36	28.12	0.6485
77	30	40	664000	3960	DFT-s-OFDM PI/2 BPSK	1@1	22.77	21.81	25.33	28.09	0.6437
77	30	40	664000	3960	DFT-s-OFDM PI/2 BPSK	1@104	23	21.96	25.52	28.28	0.6732
77	30	40	664000	3960	DFT-s-OFDM QPSK	50@25	22.92	21.72	25.37	28.13	0.6504
77	30	40	664000	3960	DFT-s-OFDM QPSK	1@1	22.88	21.72	25.35	28.11	0.6470
77	30	40	664000	3960	DFT-s-OFDM QPSK	1@104	22.96	21.93	25.49	28.25	0.6677
77	30	40	664000	3960	DFT-s-OFDM 16 QAM	50@25	22.01	20.84	24.47	27.23	0.5290
77	30	40	664000	3960	DFT-s-OFDM 16 QAM	1@1	21.73	20.68	24.25	27.01	0.5020
77	30	40	664000	3960	DFT-s-OFDM 16 QAM	1@104	21.93	20.83	24.43	27.19	0.5230
77	30	40	664000	3960	DFT-s-OFDM 64 QAM	50@25	20.5	19.39	22.99	25.75	0.3759
77	30	40	664000	3960	DFT-s-OFDM 64 QAM	1@1	20.5	19.49	23.03	25.79	0.3797
77	30	40	664000	3960	DFT-s-OFDM 64 QAM	1@104	20.67	19.62	23.19	25.95	0.3933

77	30	40	664000	3960	DFT-s-OFDM 256 QAM	50@25	18.35	17.33	20.88	23.64	0.2312
77	30	40	664000	3960	DFT-s-OFDM 256 QAM	1@1	18.36	17.32	20.88	23.64	0.2313
77	30	40	664000	3960	DFT-s-OFDM 256 QAM	1@104	18.5	17.47	21.03	23.79	0.2391
77	30	40	664000	3960	CP-OFDM QPSK	53@26	21.45	20.48	24.00	26.70	0.4680
77	30	40	664000	3960	CP-OFDM QPSK	1@1	21.52	20.42	24.02	26.72	0.4694
77	30	40	664000	3960	CP-OFDM QPSK	1@104	21.81	20.57	24.24	26.94	0.4948
77	30	40	664000	3960	CP-OFDM 16 QAM	53@26	20.95	19.99	23.51	26.21	0.4175
77	30	40	664000	3960	CP-OFDM 16 QAM	1@1	20.89	20.19	23.56	26.26	0.4231
77	30	40	664000	3960	CP-OFDM 16 QAM	1@104	21.18	20.41	23.82	26.52	0.4490
77	30	40	664000	3960	CP-OFDM 64 QAM	53@26	19.48	18.43	22.00	24.70	0.2949
77	30	40	664000	3960	CP-OFDM 64 QAM	1@1	19.32	18.33	21.86	24.56	0.2860
77	30	40	664000	3960	CP-OFDM 64 QAM	1@104	19.72	18.55	22.18	24.88	0.3079
77	30	40	664000	3960	CP-OFDM 256 QAM	53@26	16.44	15.43	18.97	21.67	0.1470
77	30	40	664000	3960	CP-OFDM 256 QAM	1@1	16.24	15.41	18.86	21.56	0.1431
77	30	40	664000	3960	CP-OFDM 256 QAM	1@104	16.53	15.64	19.12	21.82	0.1520
77	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	64@32	22.97	22.4	25.70	28.46	0.7022
77	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@1	22.91	22.44	25.69	28.45	0.7001
77	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@131	22.65	22.08	25.38	28.14	0.6523
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	64@32	22.9	22.28	25.61	28.37	0.6873
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	22.89	22.38	25.65	28.41	0.6939
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@131	22.67	22.02	25.37	28.13	0.6497
77	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	64@32	21.95	21.34	24.67	27.43	0.5528
77	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	21.81	21.37	24.61	27.37	0.5452
77	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@131	21.62	20.95	24.31	27.07	0.5091
77	30	50	648334	3725.01	DFT-s-OFDM 64 QAM	64@32	20.55	19.83	23.22	25.98	0.3958
77	30	50	648334	3725.01	DFT-s-OFDM 64 QAM	1@1	20.55	19.98	23.28	26.04	0.4022

77	30	50	648334	3725.01	DFT-s-OFDM 64 QAM	1@131	20.32	19.57	22.97	25.73	0.3742
77	30	50	648334	3725.01	DFT-s-OFDM 256 QAM	64@32	18.49	17.93	21.23	23.99	0.2506
77	30	50	648334	3725.01	DFT-s-OFDM 256 QAM	1@1	18.37	17.88	21.14	23.90	0.2456
77	30	50	648334	3725.01	DFT-s-OFDM 256 QAM	1@131	18.19	17.61	20.92	23.68	0.2333
77	30	50	648334	3725.01	CP-OFDM QPSK	67@33	21.48	21.08	24.29	26.99	0.5006
77	30	50	648334	3725.01	CP-OFDM QPSK	1@1	21.61	21.15	24.40	27.10	0.5124
77	30	50	648334	3725.01	CP-OFDM QPSK	1@131	21.49	20.76	24.15	26.85	0.4842
77	30	50	648334	3725.01	CP-OFDM 16 QAM	67@33	21.04	20.56	23.82	26.52	0.4484
77	30	50	648334	3725.01	CP-OFDM 16 QAM	1@1	20.96	20.95	23.97	26.67	0.4640
77	30	50	648334	3725.01	CP-OFDM 16 QAM	1@131	20.86	20.58	23.73	26.43	0.4398
77	30	50	648334	3725.01	CP-OFDM 64 QAM	67@33	19.49	19.1	22.31	25.01	0.3169
77	30	50	648334	3725.01	CP-OFDM 64 QAM	1@1	19.46	19.13	22.31	25.01	0.3168
77	30	50	648334	3725.01	CP-OFDM 64 QAM	1@131	19.41	18.78	22.12	24.82	0.3032
77	30	50	648334	3725.01	CP-OFDM 256 QAM	67@33	16.53	16.05	19.31	22.01	0.1587
77	30	50	648334	3725.01	CP-OFDM 256 QAM	1@1	16.43	16.18	19.32	22.02	0.1591
77	30	50	648334	3725.01	CP-OFDM 256 QAM	1@131	16.33	15.85	19.11	21.81	0.1516
77	30	50	656000	3840	DFT-s-OFDM PI/2 BPSK	64@32	22.71	21.89	25.33	28.09	0.6441
77	30	50	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	22.71	21.86	25.32	28.08	0.6421
77	30	50	656000	3840	DFT-s-OFDM PI/2 BPSK	1@131	22.66	21.7	25.22	27.98	0.6276
77	30	50	656000	3840	DFT-s-OFDM QPSK	64@32	22.7	21.92	25.34	28.10	0.6453
77	30	50	656000	3840	DFT-s-OFDM QPSK	1@1	22.68	21.79	25.27	28.03	0.6350
77	30	50	656000	3840	DFT-s-OFDM QPSK	1@131	22.52	21.66	25.12	27.88	0.6140
77	30	50	656000	3840	DFT-s-OFDM 16 QAM	64@32	21.77	20.95	24.39	27.15	0.5188
77	30	50	656000	3840	DFT-s-OFDM 16 QAM	1@1	21.65	20.74	24.23	26.99	0.4999
77	30	50	656000	3840	DFT-s-OFDM 16 QAM	1@131	21.5	20.57	24.07	26.83	0.4820
77	30	50	656000	3840	DFT-s-OFDM 64 QAM	64@32	20.4	19.51	22.99	25.75	0.3757

77	30	50	656000	3840	DFT-s-OFDM 64 QAM	1@1	20.31	19.48	22.93	25.69	0.3703
77	30	50	656000	3840	DFT-s-OFDM 64 QAM	1@131	20.21	19.34	22.81	25.57	0.3603
77	30	50	656000	3840	DFT-s-OFDM 256 QAM	64@32	18.27	17.49	20.91	23.67	0.2327
77	30	50	656000	3840	DFT-s-OFDM 256 QAM	1@1	18.29	17.39	20.87	23.63	0.2309
77	30	50	656000	3840	DFT-s-OFDM 256 QAM	1@131	18.17	17.15	20.70	23.46	0.2218
77	30	50	656000	3840	CP-OFDM QPSK	67@33	21.32	20.5	23.94	26.64	0.4613
77	30	50	656000	3840	CP-OFDM QPSK	1@1	21.46	20.4	23.97	26.67	0.4648
77	30	50	656000	3840	CP-OFDM QPSK	1@131	21.45	20.45	23.99	26.69	0.4666
77	30	50	656000	3840	CP-OFDM 16 QAM	67@33	20.87	19.98	23.46	26.16	0.4129
77	30	50	656000	3840	CP-OFDM 16 QAM	1@1	20.84	20.24	23.56	26.26	0.4227
77	30	50	656000	3840	CP-OFDM 16 QAM	1@131	20.7	20.16	23.45	26.15	0.4120
77	30	50	656000	3840	CP-OFDM 64 QAM	67@33	19.31	18.46	21.92	24.62	0.2895
77	30	50	656000	3840	CP-OFDM 64 QAM	1@1	19.38	18.46	21.95	24.65	0.2921
77	30	50	656000	3840	CP-OFDM 64 QAM	1@131	19.22	18.35	21.82	24.52	0.2829
77	30	50	656000	3840	CP-OFDM 256 QAM	67@33	16.29	15.48	18.91	21.61	0.1450
77	30	50	656000	3840	CP-OFDM 256 QAM	1@1	16.22	15.47	18.87	21.57	0.1436
77	30	50	656000	3840	CP-OFDM 256 QAM	1@131	16.23	15.52	18.90	21.60	0.1445
77	30	50	663666	3954.99	DFT-s-OFDM PI/2 BPSK	64@32	22.76	21.64	25.25	28.01	0.6319
77	30	50	663666	3954.99	DFT-s-OFDM PI/2 BPSK	1@1	22.69	21.5	25.15	27.91	0.6174
77	30	50	663666	3954.99	DFT-s-OFDM PI/2 BPSK	1@131	22.76	21.82	25.33	28.09	0.6435
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	64@32	22.77	21.6	25.23	27.99	0.6302
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@1	22.61	21.45	25.08	27.84	0.6080
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@131	22.73	21.76	25.28	28.04	0.6371
77	30	50	663666	3954.99	DFT-s-OFDM 16 QAM	64@32	21.79	20.72	24.30	27.06	0.5079
77	30	50	663666	3954.99	DFT-s-OFDM 16 QAM	1@1	21.47	20.32	23.94	26.70	0.4681
77	30	50	663666	3954.99	DFT-s-OFDM 16 QAM	1@131	21.62	20.55	24.13	26.89	0.4884

77	30	50	663666	3954.99	DFT-s-OFDM 64 QAM	64@32	20.24	19.08	22.71	25.47	0.3523
77	30	50	663666	3954.99	DFT-s-OFDM 64 QAM	1@1	20.14	19	22.62	25.38	0.3450
77	30	50	663666	3954.99	DFT-s-OFDM 64 QAM	1@131	20.29	19.31	22.84	25.60	0.3629
77	30	50	663666	3954.99	DFT-s-OFDM 256 QAM	64@32	18.23	17.11	20.72	23.48	0.2227
77	30	50	663666	3954.99	DFT-s-OFDM 256 QAM	1@1	18.09	16.99	20.59	23.35	0.2160
77	30	50	663666	3954.99	DFT-s-OFDM 256 QAM	1@131	18.2	17.27	20.77	23.53	0.2254
77	30	50	663666	3954.99	CP-OFDM QPSK	67@33	21.22	20.29	23.79	26.49	0.4457
77	30	50	663666	3954.99	CP-OFDM QPSK	1@1	21.29	20.01	23.71	26.41	0.4372
77	30	50	663666	3954.99	CP-OFDM QPSK	1@131	21.63	20.33	24.04	26.74	0.4719
77	30	50	663666	3954.99	CP-OFDM 16 QAM	67@33	20.76	19.81	23.32	26.02	0.4001
77	30	50	663666	3954.99	CP-OFDM 16 QAM	1@1	20.74	19.84	23.32	26.02	0.4003
77	30	50	663666	3954.99	CP-OFDM 16 QAM	1@131	21.12	20.22	23.70	26.40	0.4369
77	30	50	663666	3954.99	CP-OFDM 64 QAM	67@33	19.23	18.25	21.78	24.48	0.2804
77	30	50	663666	3954.99	CP-OFDM 64 QAM	1@1	19.07	18.19	21.66	24.36	0.2731
77	30	50	663666	3954.99	CP-OFDM 64 QAM	1@131	19.36	18.62	22.02	24.72	0.2962
77	30	50	663666	3954.99	CP-OFDM 256 QAM	67@33	16.17	15.26	18.75	21.45	0.1396
77	30	50	663666	3954.99	CP-OFDM 256 QAM	1@1	16.01	15.26	18.66	21.36	0.1368
77	30	50	663666	3954.99	CP-OFDM 256 QAM	1@131	16.31	15.35	18.87	21.57	0.1434
77	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	81@40	22.82	22.18	25.52	28.28	0.6733
77	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@1	22.88	22.44	25.68	28.44	0.6976
77	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@160	22.72	22.13	25.45	28.21	0.6615
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	81@40	22.79	22.3	25.56	28.32	0.6795
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	22.92	22.42	25.69	28.45	0.6994
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@160	22.7	21.99	25.37	28.13	0.6501
77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	81@40	21.95	21.39	24.69	27.45	0.5558
77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	21.91	21.33	24.64	27.40	0.5495

77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@160	21.78	21.06	24.45	27.21	0.5254
77	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	81@40	20.49	19.91	23.22	25.98	0.3963
77	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	1@1	20.45	19.93	23.21	25.97	0.3952
77	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	1@160	20.34	19.6	23.00	25.76	0.3764
77	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	81@40	18.34	17.85	21.11	23.87	0.2439
77	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	1@1	18.5	17.89	21.22	23.98	0.2498
77	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	1@160	18.27	17.56	20.94	23.70	0.2344
77	30	60	648668	3730.02	CP-OFDM QPSK	81@40	21.92	21.1	24.54	27.24	0.5296
77	30	60	648668	3730.02	CP-OFDM QPSK	1@1	21.84	21.33	24.60	27.30	0.5374
77	30	60	648668	3730.02	CP-OFDM QPSK	1@160	21.7	21.11	24.43	27.13	0.5159
77	30	60	648668	3730.02	CP-OFDM 16 QAM	81@40	21.4	20.63	24.04	26.74	0.4723
77	30	60	648668	3730.02	CP-OFDM 16 QAM	1@1	21.3	20.55	23.95	26.65	0.4625
77	30	60	648668	3730.02	CP-OFDM 16 QAM	1@160	21.16	20.29	23.76	26.46	0.4423
77	30	60	648668	3730.02	CP-OFDM 64 QAM	81@40	19.92	19.13	22.55	25.25	0.3352
77	30	60	648668	3730.02	CP-OFDM 64 QAM	1@1	19.84	19.06	22.48	25.18	0.3294
77	30	60	648668	3730.02	CP-OFDM 64 QAM	1@160	19.86	18.79	22.37	25.07	0.3212
77	30	60	648668	3730.02	CP-OFDM 256 QAM	81@40	16.88	16.09	19.51	22.21	0.1665
77	30	60	648668	3730.02	CP-OFDM 256 QAM	1@1	16.68	16.38	19.54	22.24	0.1676
77	30	60	648668	3730.02	CP-OFDM 256 QAM	1@160	17.79	16.06	20.02	22.72	0.1871
77	30	60	656000	3840	DFT-s-OFDM PI/2 BPSK	81@40	22.67	21.9	25.31	28.07	0.6416
77	30	60	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	22.63	21.86	25.27	28.03	0.6357
77	30	60	656000	3840	DFT-s-OFDM PI/2 BPSK	1@160	22.58	21.66	25.15	27.91	0.6187
77	30	60	656000	3840	DFT-s-OFDM QPSK	81@40	22.69	21.91	25.33	28.09	0.6438
77	30	60	656000	3840	DFT-s-OFDM QPSK	1@1	22.65	21.91	25.31	28.07	0.6406
77	30	60	656000	3840	DFT-s-OFDM QPSK	1@160	22.54	21.63	25.12	27.88	0.6136
77	30	60	656000	3840	DFT-s-OFDM 16 QAM	81@40	21.81	21.02	24.44	27.20	0.5252

77	30	60	656000	3840	DFT-s-OFDM 16 QAM	1@1	21.78	20.84	24.35	27.11	0.5135
77	30	60	656000	3840	DFT-s-OFDM 16 QAM	1@160	21.63	20.7	24.20	26.96	0.4966
77	30	60	656000	3840	DFT-s-OFDM 64 QAM	81@40	20.28	19.55	22.94	25.70	0.3716
77	30	60	656000	3840	DFT-s-OFDM 64 QAM	1@1	20.31	19.48	22.93	25.69	0.3703
77	30	60	656000	3840	DFT-s-OFDM 64 QAM	1@160	20.06	19.25	22.68	25.44	0.3503
77	30	60	656000	3840	DFT-s-OFDM 256 QAM	81@40	18.27	17.48	20.90	23.66	0.2324
77	30	60	656000	3840	DFT-s-OFDM 256 QAM	1@1	18.1	17.39	20.77	23.53	0.2254
77	30	60	656000	3840	DFT-s-OFDM 256 QAM	1@160	18	17.16	20.61	23.37	0.2173
77	30	60	656000	3840	CP-OFDM QPSK	81@40	21.94	19.75	23.99	26.69	0.4669
77	30	60	656000	3840	CP-OFDM QPSK	1@1	21.93	21.26	24.62	27.32	0.5393
77	30	60	656000	3840	CP-OFDM QPSK	1@160	21.93	21.2	24.59	27.29	0.5359
77	30	60	656000	3840	CP-OFDM 16 QAM	81@40	21.44	20.78	24.13	26.83	0.4823
77	30	60	656000	3840	CP-OFDM 16 QAM	1@1	21.46	20.66	24.09	26.79	0.4774
77	30	60	656000	3840	CP-OFDM 16 QAM	1@160	21.45	20.57	24.04	26.74	0.4723
77	30	60	656000	3840	CP-OFDM 64 QAM	81@40	19.95	19.25	22.62	25.32	0.3408
77	30	60	656000	3840	CP-OFDM 64 QAM	1@1	19.89	19.27	22.60	25.30	0.3389
77	30	60	656000	3840	CP-OFDM 64 QAM	1@160	19.92	19.18	22.58	25.28	0.3370
77	30	60	656000	3840	CP-OFDM 256 QAM	81@40	16.93	16.3	19.64	22.34	0.1713
77	30	60	656000	3840	CP-OFDM 256 QAM	1@1	16.85	16.33	19.61	22.31	0.1701
77	30	60	656000	3840	CP-OFDM 256 QAM	1@160	16.77	16.17	19.49	22.19	0.1656
77	30	60	663332	3949.98	DFT-s-OFDM PI/2 BPSK	81@40	22.42	21.8	25.13	27.89	0.6154
77	30	60	663332	3949.98	DFT-s-OFDM PI/2 BPSK	1@1	22.43	21.6	25.05	27.81	0.6033
77	30	60	663332	3949.98	DFT-s-OFDM PI/2 BPSK	1@160	22.55	21.98	25.28	28.04	0.6375
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	81@40	22.49	21.84	25.19	27.95	0.6234
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@1	22.24	21.59	24.94	27.70	0.5885
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@160	22.48	21.81	25.17	27.93	0.6206

77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	81@40	21.51	20.9	24.23	26.99	0.4996
77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	1@1	21.34	20.6	24.00	26.76	0.4738
77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	1@160	21.49	20.9	24.22	26.98	0.4983
77	30	60	663332	3949.98	DFT-s-OFDM 64 QAM	81@40	20.05	19.45	22.77	25.53	0.3573
77	30	60	663332	3949.98	DFT-s-OFDM 64 QAM	1@1	20.08	19.33	22.73	25.49	0.3541
77	30	60	663332	3949.98	DFT-s-OFDM 64 QAM	1@160	20.29	19.59	22.96	25.72	0.3736
77	30	60	663332	3949.98	DFT-s-OFDM 256 QAM	81@40	18.01	17.42	20.74	23.50	0.2236
77	30	60	663332	3949.98	DFT-s-OFDM 256 QAM	1@1	18.4	17.18	20.84	23.60	0.2292
77	30	60	663332	3949.98	DFT-s-OFDM 256 QAM	1@160	17.94	17.45	20.71	23.47	0.2224
77	30	60	663332	3949.98	CP-OFDM QPSK	81@40	21.23	20.38	23.84	26.54	0.4504
77	30	60	663332	3949.98	CP-OFDM QPSK	1@1	21.9	21.14	24.55	27.25	0.5305
77	30	60	663332	3949.98	CP-OFDM QPSK	1@160	22.23	21.58	24.93	27.63	0.5791
77	30	60	663332	3949.98	CP-OFDM 16 QAM	81@40	21.5	20.92	24.23	26.93	0.4932
77	30	60	663332	3949.98	CP-OFDM 16 QAM	1@1	21.4	20.46	23.97	26.67	0.4641
77	30	60	663332	3949.98	CP-OFDM 16 QAM	1@160	21.82	20.95	24.42	27.12	0.5149
77	30	60	663332	3949.98	CP-OFDM 64 QAM	81@40	20.02	19.43	22.75	25.45	0.3504
77	30	60	663332	3949.98	CP-OFDM 64 QAM	1@1	19.85	19.06	22.48	25.18	0.3299
77	30	60	663332	3949.98	CP-OFDM 64 QAM	1@160	20.21	19.56	22.91	25.61	0.3637
77	30	60	663332	3949.98	CP-OFDM 256 QAM	81@40	17.04	16.42	19.75	22.45	0.1758
77	30	60	663332	3949.98	CP-OFDM 256 QAM	1@1	16.7	16.19	19.46	22.16	0.1645
77	30	60	663332	3949.98	CP-OFDM 256 QAM	1@160	17.16	16.52	19.86	22.56	0.1804
77	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	90@45	22.63	22.18	25.42	28.18	0.6578
77	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	1@1	22.82	22.35	25.60	28.36	0.6857
77	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	1@187	22.62	21.86	25.27	28.03	0.6349
77	30	70	649000	3735	DFT-s-OFDM QPSK	90@45	22.71	22.17	25.46	28.22	0.6635
77	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	22.72	22.29	25.52	28.28	0.6731

77	30	70	649000	3735	DFT-s-OFDM QPSK	1@187	22.65	21.85	25.28	28.04	0.6366
77	30	70	649000	3735	DFT-s-OFDM 16 QAM	90@45	21.81	21.15	24.50	27.26	0.5325
77	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	21.67	21.23	24.47	27.23	0.5279
77	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@187	21.49	20.68	24.11	26.87	0.4869
77	30	70	649000	3735	DFT-s-OFDM 64 QAM	90@45	20.4	19.77	23.11	25.87	0.3861
77	30	70	649000	3735	DFT-s-OFDM 64 QAM	1@1	20.49	19.94	23.23	25.99	0.3976
77	30	70	649000	3735	DFT-s-OFDM 64 QAM	1@187	20.32	19.43	22.91	25.67	0.3688
77	30	70	649000	3735	DFT-s-OFDM 256 QAM	90@45	18.33	17.78	21.07	23.83	0.2418
77	30	70	649000	3735	DFT-s-OFDM 256 QAM	1@1	18.3	17.85	21.09	23.85	0.2427
77	30	70	649000	3735	DFT-s-OFDM 256 QAM	1@187	18.15	17.43	20.82	23.58	0.2278
77	30	70	649000	3735	CP-OFDM QPSK	95@47	21.39	20.93	24.18	26.88	0.4871
77	30	70	649000	3735	CP-OFDM QPSK	1@1	21.53	21.03	24.30	27.00	0.5009
77	30	70	649000	3735	CP-OFDM QPSK	1@187	21.48	20.48	24.02	26.72	0.4698
77	30	70	649000	3735	CP-OFDM 16 QAM	95@47	20.93	20.36	23.66	26.36	0.4330
77	30	70	649000	3735	CP-OFDM 16 QAM	1@1	20.8	20.73	23.78	26.48	0.4442
77	30	70	649000	3735	CP-OFDM 16 QAM	1@187	20.7	20.21	23.47	26.17	0.4142
77	30	70	649000	3735	CP-OFDM 64 QAM	95@47	19.4	18.78	22.11	24.81	0.3028
77	30	70	649000	3735	CP-OFDM 64 QAM	1@1	19.28	18.99	22.15	24.85	0.3053
77	30	70	649000	3735	CP-OFDM 64 QAM	1@187	19.25	18.41	21.86	24.56	0.2858
77	30	70	649000	3735	CP-OFDM 256 QAM	95@47	16.43	15.86	19.16	21.86	0.1536
77	30	70	649000	3735	CP-OFDM 256 QAM	1@1	16.19	15.23	18.75	21.45	0.1395
77	30	70	649000	3735	CP-OFDM 256 QAM	1@187	16.15	15.14	18.68	21.38	0.1375
77	30	70	656000	3840	DFT-s-OFDM PI/2 BPSK	90@45	22.58	21.81	25.22	27.98	0.6284
77	30	70	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	22.78	21.92	25.38	28.14	0.6519
77	30	70	656000	3840	DFT-s-OFDM PI/2 BPSK	1@187	22.39	21.38	24.92	27.68	0.5868
77	30	70	656000	3840	DFT-s-OFDM QPSK	90@45	22.59	21.77	25.21	27.97	0.6266

77	30	70	656000	3840	DFT-s-OFDM QPSK	1@1	22.59	21.89	25.26	28.02	0.6345
77	30	70	656000	3840	DFT-s-OFDM QPSK	1@187	22.23	21.42	24.85	27.61	0.5773
77	30	70	656000	3840	DFT-s-OFDM 16 QAM	90@45	21.65	20.87	24.29	27.05	0.5067
77	30	70	656000	3840	DFT-s-OFDM 16 QAM	1@1	21.57	20.74	24.19	26.95	0.4949
77	30	70	656000	3840	DFT-s-OFDM 16 QAM	1@187	21.5	20.63	24.10	26.86	0.4850
77	30	70	656000	3840	DFT-s-OFDM 64 QAM	90@45	20.26	19.4	22.86	25.62	0.3649
77	30	70	656000	3840	DFT-s-OFDM 64 QAM	1@1	20.21	19.53	22.89	25.65	0.3676
77	30	70	656000	3840	DFT-s-OFDM 64 QAM	1@187	20.05	19.06	22.59	25.35	0.3430
77	30	70	656000	3840	DFT-s-OFDM 256 QAM	90@45	18.15	17.39	20.80	23.56	0.2268
77	30	70	656000	3840	DFT-s-OFDM 256 QAM	1@1	18.08	17.42	20.77	23.53	0.2256
77	30	70	656000	3840	DFT-s-OFDM 256 QAM	1@187	17.83	17.03	20.46	23.22	0.2098
77	30	70	656000	3840	CP-OFDM QPSK	95@47	21.15	20.28	23.75	26.45	0.4413
77	30	70	656000	3840	CP-OFDM QPSK	1@1	21.29	20.57	23.96	26.66	0.4629
77	30	70	656000	3840	CP-OFDM QPSK	1@187	21.13	20.14	23.67	26.37	0.4339
77	30	70	656000	3840	CP-OFDM 16 QAM	95@47	20.73	19.89	23.34	26.04	0.4018
77	30	70	656000	3840	CP-OFDM 16 QAM	1@1	20.67	20.29	23.49	26.19	0.4163
77	30	70	656000	3840	CP-OFDM 16 QAM	1@187	20.49	19.93	23.23	25.93	0.3917
77	30	70	656000	3840	CP-OFDM 64 QAM	95@47	19.17	18.29	21.76	24.46	0.2794
77	30	70	656000	3840	CP-OFDM 64 QAM	1@1	19.23	18.45	21.87	24.57	0.2863
77	30	70	656000	3840	CP-OFDM 64 QAM	1@187	18.98	18.11	21.58	24.28	0.2677
77	30	70	656000	3840	CP-OFDM 256 QAM	95@47	16.12	15.33	18.75	21.45	0.1397
77	30	70	656000	3840	CP-OFDM 256 QAM	1@1	15.64	15.6	18.63	21.33	0.1358
77	30	70	656000	3840	CP-OFDM 256 QAM	1@187	15.86	15.32	18.61	21.31	0.1352
77	30	70	663000	3945	DFT-s-OFDM PI/2 BPSK	90@45	22.5	21.73	25.14	27.90	0.6169
77	30	70	663000	3945	DFT-s-OFDM PI/2 BPSK	1@1	22.31	21.52	24.94	27.70	0.5893
77	30	70	663000	3945	DFT-s-OFDM PI/2 BPSK	1@187	22.5	21.79	25.17	27.93	0.6208

77	30	70	663000	3945	DFT-s-OFDM QPSK	90@45	22.52	21.73	25.15	27.91	0.6185
77	30	70	663000	3945	DFT-s-OFDM QPSK	1@1	22.25	21.47	24.89	27.65	0.5818
77	30	70	663000	3945	DFT-s-OFDM QPSK	1@187	22.33	21.7	25.04	27.80	0.6021
77	30	70	663000	3945	DFT-s-OFDM 16 QAM	90@45	21.54	20.81	24.20	26.96	0.4967
77	30	70	663000	3945	DFT-s-OFDM 16 QAM	1@1	21.35	20.49	23.95	26.71	0.4690
77	30	70	663000	3945	DFT-s-OFDM 16 QAM	1@187	21.57	20.77	24.20	26.96	0.4964
77	30	70	663000	3945	DFT-s-OFDM 64 QAM	90@45	20.08	19.37	22.75	25.51	0.3556
77	30	70	663000	3945	DFT-s-OFDM 64 QAM	1@1	19.81	19.21	22.53	25.29	0.3381
77	30	70	663000	3945	DFT-s-OFDM 64 QAM	1@187	20.31	19.45	22.91	25.67	0.3691
77	30	70	663000	3945	DFT-s-OFDM 256 QAM	90@45	18.01	17.35	20.70	23.46	0.2220
77	30	70	663000	3945	DFT-s-OFDM 256 QAM	1@1	17.84	17.07	20.48	23.24	0.2110
77	30	70	663000	3945	DFT-s-OFDM 256 QAM	1@187	17.92	17.34	20.65	23.41	0.2193
77	30	70	663000	3945	CP-OFDM QPSK	95@47	21.1	20.35	23.75	26.45	0.4417
77	30	70	663000	3945	CP-OFDM QPSK	1@1	21.16	20.06	23.66	26.36	0.4320
77	30	70	663000	3945	CP-OFDM QPSK	1@187	21.32	20.45	23.92	26.62	0.4589
77	30	70	663000	3945	CP-OFDM 16 QAM	95@47	20.67	19.94	23.33	26.03	0.4009
77	30	70	663000	3945	CP-OFDM 16 QAM	1@1	20.46	19.83	23.17	25.87	0.3861
77	30	70	663000	3945	CP-OFDM 16 QAM	1@187	20.67	20.17	23.44	26.14	0.4109
77	30	70	663000	3945	CP-OFDM 64 QAM	95@47	19.1	18.4	21.77	24.47	0.2802
77	30	70	663000	3945	CP-OFDM 64 QAM	1@1	19.07	18.13	21.64	24.34	0.2714
77	30	70	663000	3945	CP-OFDM 64 QAM	1@187	19.26	18.4	21.86	24.56	0.2859
77	30	70	663000	3945	CP-OFDM 256 QAM	95@47	16.13	15.37	18.78	21.48	0.1405
77	30	70	663000	3945	CP-OFDM 256 QAM	1@1	16.2	15.16	18.72	21.42	0.1387
77	30	70	663000	3945	CP-OFDM 256 QAM	1@187	16.08	15.21	18.68	21.38	0.1373
77	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	108@54	22.75	22.07	25.43	28.19	0.6597
77	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@1	22.78	22.2	25.51	28.27	0.6714

77	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@215	22.62	21.92	25.29	28.05	0.6389
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	108@54	22.71	22.11	25.43	28.19	0.6593
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	22.68	22.22	25.47	28.23	0.6647
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@215	22.61	21.9	25.28	28.04	0.6368
77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	108@54	21.77	21.31	24.56	27.32	0.5391
77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	21.56	21.14	24.37	27.13	0.5159
77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@215	21.55	20.76	24.18	26.94	0.4947
77	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	108@54	20.3	19.75	23.04	25.80	0.3805
77	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	1@1	20.31	19.8	23.07	25.83	0.3831
77	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	1@215	20.33	19.61	23.00	25.76	0.3763
77	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	108@54	18.29	17.62	20.98	23.74	0.2365
77	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	1@1	18.14	17.68	20.93	23.69	0.2337
77	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	1@215	18.19	17.49	20.86	23.62	0.2304
77	30	80	649334	3740.01	CP-OFDM QPSK	109@54	21.36	20.78	24.09	26.79	0.4775
77	30	80	649334	3740.01	CP-OFDM QPSK	1@1	21.41	20.82	24.14	26.84	0.4825
77	30	80	649334	3740.01	CP-OFDM QPSK	1@215	21.31	20.4	23.89	26.59	0.4559
77	30	80	649334	3740.01	CP-OFDM 16 QAM	109@54	20.92	20.3	23.63	26.33	0.4297
77	30	80	649334	3740.01	CP-OFDM 16 QAM	1@1	20.84	20.75	23.81	26.51	0.4473
77	30	80	649334	3740.01	CP-OFDM 16 QAM	1@215	20.68	20.32	23.51	26.21	0.4182
77	30	80	649334	3740.01	CP-OFDM 64 QAM	109@54	19.43	18.79	22.13	24.83	0.3042
77	30	80	649334	3740.01	CP-OFDM 64 QAM	1@1	19.3	19	22.16	24.86	0.3064
77	30	80	649334	3740.01	CP-OFDM 64 QAM	1@215	19.14	18.63	21.90	24.60	0.2886
77	30	80	649334	3740.01	CP-OFDM 256 QAM	109@54	16.34	15.81	19.09	21.79	0.1511
77	30	80	649334	3740.01	CP-OFDM 256 QAM	1@1	16.32	15.88	19.12	21.82	0.1519
77	30	80	649334	3740.01	CP-OFDM 256 QAM	1@215	16.21	15.45	18.86	21.56	0.1431
77	30	80	656000	3840	DFT-s-OFDM PI/2 BPSK	108@54	22.61	21.83	25.25	28.01	0.6321

77	30	80	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	22.53	22	25.28	28.04	0.6373
77	30	80	656000	3840	DFT-s-OFDM PI/2 BPSK	1@215	22.44	21.52	25.01	27.77	0.5990
77	30	80	656000	3840	DFT-s-OFDM QPSK	108@54	22.59	21.8	25.22	27.98	0.6285
77	30	80	656000	3840	DFT-s-OFDM QPSK	1@1	22.48	21.9	25.21	27.97	0.6266
77	30	80	656000	3840	DFT-s-OFDM QPSK	1@215	22.3	21.35	24.86	27.62	0.5783
77	30	80	656000	3840	DFT-s-OFDM 16 QAM	108@54	21.76	20.92	24.37	27.13	0.5165
77	30	80	656000	3840	DFT-s-OFDM 16 QAM	1@1	21.61	20.94	24.30	27.06	0.5079
77	30	80	656000	3840	DFT-s-OFDM 16 QAM	1@215	21.45	20.45	23.99	26.75	0.4730
77	30	80	656000	3840	DFT-s-OFDM 64 QAM	108@54	20.24	19.43	22.86	25.62	0.3651
77	30	80	656000	3840	DFT-s-OFDM 64 QAM	1@1	20.41	19.66	23.06	25.82	0.3821
77	30	80	656000	3840	DFT-s-OFDM 64 QAM	1@215	20.08	19.18	22.66	25.42	0.3486
77	30	80	656000	3840	DFT-s-OFDM 256 QAM	108@54	18.21	17.38	20.83	23.59	0.2283
77	30	80	656000	3840	DFT-s-OFDM 256 QAM	1@1	18.03	17.55	20.81	23.57	0.2273
77	30	80	656000	3840	DFT-s-OFDM 256 QAM	1@215	17.84	16.92	20.41	23.17	0.2077
77	30	80	656000	3840	CP-OFDM QPSK	109@54	21.16	20.29	23.76	26.46	0.4423
77	30	80	656000	3840	CP-OFDM QPSK	1@1	21.42	20.42	23.96	26.66	0.4633
77	30	80	656000	3840	CP-OFDM QPSK	1@215	21.08	20.08	23.62	26.32	0.4285
77	30	80	656000	3840	CP-OFDM 16 QAM	109@54	20.69	19.85	23.30	26.00	0.3982
77	30	80	656000	3840	CP-OFDM 16 QAM	1@1	20.71	20.38	23.56	26.26	0.4225
77	30	80	656000	3840	CP-OFDM 16 QAM	1@215	20.52	19.99	23.27	25.97	0.3957
77	30	80	656000	3840	CP-OFDM 64 QAM	109@54	19.19	18.25	21.76	24.46	0.2790
77	30	80	656000	3840	CP-OFDM 64 QAM	1@1	19.19	18.64	21.93	24.63	0.2907
77	30	80	656000	3840	CP-OFDM 64 QAM	1@215	18.94	18.22	21.61	24.31	0.2695
77	30	80	656000	3840	CP-OFDM 256 QAM	109@54	16.19	15.27	18.76	21.46	0.1401
77	30	80	656000	3840	CP-OFDM 256 QAM	1@1	16.32	15.61	18.99	21.69	0.1476
77	30	80	656000	3840	CP-OFDM 256 QAM	1@215	15.85	15.23	18.56	21.26	0.1337

77	30	80	662666	3939.99	DFT-s-OFDM PI/2 BPSK	108@54	22.37	21.65	25.04	27.80	0.6019
77	30	80	662666	3939.99	DFT-s-OFDM PI/2 BPSK	1@1	22.2	21.34	24.80	27.56	0.5704
77	30	80	662666	3939.99	DFT-s-OFDM PI/2 BPSK	1@215	22.44	21.72	25.11	27.87	0.6117
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	108@54	22.46	21.68	25.10	27.86	0.6106
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	1@1	22.17	21.32	24.78	27.54	0.5670
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	1@215	22.33	21.8	25.08	27.84	0.6086
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	108@54	21.51	20.8	24.18	26.94	0.4943
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	1@1	21.43	20.58	24.04	26.80	0.4782
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	1@215	21.68	21	24.36	27.12	0.5157
77	30	80	662666	3939.99	DFT-s-OFDM 64 QAM	108@54	20.09	19.25	22.70	25.46	0.3516
77	30	80	662666	3939.99	DFT-s-OFDM 64 QAM	1@1	19.91	19.12	22.54	25.30	0.3391
77	30	80	662666	3939.99	DFT-s-OFDM 64 QAM	1@215	20.14	19.49	22.84	25.60	0.3629
77	30	80	662666	3939.99	DFT-s-OFDM 256 QAM	108@54	17.91	17.22	20.59	23.35	0.2162
77	30	80	662666	3939.99	DFT-s-OFDM 256 QAM	1@1	17.74	16.91	20.36	23.12	0.2049
77	30	80	662666	3939.99	DFT-s-OFDM 256 QAM	1@215	17.99	17.33	20.68	23.44	0.2209
77	30	80	662666	3939.99	CP-OFDM QPSK	109@54	21.06	20.3	23.71	26.41	0.4372
77	30	80	662666	3939.99	CP-OFDM QPSK	1@1	21.05	19.98	23.56	26.26	0.4225
77	30	80	662666	3939.99	CP-OFDM QPSK	1@215	21.25	20.39	23.85	26.55	0.4520
77	30	80	662666	3939.99	CP-OFDM 16 QAM	109@54	20.61	19.91	23.28	25.98	0.3967
77	30	80	662666	3939.99	CP-OFDM 16 QAM	1@1	20.41	19.73	23.09	25.79	0.3796
77	30	80	662666	3939.99	CP-OFDM 16 QAM	1@215	20.65	20.12	23.40	26.10	0.4077
77	30	80	662666	3939.99	CP-OFDM 64 QAM	109@54	19.12	18.27	21.73	24.43	0.2771
77	30	80	662666	3939.99	CP-OFDM 64 QAM	1@1	18.98	17.98	21.52	24.22	0.2642
77	30	80	662666	3939.99	CP-OFDM 64 QAM	1@215	19.18	18.3	21.77	24.47	0.2801
77	30	80	662666	3939.99	CP-OFDM 256 QAM	109@54	16.02	15.33	18.70	21.40	0.1380
77	30	80	662666	3939.99	CP-OFDM 256 QAM	1@1	16.04	15.21	18.66	21.36	0.1366

77	30	80	662666	3939.99	CP-OFDM 256 QAM	1@215	16.21	15.52	18.89	21.59	0.1442
77	30	90	649668	3745.02	DFT-s- OFDM PI/2 BPSK	120@60	22.63	22.05	25.36	28.12	0.6486
77	30	90	649668	3745.02	DFT-s- OFDM PI/2 BPSK	1@1	22.77	22.24	25.52	28.28	0.6735
77	30	90	649668	3745.02	DFT-s- OFDM PI/2 BPSK	1@243	22.62	21.83	25.25	28.01	0.6329
77	30	90	649668	3745.02	DFT-s- OFDM QPSK	120@60	22.73	22.14	25.46	28.22	0.6630
77	30	90	649668	3745.02	DFT-s- OFDM QPSK	1@1	22.77	22.17	25.49	28.25	0.6684
77	30	90	649668	3745.02	DFT-s- OFDM QPSK	1@243	22.68	21.89	25.31	28.07	0.6417
77	30	90	649668	3745.02	DFT-s- OFDM 16 QAM	120@60	21.91	21.25	24.60	27.36	0.5449
77	30	90	649668	3745.02	DFT-s- OFDM 16 QAM	1@1	21.64	21.08	24.38	27.14	0.5175
77	30	90	649668	3745.02	DFT-s- OFDM 16 QAM	1@243	21.6	20.81	24.23	26.99	0.5004
77	30	90	649668	3745.02	DFT-s- OFDM 64 QAM	120@60	20.3	19.77	23.05	25.81	0.3814
77	30	90	649668	3745.02	DFT-s- OFDM 64 QAM	1@1	20.31	19.79	23.07	25.83	0.3827
77	30	90	649668	3745.02	DFT-s- OFDM 64 QAM	1@243	20.33	19.5	22.95	25.71	0.3720
77	30	90	649668	3745.02	DFT-s- OFDM 256 QAM	120@60	18.27	17.72	21.01	23.77	0.2385
77	30	90	649668	3745.02	DFT-s- OFDM 256 QAM	1@1	18.22	17.79	21.02	23.78	0.2388
77	30	90	649668	3745.02	DFT-s- OFDM 256 QAM	1@243	18.19	17.37	20.81	23.57	0.2275
77	30	90	649668	3745.02	CP-OFDM QPSK	123@61	21.37	20.78	24.10	26.80	0.4781
77	30	90	649668	3745.02	CP-OFDM QPSK	1@1	21.38	20.88	24.15	26.85	0.4839
77	30	90	649668	3745.02	CP-OFDM QPSK	1@243	21.29	20.5	23.92	26.62	0.4595
77	30	90	649668	3745.02	CP-OFDM 16 QAM	123@61	20.92	20.32	23.64	26.34	0.4306
77	30	90	649668	3745.02	CP-OFDM 16 QAM	1@1	20.75	20.63	23.70	26.40	0.4366
77	30	90	649668	3745.02	CP-OFDM 16 QAM	1@243	20.72	20.28	23.52	26.22	0.4184
77	30	90	649668	3745.02	CP-OFDM 64 QAM	123@61	19.43	18.83	22.15	24.85	0.3055
77	30	90	649668	3745.02	CP-OFDM 64 QAM	1@1	19.29	18.85	22.09	24.79	0.3010
77	30	90	649668	3745.02	CP-OFDM 64 QAM	1@243	19.2	18.54	21.89	24.59	0.2879
77	30	90	649668	3745.02	CP-OFDM 256 QAM	123@61	16.36	15.78	19.09	21.79	0.1510

77	30	90	649668	3745.02	CP-OFDM 256 QAM	1@1	16.21	15.9	19.07	21.77	0.1502
77	30	90	649668	3745.02	CP-OFDM 256 QAM	1@243	17.51	15.68	19.70	22.40	0.1738
77	30	90	656000	3840	DFT-s- OFDM PI/2 BPSK	120@60	22.58	21.76	25.20	27.96	0.6251
77	30	90	656000	3840	DFT-s- OFDM PI/2 BPSK	1@1	22.5	21.98	25.26	28.02	0.6336
77	30	90	656000	3840	DFT-s- OFDM PI/2 BPSK	1@243	22.22	21.51	24.89	27.65	0.5821
77	30	90	656000	3840	DFT-s- OFDM QPSK	120@60	22.64	21.83	25.26	28.02	0.6345
77	30	90	656000	3840	DFT-s- OFDM QPSK	1@1	22.54	21.88	25.23	27.99	0.6299
77	30	90	656000	3840	DFT-s- OFDM QPSK	1@243	22.35	21.47	24.94	27.70	0.5892
77	30	90	656000	3840	DFT-s- OFDM 16 QAM	120@60	21.77	20.93	24.38	27.14	0.5177
77	30	90	656000	3840	DFT-s- OFDM 16 QAM	1@1	21.73	21.01	24.40	27.16	0.5194
77	30	90	656000	3840	DFT-s- OFDM 16 QAM	1@243	21.42	20.6	24.04	26.80	0.4786
77	30	90	656000	3840	DFT-s- OFDM 64 QAM	120@60	20.21	19.46	22.86	25.62	0.3649
77	30	90	656000	3840	DFT-s- OFDM 64 QAM	1@1	20.4	19.66	23.06	25.82	0.3816
77	30	90	656000	3840	DFT-s- OFDM 64 QAM	1@243	20.12	19.26	22.72	25.48	0.3533
77	30	90	656000	3840	DFT-s- OFDM 256 QAM	120@60	18.13	17.37	20.78	23.54	0.2258
77	30	90	656000	3840	DFT-s- OFDM 256 QAM	1@1	18.11	17.51	20.83	23.59	0.2286
77	30	90	656000	3840	DFT-s- OFDM 256 QAM	1@243	17.87	17.02	20.48	23.24	0.2107
77	30	90	656000	3840	CP-OFDM QPSK	123@61	21.15	20.32	23.77	26.47	0.4431
77	30	90	656000	3840	CP-OFDM QPSK	1@1	21.32	20.43	23.91	26.61	0.4579
77	30	90	656000	3840	CP-OFDM QPSK	1@243	21.09	20.07	23.62	26.32	0.4286
77	30	90	656000	3840	CP-OFDM 16 QAM	123@61	20.66	19.85	23.28	25.98	0.3967
77	30	90	656000	3840	CP-OFDM 16 QAM	1@1	20.75	20.38	23.58	26.28	0.4245
77	30	90	656000	3840	CP-OFDM 16 QAM	1@243	20.52	20.06	23.31	26.01	0.3987
77	30	90	656000	3840	CP-OFDM 64 QAM	123@61	19.2	18.34	21.80	24.50	0.2819
77	30	90	656000	3840	CP-OFDM 64 QAM	1@1	19.11	18.62	21.88	24.58	0.2872
77	30	90	656000	3840	CP-OFDM 64 QAM	1@243	19	18.31	21.68	24.38	0.2741

77	30	90	656000	3840	CP-OFDM 256 QAM	123@61	16.16	15.27	18.75	21.45	0.1396
77	30	90	656000	3840	CP-OFDM 256 QAM	1@1	16.02	15.5	18.78	21.48	0.1405
77	30	90	656000	3840	CP-OFDM 256 QAM	1@243	16.7	15.34	19.08	21.78	0.1508
77	30	90	662332	3934.98	DFT-s- OFDM PI/2 BPSK	120@60	22.38	21.63	25.03	27.79	0.6014
77	30	90	662332	3934.98	DFT-s- OFDM PI/2 BPSK	1@1	22.2	21.38	24.82	27.58	0.5727
77	30	90	662332	3934.98	DFT-s- OFDM PI/2 BPSK	1@243	22.35	21.82	25.10	27.86	0.6114
77	30	90	662332	3934.98	DFT-s- OFDM QPSK	120@60	22.39	21.65	25.05	27.81	0.6034
77	30	90	662332	3934.98	DFT-s- OFDM QPSK	1@1	22.28	21.41	24.88	27.64	0.5804
77	30	90	662332	3934.98	DFT-s- OFDM QPSK	1@243	22.41	21.75	25.10	27.86	0.6113
77	30	90	662332	3934.98	DFT-s- OFDM 16 QAM	120@60	21.52	20.77	24.17	26.93	0.4933
77	30	90	662332	3934.98	DFT-s- OFDM 16 QAM	1@1	21.27	20.5	23.91	26.67	0.4648
77	30	90	662332	3934.98	DFT-s- OFDM 16 QAM	1@243	21.33	20.74	24.06	26.82	0.4803
77	30	90	662332	3934.98	DFT-s- OFDM 64 QAM	120@60	19.98	19.3	22.66	25.42	0.3486
77	30	90	662332	3934.98	DFT-s- OFDM 64 QAM	1@1	19.9	18.99	22.48	25.24	0.3341
77	30	90	662332	3934.98	DFT-s- OFDM 64 QAM	1@243	20.08	19.43	22.78	25.54	0.3579
77	30	90	662332	3934.98	DFT-s- OFDM 256 QAM	120@60	17.94	17.14	20.57	23.33	0.2152
77	30	90	662332	3934.98	DFT-s- OFDM 256 QAM	1@1	17.64	16.97	20.33	23.09	0.2036
77	30	90	662332	3934.98	DFT-s- OFDM 256 QAM	1@243	18.03	17.24	20.66	23.42	0.2199
77	30	90	662332	3934.98	CP-OFDM QPSK	123@61	21	20.22	23.64	26.34	0.4303
77	30	90	662332	3934.98	CP-OFDM QPSK	1@1	21.06	19.88	23.52	26.22	0.4188
77	30	90	662332	3934.98	CP-OFDM QPSK	1@243	21.25	20.38	23.85	26.55	0.4515
77	30	90	662332	3934.98	CP-OFDM 16 QAM	123@61	20.49	19.79	23.16	25.86	0.3859
77	30	90	662332	3934.98	CP-OFDM 16 QAM	1@1	20.44	19.67	23.08	25.78	0.3786
77	30	90	662332	3934.98	CP-OFDM 16 QAM	1@243	20.61	20.08	23.36	26.06	0.4040
77	30	90	662332	3934.98	CP-OFDM 64 QAM	123@61	19.03	18.3	21.69	24.39	0.2748
77	30	90	662332	3934.98	CP-OFDM 64 QAM	1@1	18.99	17.94	21.51	24.21	0.2634

77	30	90	662332	3934.98	CP-OFDM 64 QAM	1@243	19.17	18.4	21.81	24.51	0.2826
77	30	90	662332	3934.98	CP-OFDM 256 QAM	123@61	16	15.27	18.66	21.36	0.1368
77	30	90	662332	3934.98	CP-OFDM 256 QAM	1@1	15.76	15.21	18.50	21.20	0.1319
77	30	90	662332	3934.98	CP-OFDM 256 QAM	1@243	16.2	15.4	18.83	21.53	0.1422
77	30	100	650000	3750	DFT-s- OFDM PI/2 BPSK	135@67	22.72	22.04	25.40	28.16	0.6552
77	30	100	650000	3750	DFT-s- OFDM PI/2 BPSK	1@1	22.57	22.18	25.39	28.15	0.6531
77	30	100	650000	3750	DFT-s- OFDM PI/2 BPSK	1@271	22.62	21.79	25.24	28.00	0.6302
77	30	100	650000	3750	DFT-s- OFDM QPSK	135@67	22.71	22.03	25.39	28.15	0.6537
77	30	100	650000	3750	DFT-s- OFDM QPSK	1@1	22.64	22.18	25.43	28.19	0.6586
77	30	100	650000	3750	DFT-s- OFDM QPSK	1@271	22.61	21.82	25.24	28.00	0.6314
77	30	100	650000	3750	DFT-s- OFDM 16 QAM	135@67	21.81	21.13	24.49	27.25	0.5313
77	30	100	650000	3750	DFT-s- OFDM 16 QAM	1@1	21.63	21.18	24.42	27.18	0.5225
77	30	100	650000	3750	DFT-s- OFDM 16 QAM	1@271	21.53	20.79	24.19	26.95	0.4950
77	30	100	650000	3750	DFT-s- OFDM 64 QAM	135@67	20.29	19.67	23.00	25.76	0.3768
77	30	100	650000	3750	DFT-s- OFDM 64 QAM	1@1	20.26	19.77	23.03	25.79	0.3795
77	30	100	650000	3750	DFT-s- OFDM 64 QAM	1@271	20.22	19.41	22.84	25.60	0.3634
77	30	100	650000	3750	DFT-s- OFDM 256 QAM	135@67	18.4	17.58	21.02	23.78	0.2388
77	30	100	650000	3750	DFT-s- OFDM 256 QAM	1@1	18.16	17.75	20.97	23.73	0.2361
77	30	100	650000	3750	DFT-s- OFDM 256 QAM	1@271	18.17	17.35	20.79	23.55	0.2264
77	30	100	650000	3750	CP-OFDM QPSK	137@68	21.34	20.63	24.01	26.71	0.4688
77	30	100	650000	3750	CP-OFDM QPSK	1@1	21.34	20.89	24.13	26.83	0.4821
77	30	100	650000	3750	CP-OFDM QPSK	1@271	21.33	20.46	23.93	26.63	0.4599
77	30	100	650000	3750	CP-OFDM 16 QAM	137@68	20.9	20.17	23.56	26.26	0.4227
77	30	100	650000	3750	CP-OFDM 16 QAM	1@1	20.76	20.59	23.69	26.39	0.4351
77	30	100	650000	3750	CP-OFDM 16 QAM	1@271	20.73	20.15	23.46	26.16	0.4130
77	30	100	650000	3750	CP-OFDM 64 QAM	137@68	19.42	18.68	22.08	24.78	0.3003

77	30	100	650000	3750	CP-OFDM 64 QAM	1@1	19.25	18.85	22.06	24.76	0.2996
77	30	100	650000	3750	CP-OFDM 64 QAM	1@271	19.25	18.61	21.95	24.65	0.2919
77	30	100	650000	3750	CP-OFDM 256 QAM	137@68	16.33	15.62	19.00	21.70	0.1479
77	30	100	650000	3750	CP-OFDM 256 QAM	1@1	16.12	15.36	18.77	21.47	0.1402
77	30	100	650000	3750	CP-OFDM 256 QAM	1@271	16.11	15.45	18.80	21.50	0.1413
77	30	100	656000	3840	DFT-s- OFDM PI/2 BPSK	135@67	22.58	21.8	25.22	27.98	0.6277
77	30	100	656000	3840	DFT-s- OFDM PI/2 BPSK	1@1	22.5	21.97	25.25	28.01	0.6329
77	30	100	656000	3840	DFT-s- OFDM PI/2 BPSK	1@271	22.39	21.55	25.00	27.76	0.5971
77	30	100	656000	3840	DFT-s- OFDM QPSK	135@67	22.59	21.77	25.21	27.97	0.6266
77	30	100	656000	3840	DFT-s- OFDM QPSK	1@1	22.58	22	25.31	28.07	0.6412
77	30	100	656000	3840	DFT-s- OFDM QPSK	1@271	22.32	21.51	24.94	27.70	0.5894
77	30	100	656000	3840	DFT-s- OFDM 16 QAM	135@67	21.65	20.88	24.29	27.05	0.5073
77	30	100	656000	3840	DFT-s- OFDM 16 QAM	1@1	21.4	20.9	24.17	26.93	0.4929
77	30	100	656000	3840	DFT-s- OFDM 16 QAM	1@271	21.3	20.48	23.92	26.68	0.4655
77	30	100	656000	3840	DFT-s- OFDM 64 QAM	135@67	20.2	19.38	22.82	25.58	0.3614
77	30	100	656000	3840	DFT-s- OFDM 64 QAM	1@1	20.13	19.53	22.85	25.61	0.3640
77	30	100	656000	3840	DFT-s- OFDM 64 QAM	1@271	19.94	19.07	22.54	25.30	0.3386
77	30	100	656000	3840	DFT-s- OFDM 256 QAM	135@67	18.21	17.39	20.83	23.59	0.2285
77	30	100	656000	3840	DFT-s- OFDM 256 QAM	1@1	18.12	17.54	20.85	23.61	0.2296
77	30	100	656000	3840	DFT-s- OFDM 256 QAM	1@271	17.92	17.11	20.54	23.30	0.2140
77	30	100	656000	3840	CP-OFDM QPSK	137@68	21.12	20.28	23.73	26.43	0.4396
77	30	100	656000	3840	CP-OFDM QPSK	1@1	21.26	20.38	23.85	26.55	0.4521
77	30	100	656000	3840	CP-OFDM QPSK	1@271	21.17	20.11	23.68	26.38	0.4348
77	30	100	656000	3840	CP-OFDM 16 QAM	137@68	20.73	19.79	23.30	26.00	0.3977
77	30	100	656000	3840	CP-OFDM 16 QAM	1@1	20.73	20.26	23.51	26.21	0.4180
77	30	100	656000	3840	CP-OFDM 16 QAM	1@271	20.46	19.94	23.22	25.92	0.3907

77	30	100	656000	3840	CP-OFDM 64 QAM	137@68	19.19	18.3	21.78	24.48	0.2804
77	30	100	656000	3840	CP-OFDM 64 QAM	1@1	19.09	18.42	21.78	24.48	0.2804
77	30	100	656000	3840	CP-OFDM 64 QAM	1@271	19.01	18.15	21.61	24.31	0.2699
77	30	100	656000	3840	CP-OFDM 256 QAM	137@68	16.13	15.33	18.76	21.46	0.1399
77	30	100	656000	3840	CP-OFDM 256 QAM	1@1	16.36	15.5	18.96	21.66	0.1466
77	30	100	656000	3840	CP-OFDM 256 QAM	1@271	15.94	15.24	18.61	21.31	0.1353
77	30	100	662000	3930	DFT-s- OFDM PI/2 BPSK	135@67	22.51	21.83	25.19	27.95	0.6243
77	30	100	662000	3930	DFT-s- OFDM PI/2 BPSK	1@1	22.51	21.5	25.04	27.80	0.6032
77	30	100	662000	3930	DFT-s- OFDM PI/2 BPSK	1@271	22.52	21.98	25.27	28.03	0.6351
77	30	100	662000	3930	DFT-s- OFDM QPSK	135@67	22.52	21.85	25.21	27.97	0.6264
77	30	100	662000	3930	DFT-s- OFDM QPSK	1@1	22.43	21.49	25.00	27.76	0.5964
77	30	100	662000	3930	DFT-s- OFDM QPSK	1@271	22.55	21.96	25.28	28.04	0.6361
77	30	100	662000	3930	DFT-s- OFDM 16 QAM	135@67	21.52	20.8	24.19	26.95	0.4949
77	30	100	662000	3930	DFT-s- OFDM 16 QAM	1@1	21.1	20.28	23.72	26.48	0.4446
77	30	100	662000	3930	DFT-s- OFDM 16 QAM	1@271	21.35	20.76	24.08	26.84	0.4825
77	30	100	662000	3930	DFT-s- OFDM 64 QAM	135@67	20.02	19.28	22.68	25.44	0.3496
77	30	100	662000	3930	DFT-s- OFDM 64 QAM	1@1	19.77	19.04	22.43	25.19	0.3304
77	30	100	662000	3930	DFT-s- OFDM 64 QAM	1@271	20.07	19.45	22.78	25.54	0.3582
77	30	100	662000	3930	DFT-s- OFDM 256 QAM	135@67	18	17.27	20.66	23.42	0.2198
77	30	100	662000	3930	DFT-s- OFDM 256 QAM	1@1	17.16	16.82	20.00	22.76	0.1890
77	30	100	662000	3930	DFT-s- OFDM 256 QAM	1@271	17.93	17.29	20.63	23.39	0.2184
77	30	100	662000	3930	CP-OFDM QPSK	137@68	21.09	20.27	23.71	26.41	0.4375
77	30	100	662000	3930	CP-OFDM QPSK	1@1	21.08	19.82	23.51	26.21	0.4174
77	30	100	662000	3930	CP-OFDM QPSK	1@271	21.4	20.37	23.93	26.63	0.4598
77	30	100	662000	3930	CP-OFDM 16 QAM	137@68	20.5	19.78	23.17	25.87	0.3859
77	30	100	662000	3930	CP-OFDM 16 QAM	1@1	20.43	19.64	23.06	25.76	0.3770

77	30	100	662000	3930	CP-OFDM 16 QAM	1@271	20.79	20.27	23.55	26.25	0.4215
77	30	100	662000	3930	CP-OFDM 64 QAM	137@68	18.97	18.21	21.62	24.32	0.2702
77	30	100	662000	3930	CP-OFDM 64 QAM	1@1	18.91	17.89	21.44	24.14	0.2594
77	30	100	662000	3930	CP-OFDM 64 QAM	1@271	19.19	18.4	21.82	24.52	0.2834
77	30	100	662000	3930	CP-OFDM 256 QAM	137@68	15.95	15.25	18.62	21.32	0.1357
77	30	100	662000	3930	CP-OFDM 256 QAM	1@1	16.21	14.85	18.59	21.29	0.1347
77	30	100	662000	3930	CP-OFDM 256 QAM	1@271	16.36	15.54	18.98	21.68	0.1472

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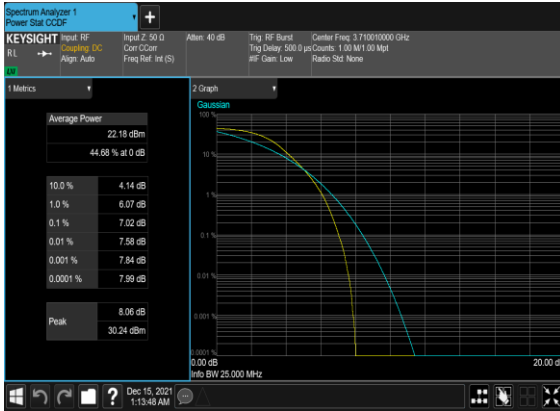
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	-0.00373	PASS	NV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	-0.0055	PASS	LV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	-0.00643	PASS	HV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	-0.00533	PASS	-30°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	-0.00679	PASS	-20°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	-0.00537	PASS	-10°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	-0.00417	PASS	0°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	-0.00565	PASS	10°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	-0.00214	PASS	20°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	-0.00361	PASS	30°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	-0.00502	PASS	40°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	-0.00559	PASS	50°C

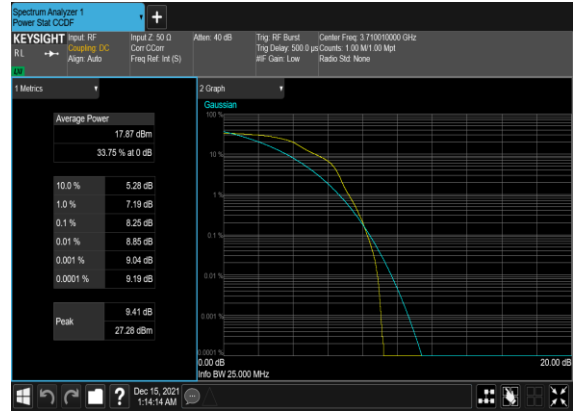
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	50@0	7.02	13	PASS
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@0	8.25	13	PASS
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	50@0	7.96	13	PASS
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	8.31	13	PASS
77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	50@0	6.99	13	PASS
77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	1@0	7.39	13	PASS
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	8.1	13	PASS
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	1@0	7.86	13	PASS
77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	50@0	6.82	13	PASS
77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	1@0	7.25	13	PASS
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	50@0	7.74	13	PASS
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@0	8.22	13	PASS

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



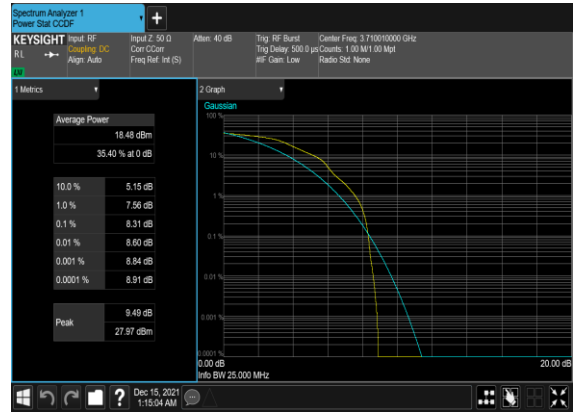
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



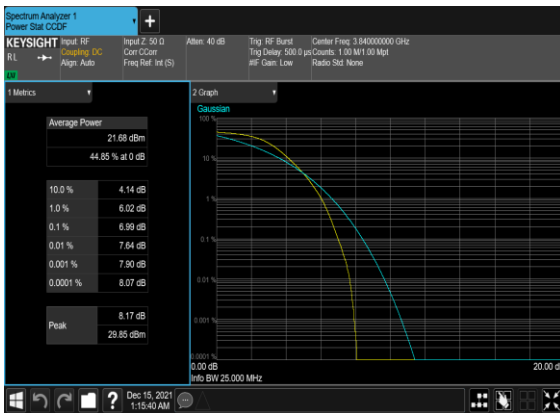
N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



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



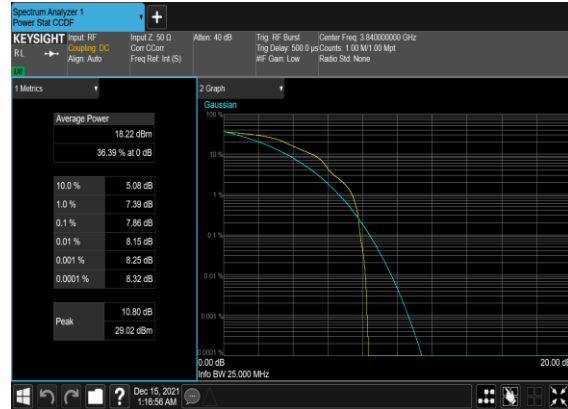
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



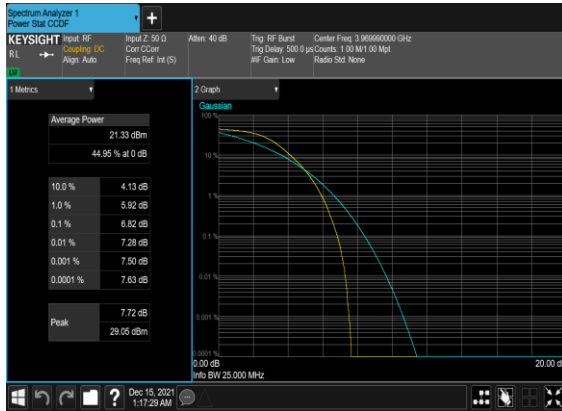
N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



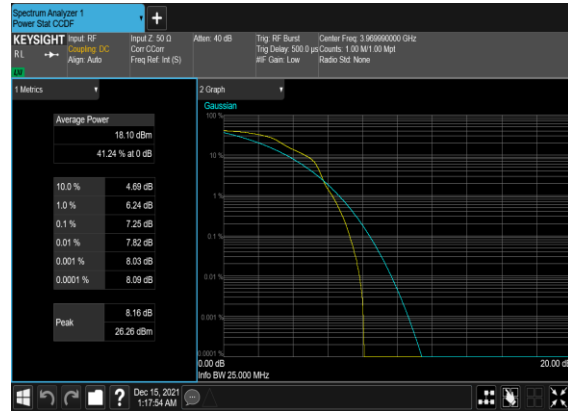
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



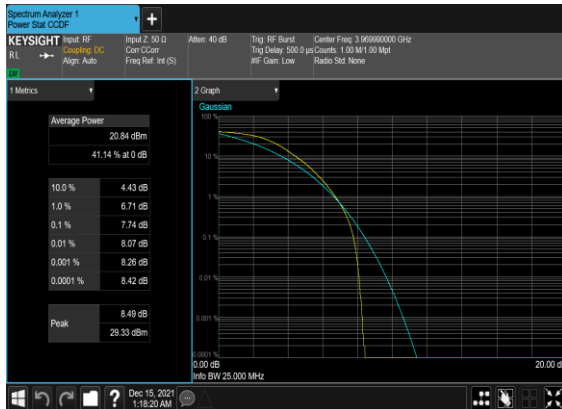
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



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



N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



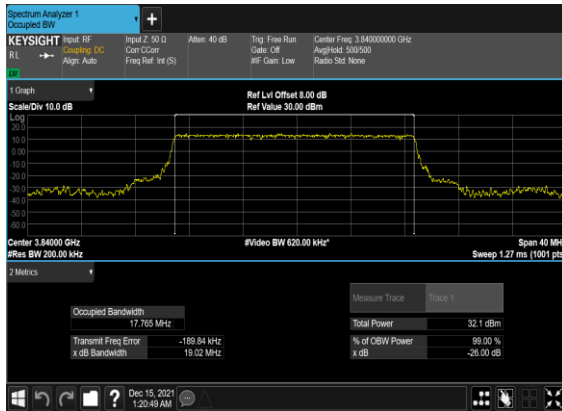
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	50@0	17.765	19.02
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	17.833	19.15
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	18.19	19.36
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	18.184	19.65
77	30	20	656000	3840.0	CP-OFDM 64 QAM	51@0	18.225	19.46
77	30	20	656000	3840.0	CP-OFDM 256 QAM	51@0	18.201	19.57
77	30	30	656000	3840.0	DFT-s-OFDM PI/2 BPSK	75@0	26.759	28.56
77	30	30	656000	3840.0	DFT-s-OFDM QPSK	75@0	26.736	28.28
77	30	30	656000	3840.0	CP-OFDM QPSK	78@0	27.826	29.58
77	30	30	656000	3840.0	CP-OFDM 16 QAM	78@0	27.865	29.51
77	30	30	656000	3840.0	CP-OFDM 64 QAM	78@0	27.808	29.43
77	30	30	656000	3840.0	CP-OFDM 256 QAM	78@0	27.842	29.43
77	30	40	656000	3840.0	DFT-s-OFDM PI/2 BPSK	100@0	35.769	37.4
77	30	40	656000	3840.0	DFT-s-OFDM QPSK	100@0	35.792	37.33
77	30	40	656000	3840.0	CP-OFDM QPSK	106@0	37.845	39.82
77	30	40	656000	3840.0	CP-OFDM 16 QAM	106@0	37.851	39.74
77	30	40	656000	3840.0	CP-OFDM 64 QAM	106@0	37.819	39.54
77	30	40	656000	3840.0	CP-OFDM 256 QAM	106@0	37.901	39.65
77	30	50	656000	3840.0	DFT-s-OFDM PI/2 BPSK	128@0	45.729	47.69
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	128@0	45.718	47.55
77	30	50	656000	3840.0	CP-OFDM QPSK	133@0	47.447	49.57
77	30	50	656000	3840.0	CP-OFDM 16 QAM	133@0	47.478	49.21
77	30	50	656000	3840.0	CP-OFDM 64 QAM	133@0	47.409	49.5
77	30	50	656000	3840.0	CP-OFDM 256 QAM	133@0	47.455	49.23

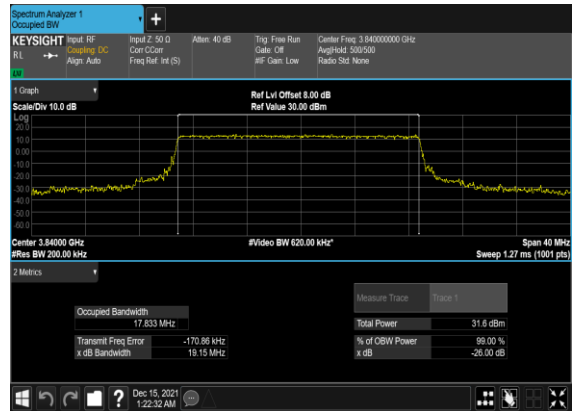
77	30	60	656000	3840.0	DFT-s-OFDM PI/2 BPSK	162@0	57.889	60.16
77	30	60	656000	3840.0	DFT-s-OFDM QPSK	162@0	57.925	60.25
77	30	60	656000	3840.0	CP-OFDM QPSK	162@0	57.897	60.11
77	30	60	656000	3840.0	CP-OFDM 16 QAM	162@0	57.891	60.17
77	30	60	656000	3840.0	CP-OFDM 64 QAM	162@0	57.873	59.91
77	30	60	656000	3840.0	CP-OFDM 256 QAM	162@0	57.796	60.07
77	30	70	656000	3840.0	DFT-s-OFDM PI/2 BPSK	180@0	64.464	66.64
77	30	70	656000	3840.0	DFT-s-OFDM QPSK	180@0	64.391	66.52
77	30	70	656000	3840.0	CP-OFDM QPSK	189@0	67.501	70.0
77	30	70	656000	3840.0	CP-OFDM 16 QAM	189@0	67.447	69.82
77	30	70	656000	3840.0	CP-OFDM 64 QAM	189@0	67.349	69.77
77	30	70	656000	3840.0	CP-OFDM 256 QAM	189@0	67.412	69.82
77	30	80	656000	3840.0	DFT-s-OFDM PI/2 BPSK	216@0	77.138	79.89
77	30	80	656000	3840.0	DFT-s-OFDM QPSK	216@0	77.269	79.86
77	30	80	656000	3840.0	CP-OFDM QPSK	217@0	77.503	80.07
77	30	80	656000	3840.0	CP-OFDM 16 QAM	217@0	77.507	80.12
77	30	80	656000	3840.0	CP-OFDM 64 QAM	217@0	77.586	80.06
77	30	80	656000	3840.0	CP-OFDM 256 QAM	217@0	77.55	80.22
77	30	90	656000	3840.0	DFT-s-OFDM PI/2 BPSK	240@0	85.902	88.51
77	30	90	656000	3840.0	DFT-s-OFDM QPSK	240@0	85.782	88.62
77	30	90	656000	3840.0	CP-OFDM QPSK	245@0	87.515	90.35
77	30	90	656000	3840.0	CP-OFDM 16 QAM	245@0	87.381	90.29
77	30	90	656000	3840.0	CP-OFDM 64 QAM	245@0	87.564	90.46
77	30	90	656000	3840.0	CP-OFDM 256 QAM	245@0	87.597	90.42
77	30	100	656000	3840.0	DFT-s-OFDM PI/2 BPSK	270@0	96.492	99.54

77	30	100	656000	3840.0	DFT-s-OFDM QPSK	270@0	96.362	99.41
77	30	100	656000	3840.0	CP-OFDM QPSK	273@0	97.521	100.7
77	30	100	656000	3840.0	CP-OFDM 16 QAM	273@0	97.649	100.7
77	30	100	656000	3840.0	CP-OFDM 64 QAM	273@0	97.504	100.6
77	30	100	656000	3840.0	CP-OFDM 256 QAM	273@0	97.446	100.6

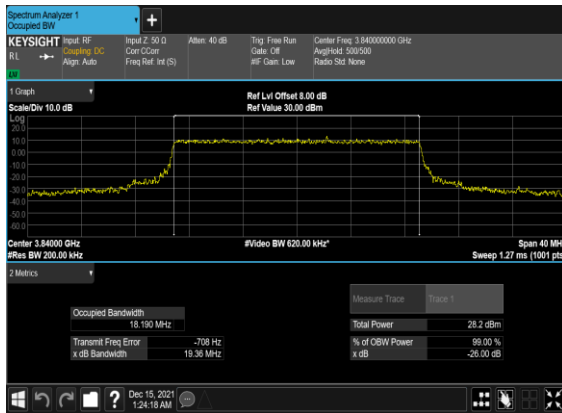
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



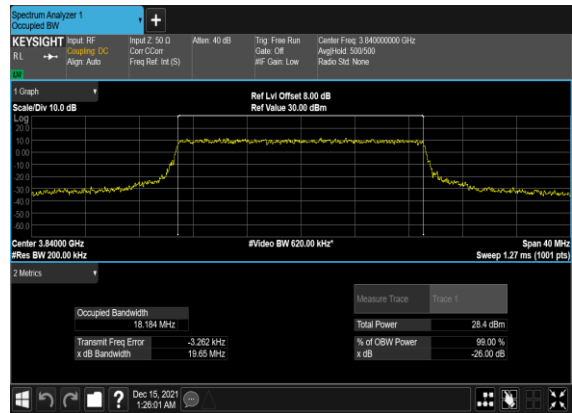
N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



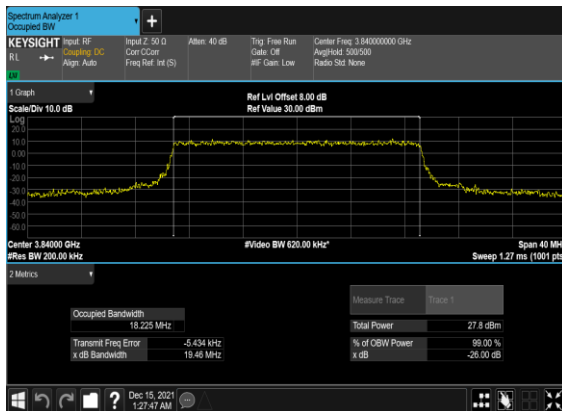
N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



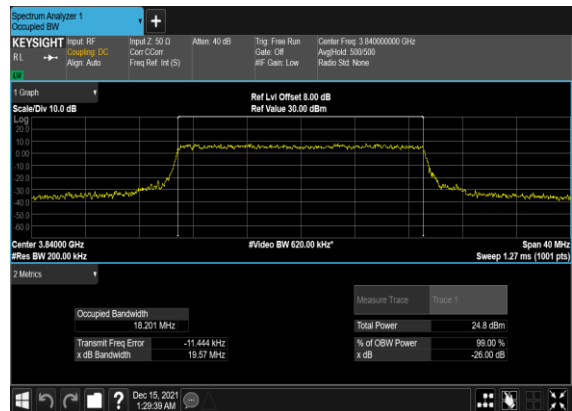
N77(20M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



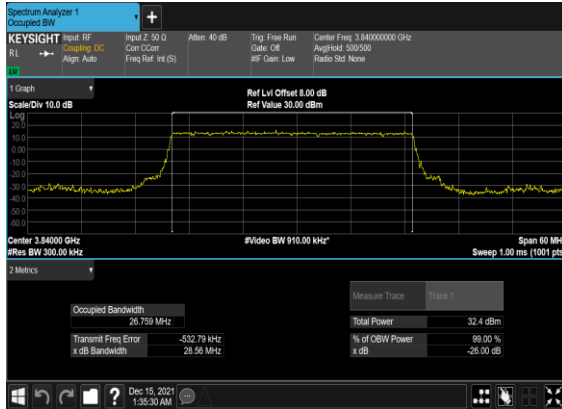
N77(20M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



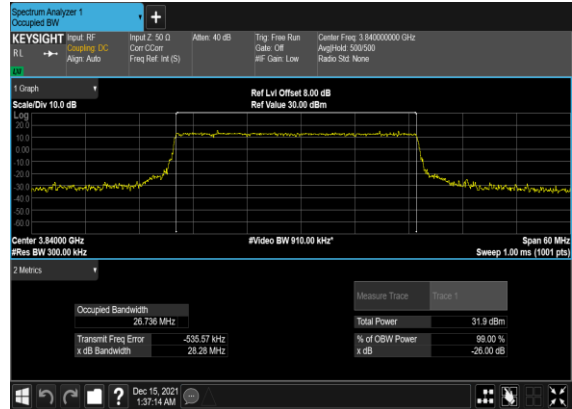
N77(20M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



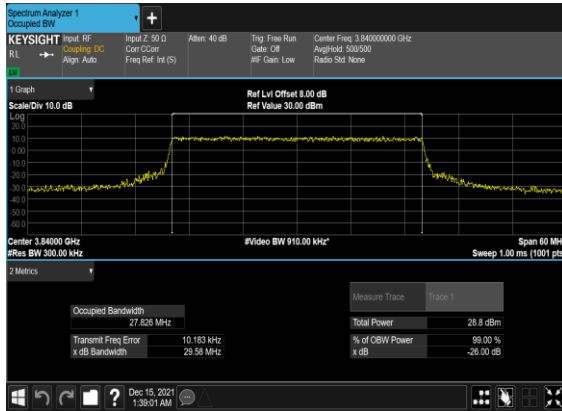
N77(30M)_DFT-s-OFDM_PI_2- BPSK_Outer_Full_Mid_CH



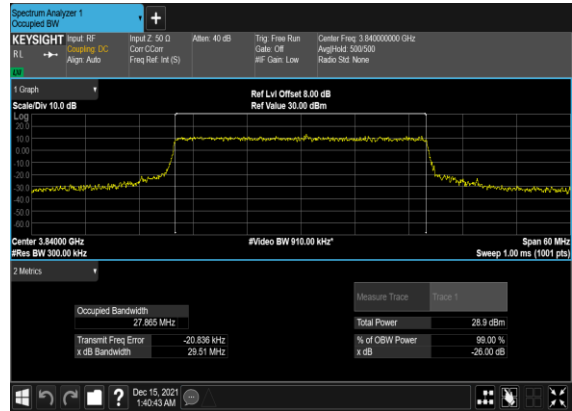
N77(30M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



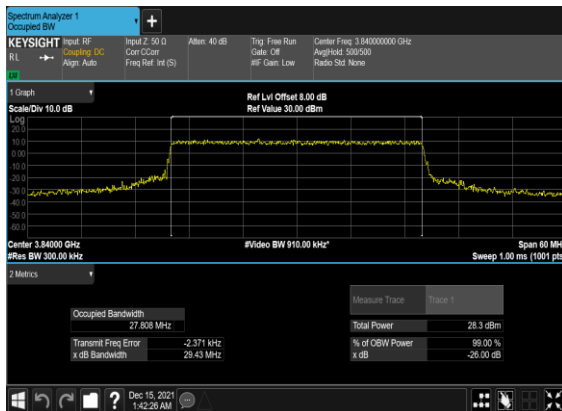
N77(30M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



N77(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

