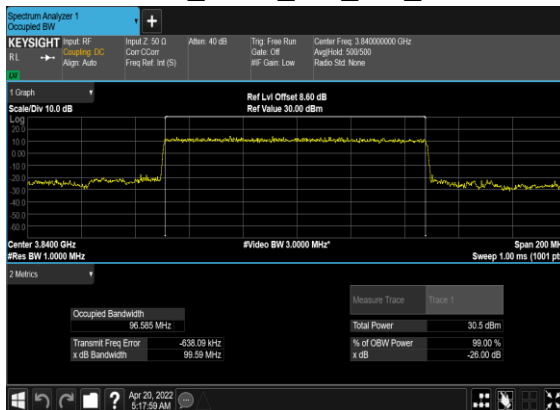
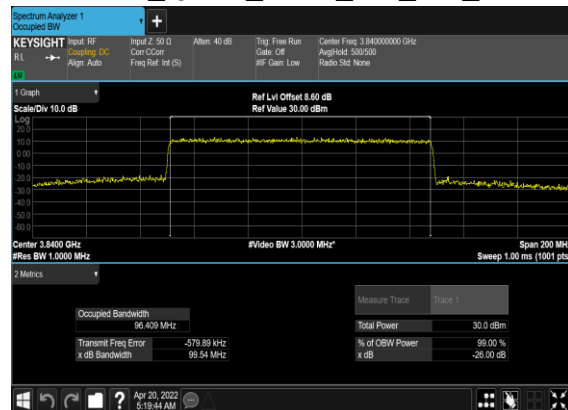


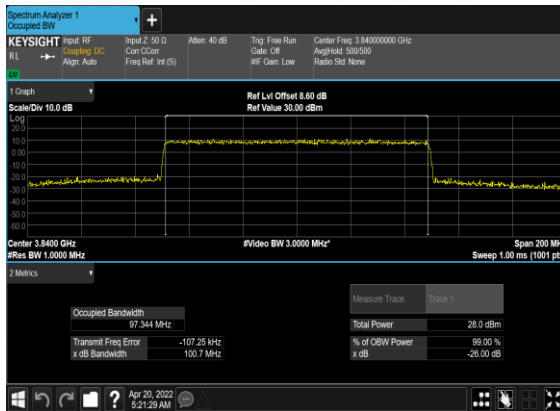
N77(100M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



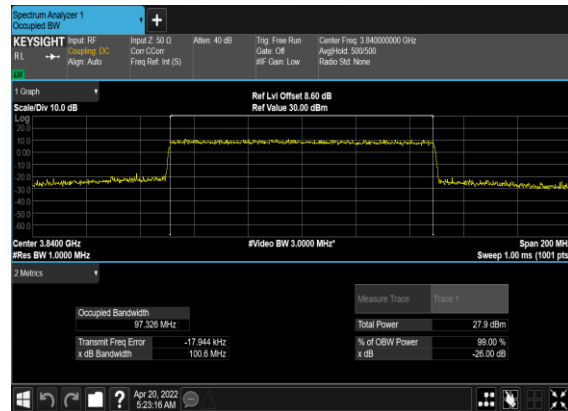
N77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



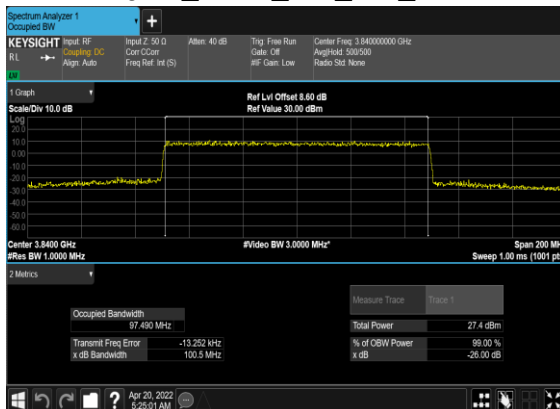
N77(100M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



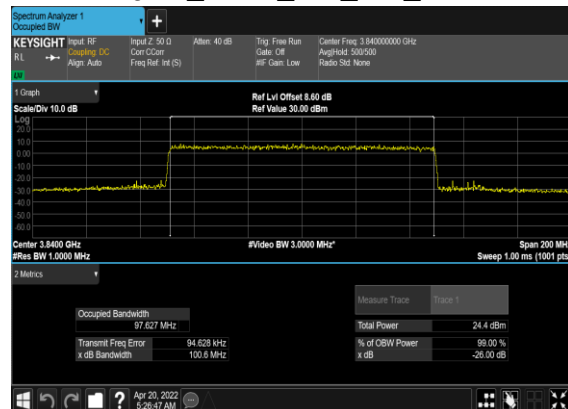
N77(100M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



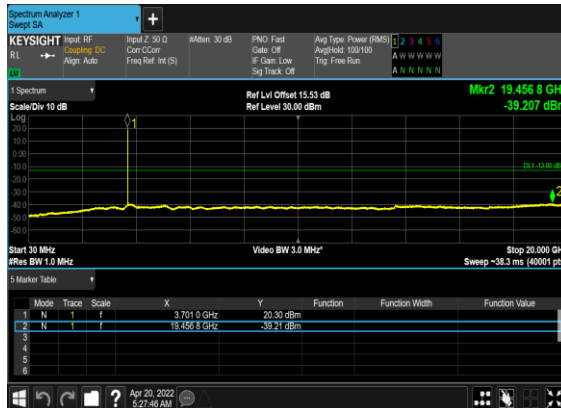
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	10	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	10	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	---

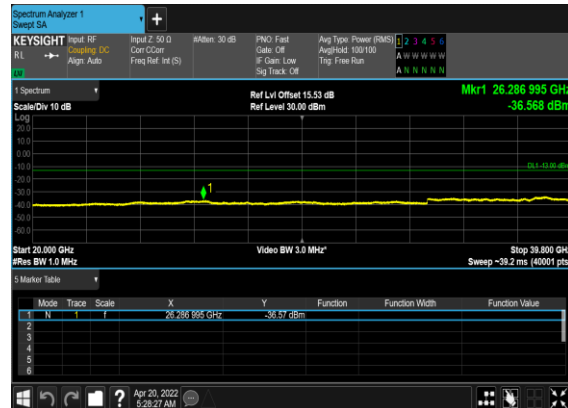
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	663666	3954.99	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

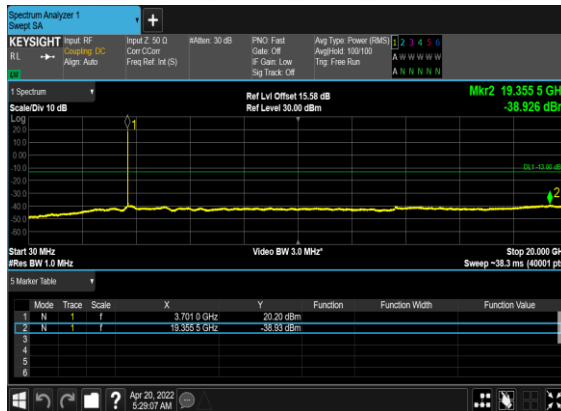
N77(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



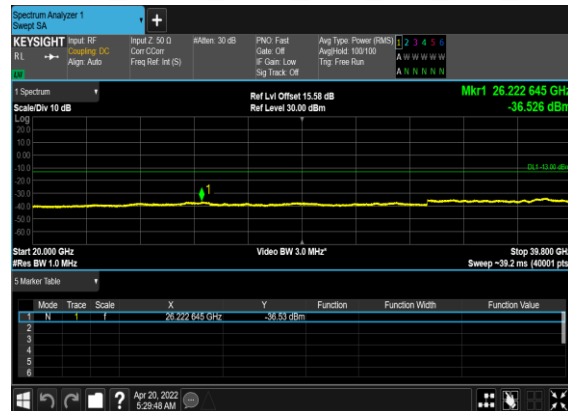
N77(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



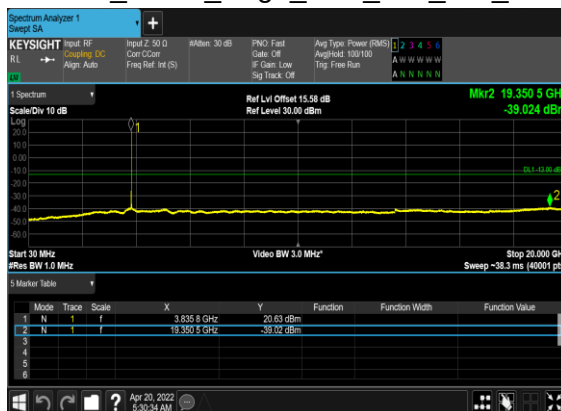
N77(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



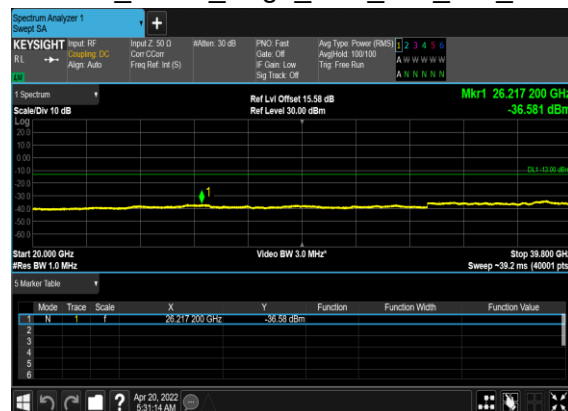
N77(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



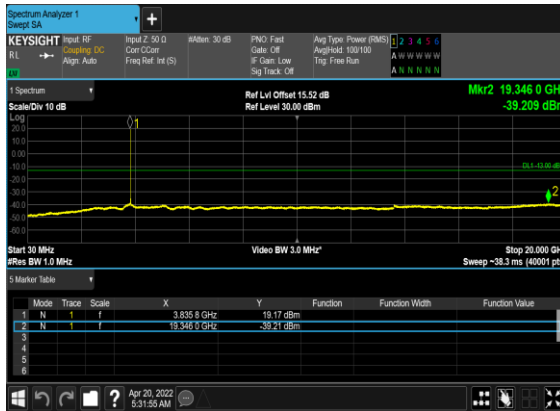
N77(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH



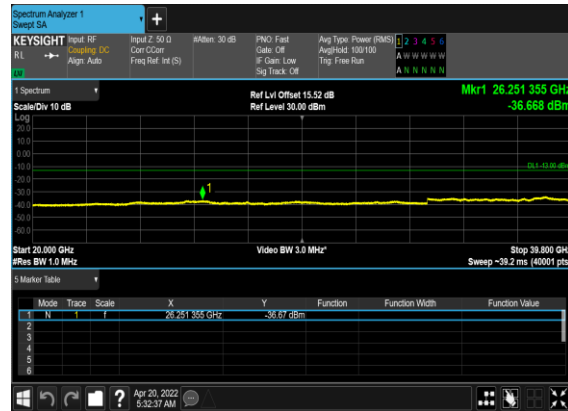
N77(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH



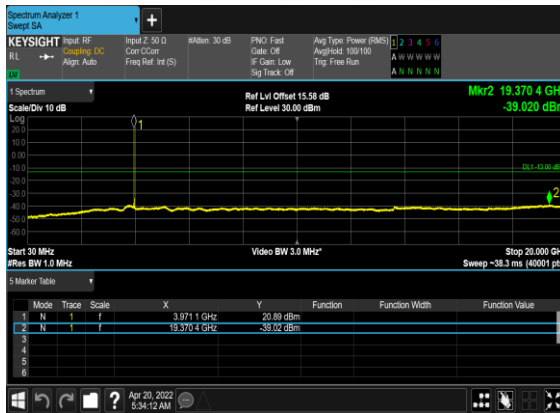
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



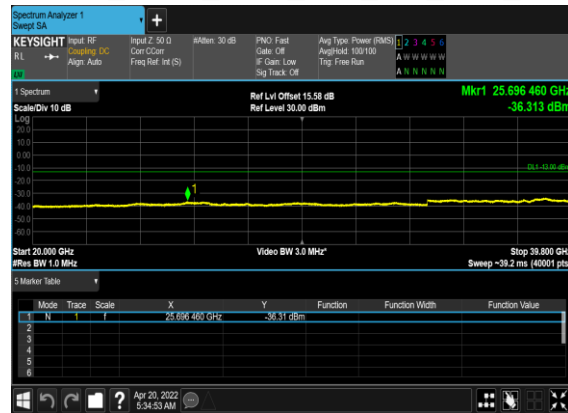
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



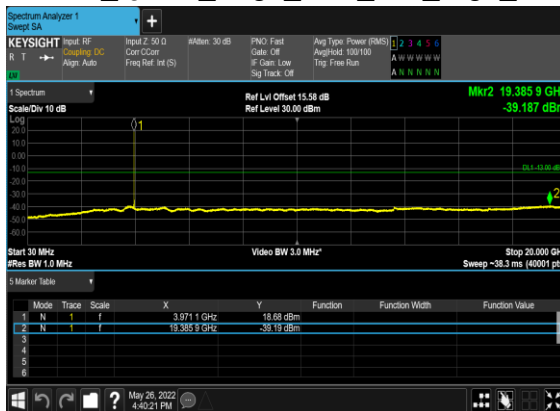
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



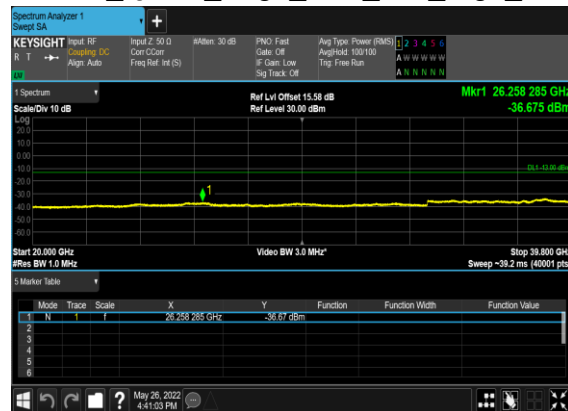
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



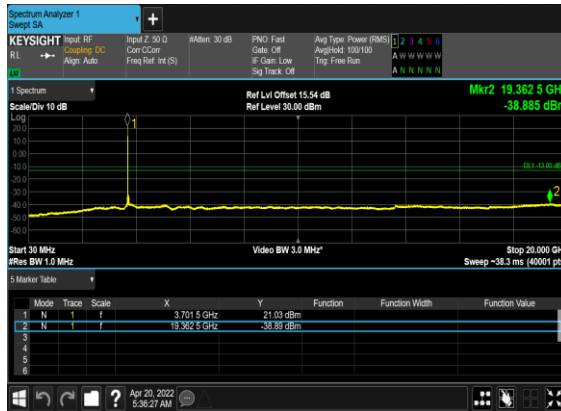
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



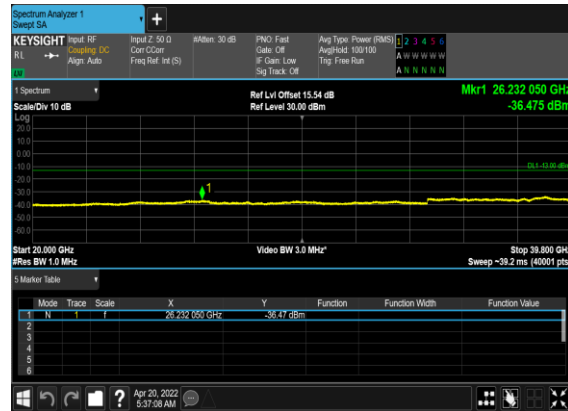
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



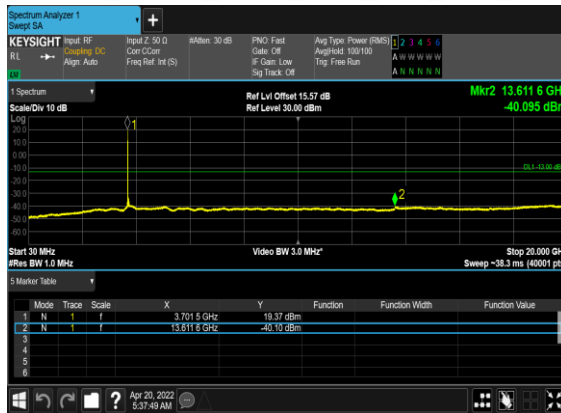
N77(50M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



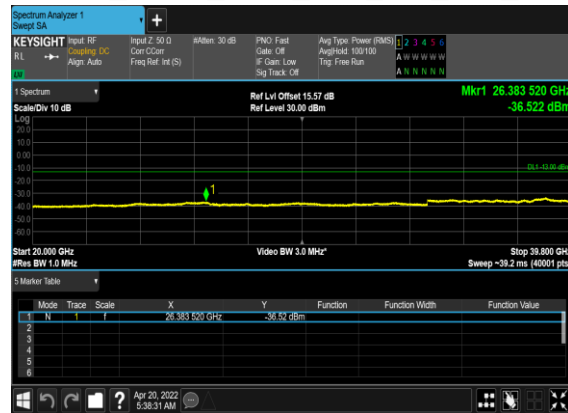
N77(50M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



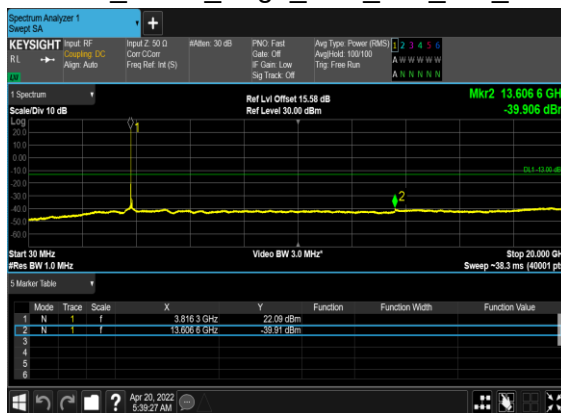
N77(50M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



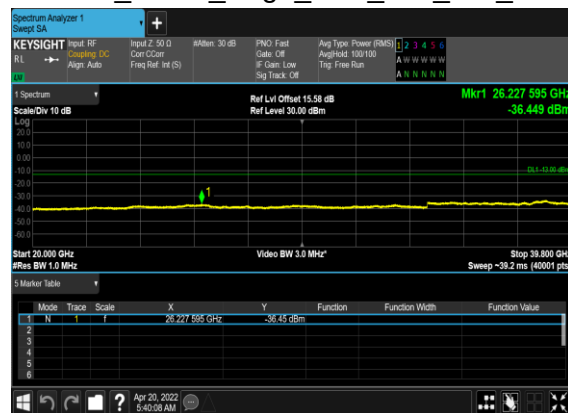
N77(50M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



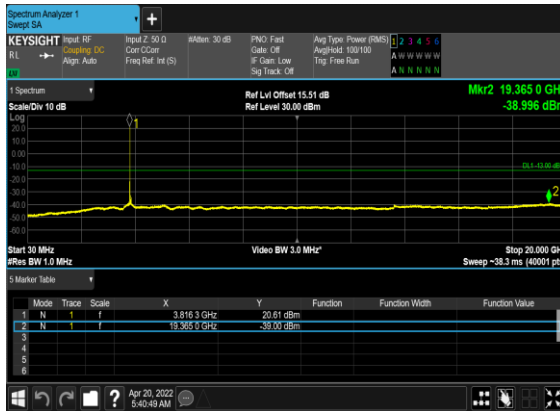
N77(50M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH



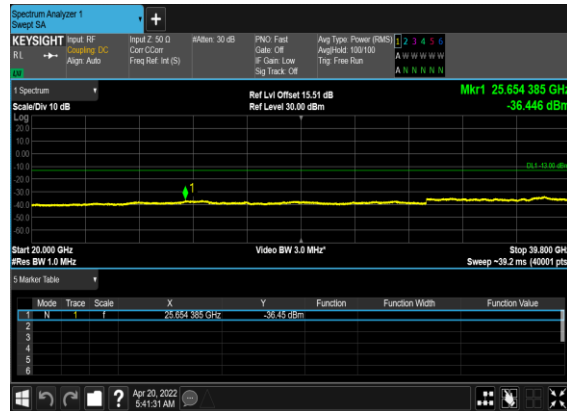
N77(50M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH



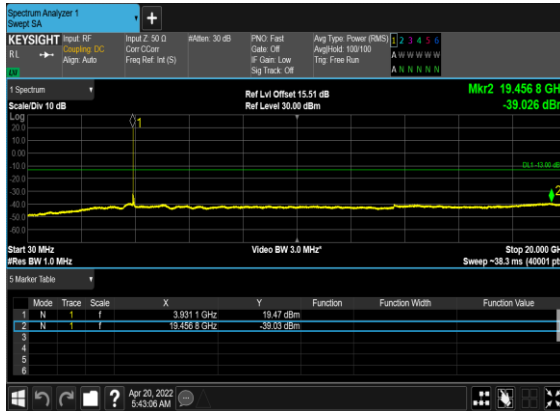
N77(50M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Mid_CH



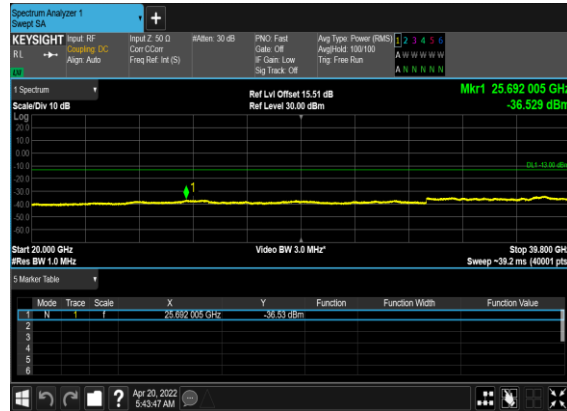
N77(50M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Mid_CH



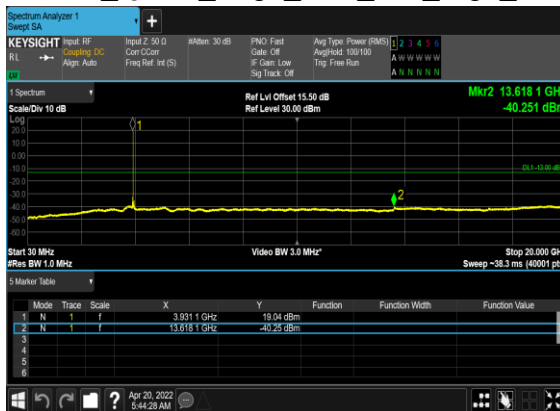
N77(50M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_High_CH



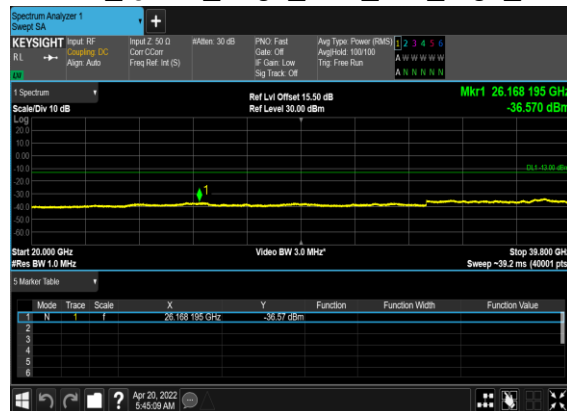
N77(50M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_High_CH



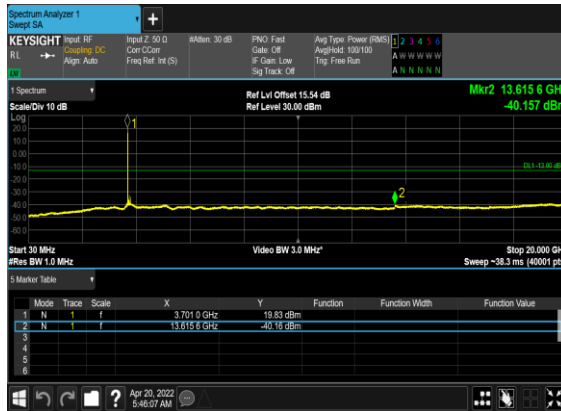
N77(50M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_High_CH



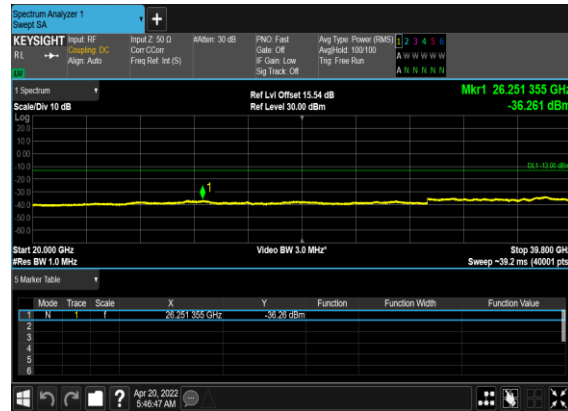
N77(50M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_High_CH



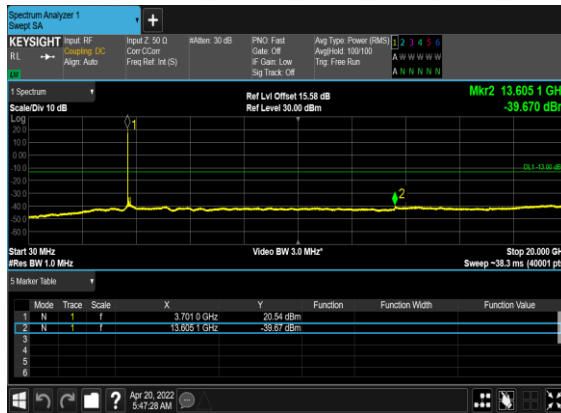
N77(100M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



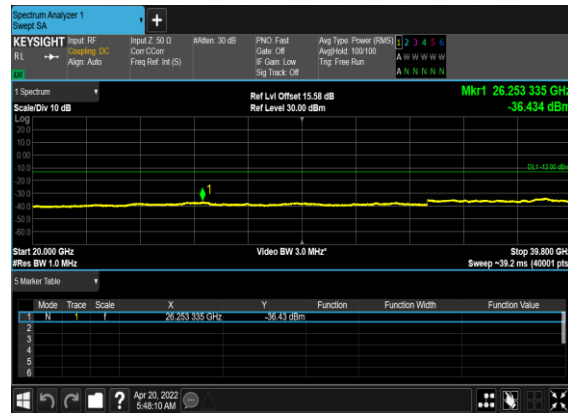
N77(100M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



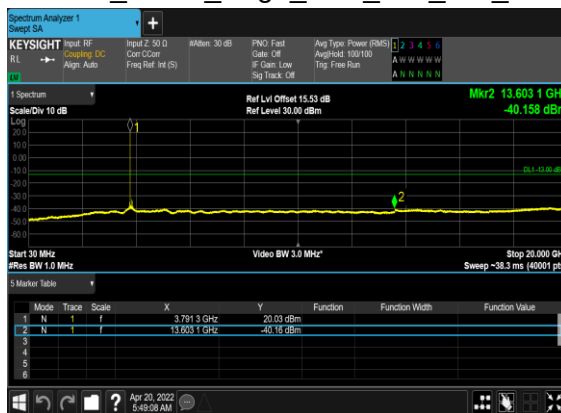
N77(100M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



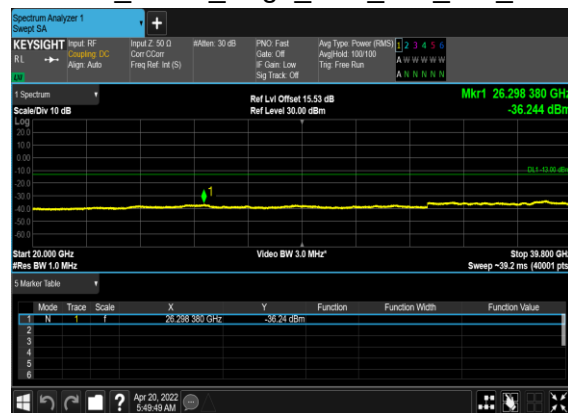
N77(100M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



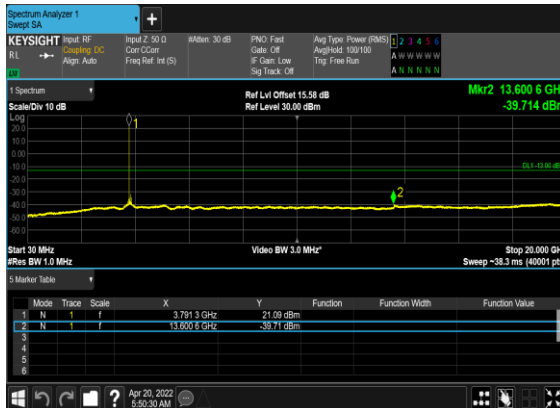
N77(100M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH



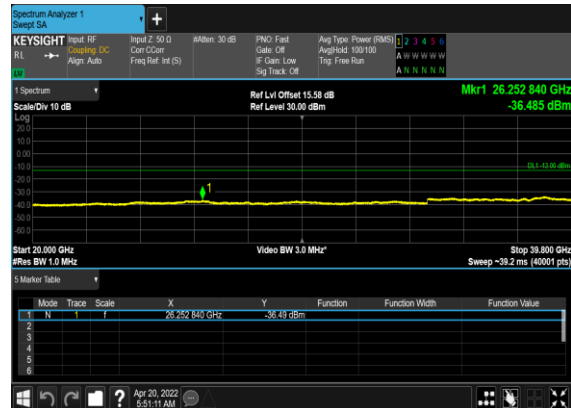
N77(100M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH



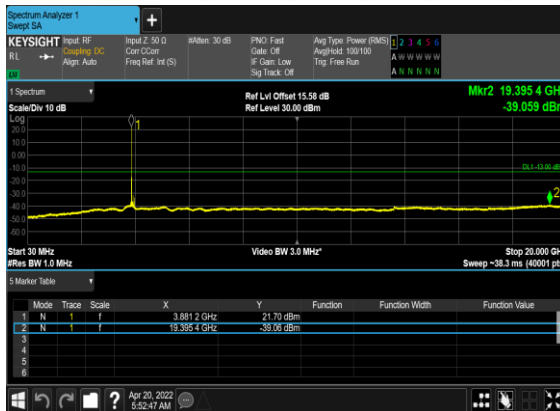
N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



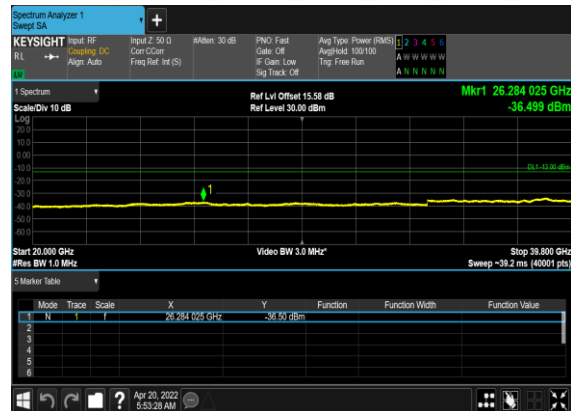
N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



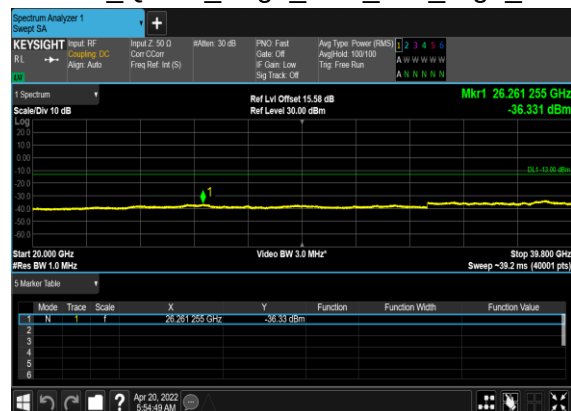
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



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	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	24@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	24@0	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@23	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@23	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	24@0	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	24@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	128@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	128@0	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@132	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@132	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	128@0	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	128@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(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



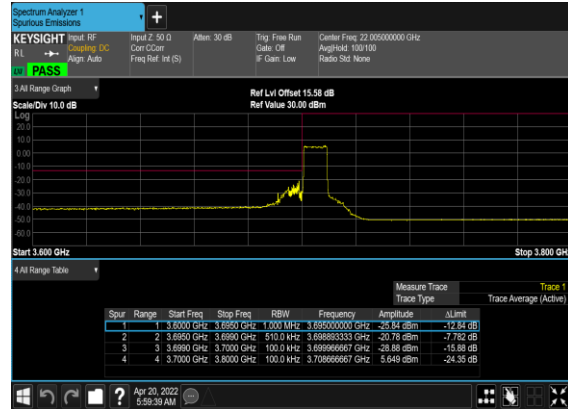
N77(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



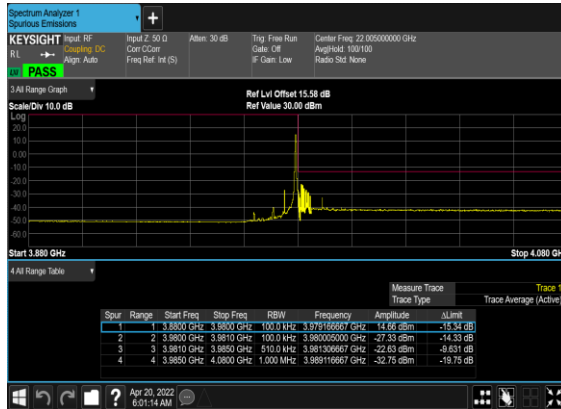
N77(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



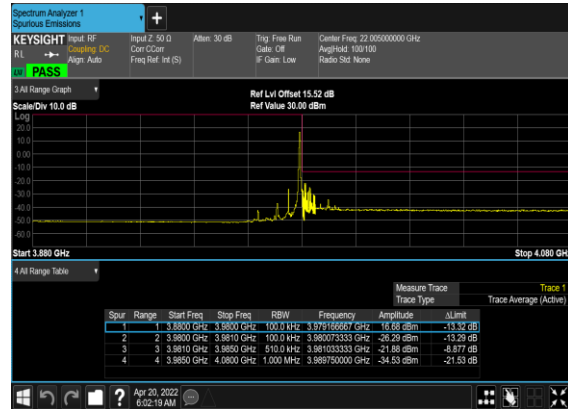
N77(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



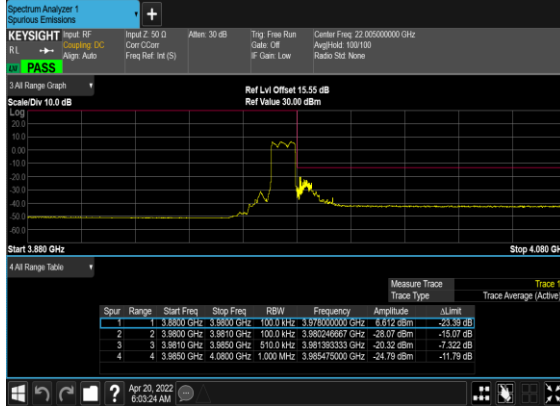
N77(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



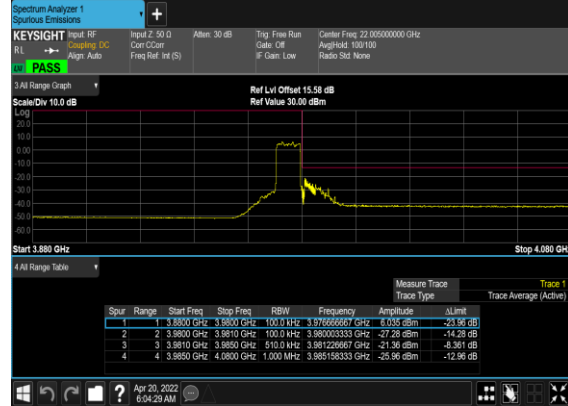
N77(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



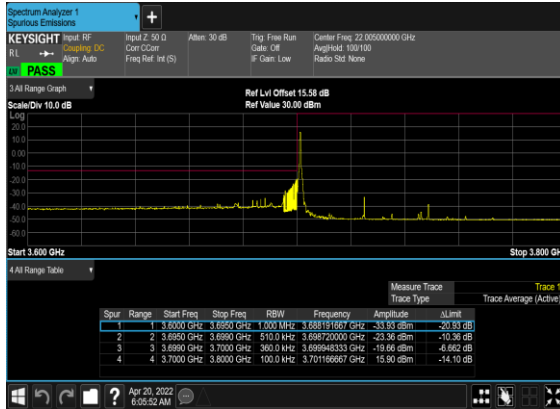
N77(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



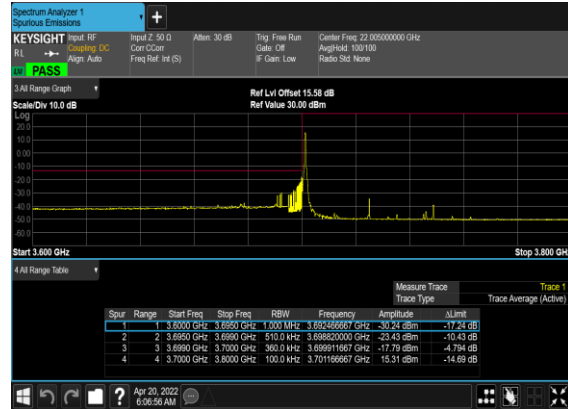
N77(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



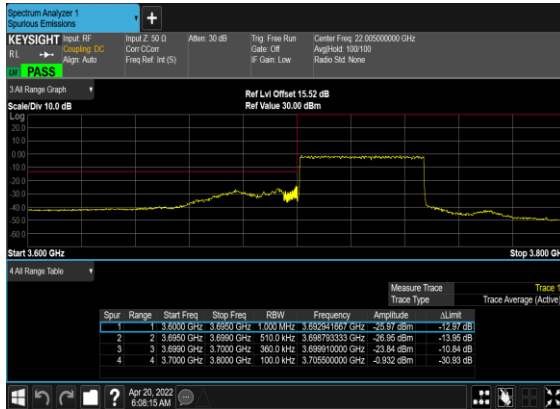
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



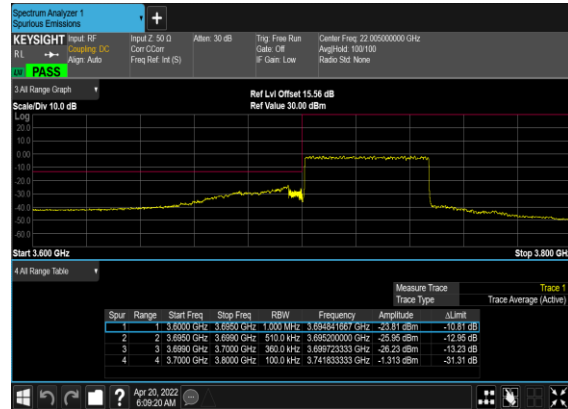
N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(50M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



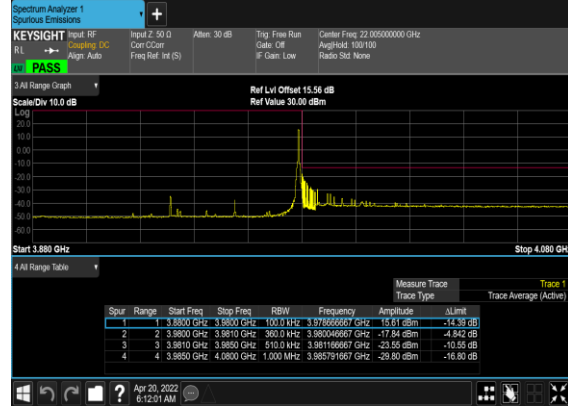
N77(50M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



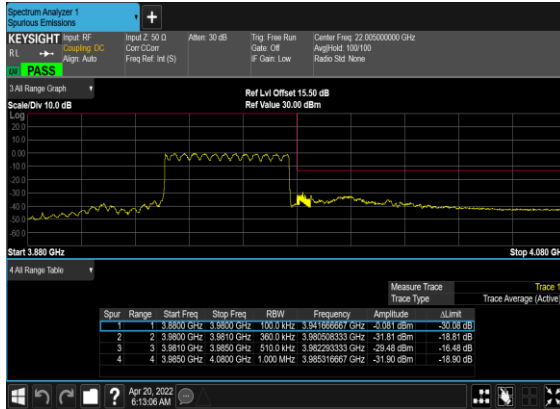
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



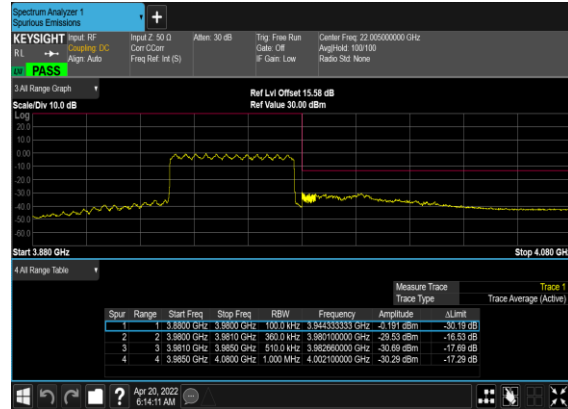
N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



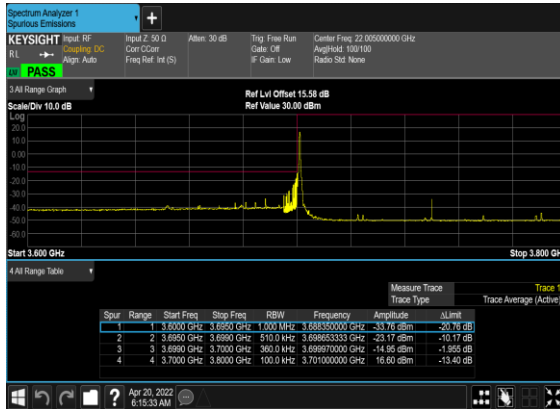
N77(50M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



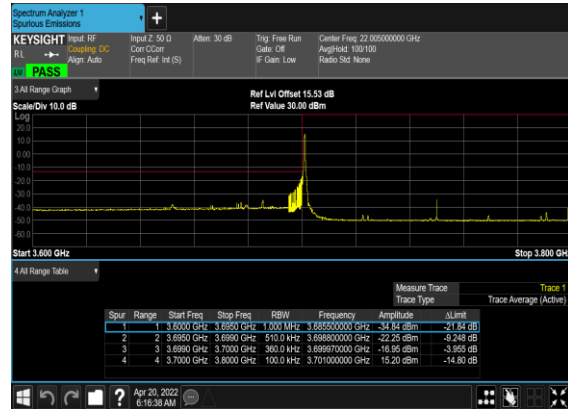
N77(50M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



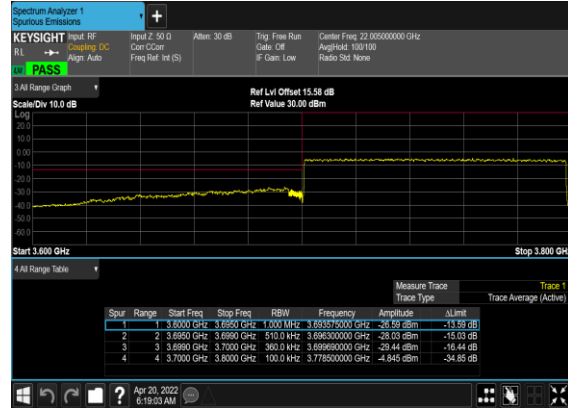
N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



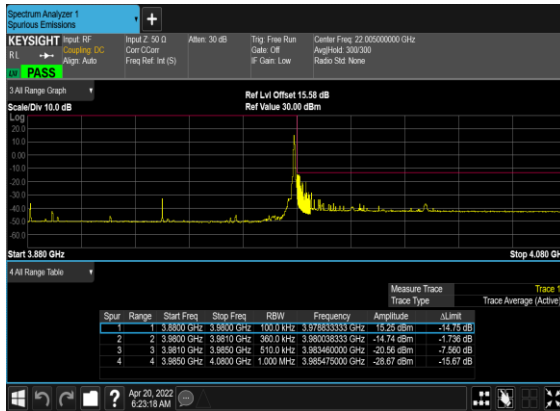
N77(100M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



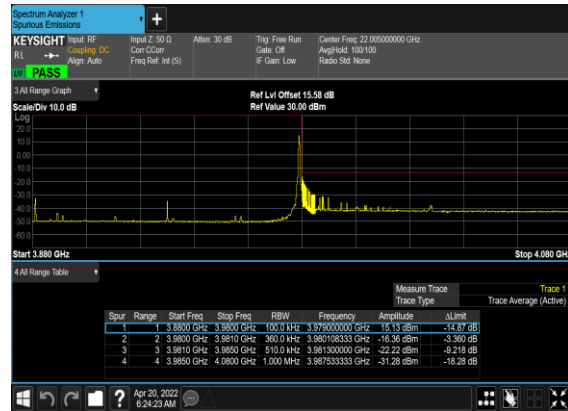
N77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



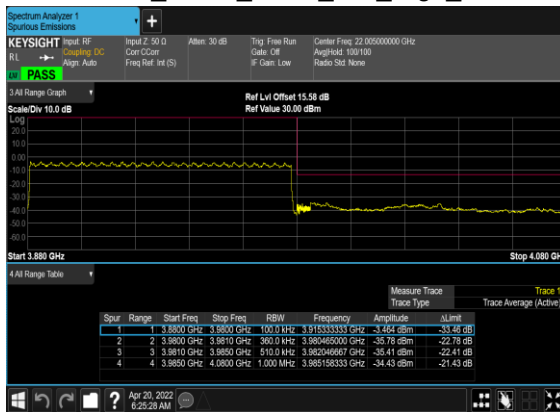
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



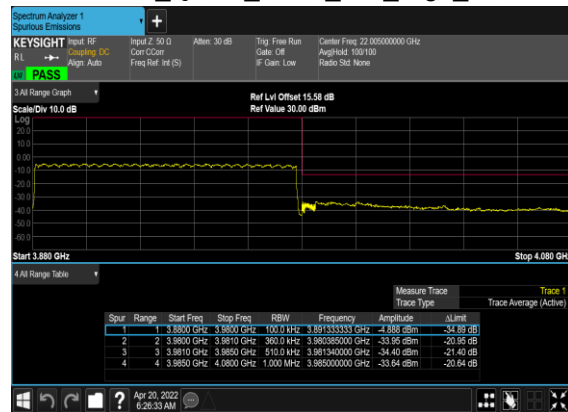
N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N77(100M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



FR1 N78 SCS 15kHz

Conducted Power and EIRP (ANT gain=-6.8dBi)

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	15	10	647000	3705	DFT-s-OFDM PI/2 BPSK	25@12	22.41	15.61	0.0364
78	15	10	647000	3705	DFT-s-OFDM PI/2 BPSK	1@1	22.4	15.6	0.0363
78	15	10	647000	3705	DFT-s-OFDM PI/2 BPSK	1@50	22.43	15.63	0.0366
78	15	10	647000	3705	DFT-s-OFDM QPSK	25@12	22.41	15.61	0.0364
78	15	10	647000	3705	DFT-s-OFDM QPSK	1@1	22.39	15.59	0.0362
78	15	10	647000	3705	DFT-s-OFDM QPSK	1@50	22.39	15.59	0.0362
78	15	10	647000	3705	DFT-s-OFDM 16 QAM	25@12	21.37	14.57	0.0286
78	15	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	21.58	14.78	0.0301
78	15	10	647000	3705	DFT-s-OFDM 16 QAM	1@50	21.64	14.84	0.0305
78	15	10	647000	3705	DFT-s-OFDM 64 QAM	25@12	19.9	13.1	0.0204
78	15	10	647000	3705	DFT-s-OFDM 64 QAM	1@1	20.13	13.33	0.0215
78	15	10	647000	3705	DFT-s-OFDM 64 QAM	1@50	20.08	13.28	0.0213
78	15	10	647000	3705	DFT-s-OFDM 256 QAM	25@12	17.83	11.03	0.0127
78	15	10	647000	3705	DFT-s-OFDM 256 QAM	1@1	18.12	11.32	0.0136
78	15	10	647000	3705	DFT-s-OFDM 256 QAM	1@50	18.05	11.25	0.0133
78	15	10	647000	3705	CP-OFDM QPSK	26@13	20.93	14.13	0.0259
78	15	10	647000	3705	CP-OFDM QPSK	1@1	20.82	14.02	0.0252
78	15	10	647000	3705	CP-OFDM QPSK	1@50	20.9	14.1	0.0257
78	15	10	650000	3750	DFT-s-OFDM PI/2 BPSK	25@12	22.47	15.67	0.0369
78	15	10	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	22.24	15.44	0.0350
78	15	10	650000	3750	DFT-s-OFDM PI/2 BPSK	1@50	22.27	15.47	0.0352

78	15	10	650000	3750	DFT-s-OFDM QPSK	25@12	22.31	15.51	0.0356
78	15	10	650000	3750	DFT-s-OFDM QPSK	1@1	22.52	15.72	0.0373
78	15	10	650000	3750	DFT-s-OFDM QPSK	1@50	22.36	15.56	0.0360
78	15	10	650000	3750	DFT-s-OFDM 16 QAM	25@12	21.33	14.53	0.0284
78	15	10	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.34	14.54	0.0284
78	15	10	650000	3750	DFT-s-OFDM 16 QAM	1@50	21.51	14.71	0.0296
78	15	10	650000	3750	DFT-s-OFDM 64 QAM	25@12	19.78	12.98	0.0199
78	15	10	650000	3750	DFT-s-OFDM 64 QAM	1@1	19.9	13.1	0.0204
78	15	10	650000	3750	DFT-s-OFDM 64 QAM	1@50	19.91	13.11	0.0205
78	15	10	650000	3750	DFT-s-OFDM 256 QAM	25@12	17.73	10.93	0.0124
78	15	10	650000	3750	DFT-s-OFDM 256 QAM	1@1	17.85	11.05	0.0127
78	15	10	650000	3750	DFT-s-OFDM 256 QAM	1@50	18.01	11.21	0.0132
78	15	10	650000	3750	CP-OFDM QPSK	26@13	20.78	13.98	0.0250
78	15	10	650000	3750	CP-OFDM QPSK	1@1	20.76	13.96	0.0249
78	15	10	650000	3750	CP-OFDM QPSK	1@50	20.77	13.97	0.0249
78	15	10	653000	3795	DFT-s-OFDM PI/2 BPSK	25@12	22.66	15.86	0.0385
78	15	10	653000	3795	DFT-s-OFDM PI/2 BPSK	1@1	22.62	15.82	0.0382
78	15	10	653000	3795	DFT-s-OFDM PI/2 BPSK	1@50	22.69	15.89	0.0388
78	15	10	653000	3795	DFT-s-OFDM QPSK	25@12	22.71	15.91	0.0390
78	15	10	653000	3795	DFT-s-OFDM QPSK	1@1	22.56	15.76	0.0377
78	15	10	653000	3795	DFT-s-OFDM QPSK	1@50	22.66	15.86	0.0385
78	15	10	653000	3795	DFT-s-OFDM 16 QAM	25@12	21.63	14.83	0.0304
78	15	10	653000	3795	DFT-s-OFDM 16 QAM	1@1	21.81	15.01	0.0317

78	15	10	653000	3795	DFT-s-OFDM 16 QAM	1@50	21.9	15.1	0.0324
78	15	10	653000	3795	DFT-s-OFDM 64 QAM	25@12	20.11	13.31	0.0214
78	15	10	653000	3795	DFT-s-OFDM 64 QAM	1@1	20.34	13.54	0.0226
78	15	10	653000	3795	DFT-s-OFDM 64 QAM	1@50	20.34	13.54	0.0226
78	15	10	653000	3795	DFT-s-OFDM 256 QAM	25@12	18.08	11.28	0.0134
78	15	10	653000	3795	DFT-s-OFDM 256 QAM	1@1	18.29	11.49	0.0141
78	15	10	653000	3795	DFT-s-OFDM 256 QAM	1@50	18.41	11.61	0.0145
78	15	10	653000	3795	CP-OFDM QPSK	26@13	21.15	14.35	0.0272
78	15	10	653000	3795	CP-OFDM QPSK	1@1	21.05	14.25	0.0266
78	15	10	653000	3795	CP-OFDM QPSK	1@50	21.16	14.36	0.0273
78	15	15	647167	3707.505	DFT-s-OFDM PI/2 BPSK	36@18	22.54	15.74	0.0375
78	15	15	647167	3707.505	DFT-s-OFDM PI/2 BPSK	1@1	22.47	15.67	0.0369
78	15	15	647167	3707.505	DFT-s-OFDM PI/2 BPSK	1@77	22.39	15.59	0.0362
78	15	15	647167	3707.505	DFT-s-OFDM QPSK	36@18	22.54	15.74	0.0375
78	15	15	647167	3707.505	DFT-s-OFDM QPSK	1@1	22.48	15.68	0.0370
78	15	15	647167	3707.505	DFT-s-OFDM QPSK	1@77	22.42	15.62	0.0365
78	15	15	647167	3707.505	DFT-s-OFDM 16 QAM	36@18	21.52	14.72	0.0296
78	15	15	647167	3707.505	DFT-s-OFDM 16 QAM	1@1	21.63	14.83	0.0304
78	15	15	647167	3707.505	DFT-s-OFDM 16 QAM	1@77	21.55	14.75	0.0299
78	15	15	647167	3707.505	DFT-s-OFDM 64 QAM	36@18	20.07	13.27	0.0212
78	15	15	647167	3707.505	DFT-s-OFDM 64 QAM	1@1	20.05	13.25	0.0211
78	15	15	647167	3707.505	DFT-s-OFDM 64 QAM	1@77	20.01	13.21	0.0209
78	15	15	647167	3707.505	DFT-s-OFDM 256 QAM	36@18	17.98	11.18	0.0131

78	15	15	647167	3707.505	DFT-s-OFDM 256 QAM	1@1	18.05	11.25	0.0133
78	15	15	647167	3707.505	DFT-s-OFDM 256 QAM	1@77	18.08	11.28	0.0134
78	15	15	647167	3707.505	CP-OFDM QPSK	39@19	20.98	14.18	0.0262
78	15	15	647167	3707.505	CP-OFDM QPSK	1@1	20.95	14.15	0.0260
78	15	15	647167	3707.505	CP-OFDM QPSK	1@77	20.87	14.07	0.0255
78	15	15	650000	3750	DFT-s-OFDM PI/2 BPSK	36@18	22.38	15.58	0.0361
78	15	15	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	22.28	15.48	0.0353
78	15	15	650000	3750	DFT-s-OFDM PI/2 BPSK	1@77	22.3	15.5	0.0355
78	15	15	650000	3750	DFT-s-OFDM QPSK	36@18	22.35	15.55	0.0359
78	15	15	650000	3750	DFT-s-OFDM QPSK	1@1	22.29	15.49	0.0354
78	15	15	650000	3750	DFT-s-OFDM QPSK	1@77	22.35	15.55	0.0359
78	15	15	650000	3750	DFT-s-OFDM 16 QAM	36@18	21.32	14.52	0.0283
78	15	15	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.41	14.61	0.0289
78	15	15	650000	3750	DFT-s-OFDM 16 QAM	1@77	21.45	14.65	0.0292
78	15	15	650000	3750	DFT-s-OFDM 64 QAM	36@18	19.83	13.03	0.0201
78	15	15	650000	3750	DFT-s-OFDM 64 QAM	1@1	19.82	13.02	0.0200
78	15	15	650000	3750	DFT-s-OFDM 64 QAM	1@77	19.99	13.19	0.0208
78	15	15	650000	3750	DFT-s-OFDM 256 QAM	36@18	17.83	11.03	0.0127
78	15	15	650000	3750	DFT-s-OFDM 256 QAM	1@1	17.89	11.09	0.0129
78	15	15	650000	3750	DFT-s-OFDM 256 QAM	1@77	17.96	11.16	0.0131
78	15	15	650000	3750	CP-OFDM QPSK	39@19	20.84	14.04	0.0254
78	15	15	650000	3750	CP-OFDM QPSK	1@1	20.68	13.88	0.0244
78	15	15	650000	3750	CP-OFDM QPSK	1@77	20.82	14.02	0.0252
78	15	15	652833	3792.495	DFT-s-OFDM PI/2 BPSK	36@18	22.62	15.82	0.0382

78	15	15	652833	3792.495	DFT-s-OFDM PI/2 BPSK	1@1	22.51	15.71	0.0372
78	15	15	652833	3792.495	DFT-s-OFDM PI/2 BPSK	1@77	22.57	15.77	0.0378
78	15	15	652833	3792.495	DFT-s-OFDM QPSK	36@18	22.65	15.85	0.0385
78	15	15	652833	3792.495	DFT-s-OFDM QPSK	1@1	22.53	15.73	0.0374
78	15	15	652833	3792.495	DFT-s-OFDM QPSK	1@77	22.7	15.9	0.0389
78	15	15	652833	3792.495	DFT-s-OFDM 16 QAM	36@18	21.61	14.81	0.0303
78	15	15	652833	3792.495	DFT-s-OFDM 16 QAM	1@1	21.64	14.84	0.0305
78	15	15	652833	3792.495	DFT-s-OFDM 16 QAM	1@77	21.8	15	0.0316
78	15	15	652833	3792.495	DFT-s-OFDM 64 QAM	36@18	20.16	13.36	0.0217
78	15	15	652833	3792.495	DFT-s-OFDM 64 QAM	1@1	20.11	13.31	0.0214
78	15	15	652833	3792.495	DFT-s-OFDM 64 QAM	1@77	20.23	13.43	0.0220
78	15	15	652833	3792.495	DFT-s-OFDM 256 QAM	36@18	18.12	11.32	0.0136
78	15	15	652833	3792.495	DFT-s-OFDM 256 QAM	1@1	18.22	11.42	0.0139
78	15	15	652833	3792.495	DFT-s-OFDM 256 QAM	1@77	18.26	11.46	0.0140
78	15	15	652833	3792.495	CP-OFDM QPSK	39@19	21.07	14.27	0.0267
78	15	15	652833	3792.495	CP-OFDM QPSK	1@1	21.02	14.22	0.0264
78	15	15	652833	3792.495	CP-OFDM QPSK	1@77	21.12	14.32	0.0270
78	15	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	50@25	22.51	15.71	0.0372
78	15	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@1	22.47	15.67	0.0369
78	15	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@104	22.39	15.59	0.0362
78	15	20	647334	3710.01	DFT-s-OFDM QPSK	50@25	22.55	15.75	0.0376
78	15	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	22.5	15.7	0.0372
78	15	20	647334	3710.01	DFT-s-OFDM QPSK	1@104	22.42	15.62	0.0365

78	15	20	647334	3710.01	DFT-s-OFDM 16 QAM	50@25	21.45	14.65	0.0292
78	15	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	21.68	14.88	0.0308
78	15	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@104	21.65	14.85	0.0305
78	15	20	647334	3710.01	DFT-s-OFDM 64 QAM	50@25	19.95	13.15	0.0207
78	15	20	647334	3710.01	DFT-s-OFDM 64 QAM	1@1	20.19	13.39	0.0218
78	15	20	647334	3710.01	DFT-s-OFDM 64 QAM	1@104	20.16	13.36	0.0217
78	15	20	647334	3710.01	DFT-s-OFDM 256 QAM	50@25	17.93	11.13	0.0130
78	15	20	647334	3710.01	DFT-s-OFDM 256 QAM	1@1	18.14	11.34	0.0136
78	15	20	647334	3710.01	DFT-s-OFDM 256 QAM	1@104	18.11	11.31	0.0135
78	15	20	647334	3710.01	CP-OFDM QPSK	53@26	21.04	14.24	0.0265
78	15	20	647334	3710.01	CP-OFDM QPSK	1@1	21.04	14.24	0.0265
78	15	20	647334	3710.01	CP-OFDM QPSK	1@104	20.88	14.08	0.0256
78	15	20	650000	3750	DFT-s-OFDM PI/2 BPSK	50@25	22.54	15.74	0.0375
78	15	20	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	22.34	15.54	0.0358
78	15	20	650000	3750	DFT-s-OFDM PI/2 BPSK	1@104	22.4	15.6	0.0363
78	15	20	650000	3750	DFT-s-OFDM QPSK	50@25	22.39	15.59	0.0362
78	15	20	650000	3750	DFT-s-OFDM QPSK	1@1	22.33	15.53	0.0357
78	15	20	650000	3750	DFT-s-OFDM QPSK	1@104	22.39	15.59	0.0362
78	15	20	650000	3750	DFT-s-OFDM 16 QAM	50@25	21.35	14.55	0.0285
78	15	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.51	14.71	0.0296
78	15	20	650000	3750	DFT-s-OFDM 16 QAM	1@104	21.57	14.77	0.0300
78	15	20	650000	3750	DFT-s-OFDM 64 QAM	50@25	19.78	12.98	0.0199
78	15	20	650000	3750	DFT-s-OFDM 64 QAM	1@1	19.86	13.06	0.0202

78	15	20	650000	3750	DFT-s-OFDM 64 QAM	1@104	20.04	13.24	0.0211
78	15	20	650000	3750	DFT-s-OFDM 256 QAM	50@25	17.79	10.99	0.0126
78	15	20	650000	3750	DFT-s-OFDM 256 QAM	1@1	18.07	11.27	0.0134
78	15	20	650000	3750	DFT-s-OFDM 256 QAM	1@104	18.07	11.27	0.0134
78	15	20	650000	3750	CP-OFDM QPSK	53@26	20.83	14.03	0.0253
78	15	20	650000	3750	CP-OFDM QPSK	1@1	20.85	14.05	0.0254
78	15	20	650000	3750	CP-OFDM QPSK	1@104	20.87	14.07	0.0255
78	15	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	50@25	22.38	15.58	0.0361
78	15	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	1@1	22.56	15.76	0.0377
78	15	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	1@104	22.72	15.92	0.0391
78	15	20	652666	3789.99	DFT-s-OFDM QPSK	50@25	22.67	15.87	0.0386
78	15	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	22.59	15.79	0.0379
78	15	20	652666	3789.99	DFT-s-OFDM QPSK	1@104	22.73	15.93	0.0392
78	15	20	652666	3789.99	DFT-s-OFDM 16 QAM	50@25	21.62	14.82	0.0303
78	15	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	21.79	14.99	0.0316
78	15	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@104	21.93	15.13	0.0326
78	15	20	652666	3789.99	DFT-s-OFDM 64 QAM	50@25	20.07	13.27	0.0212
78	15	20	652666	3789.99	DFT-s-OFDM 64 QAM	1@1	20.26	13.46	0.0222
78	15	20	652666	3789.99	DFT-s-OFDM 64 QAM	1@104	20.32	13.52	0.0225
78	15	20	652666	3789.99	DFT-s-OFDM 256 QAM	50@25	18.08	11.28	0.0134
78	15	20	652666	3789.99	DFT-s-OFDM 256 QAM	1@1	18.27	11.47	0.0140
78	15	20	652666	3789.99	DFT-s-OFDM 256 QAM	1@104	18.48	11.68	0.0147
78	15	20	652666	3789.99	CP-OFDM QPSK	53@26	21.13	14.33	0.0271
78	15	20	652666	3789.99	CP-OFDM QPSK	1@1	21.07	14.27	0.0267

78	15	20	652666	3789.99	CP-OFDM QPSK	1@104	21.2	14.4	0.0275
78	15	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	64@32	22.45	15.65	0.0367
78	15	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	1@1	22.52	15.72	0.0373
78	15	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	1@131	22.4	15.6	0.0363
78	15	25	647500	3712.5	DFT-s-OFDM QPSK	64@32	22.46	15.66	0.0368
78	15	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	22.47	15.67	0.0369
78	15	25	647500	3712.5	DFT-s-OFDM QPSK	1@131	22.45	15.65	0.0367
78	15	25	647500	3712.5	DFT-s-OFDM 16 QAM	64@32	21.44	14.64	0.0291
78	15	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	21.7	14.9	0.0309
78	15	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@131	21.74	14.94	0.0312
78	15	25	647500	3712.5	DFT-s-OFDM 64 QAM	64@32	19.89	13.09	0.0204
78	15	25	647500	3712.5	DFT-s-OFDM 64 QAM	1@1	20.07	13.27	0.0212
78	15	25	647500	3712.5	DFT-s-OFDM 64 QAM	1@131	20.16	13.36	0.0217
78	15	25	647500	3712.5	DFT-s-OFDM 256 QAM	64@32	17.94	11.14	0.0130
78	15	25	647500	3712.5	DFT-s-OFDM 256 QAM	1@1	18.24	11.44	0.0139
78	15	25	647500	3712.5	DFT-s-OFDM 256 QAM	1@131	18.3	11.5	0.0141
78	15	25	647500	3712.5	CP-OFDM QPSK	67@33	20.98	14.18	0.0262
78	15	25	647500	3712.5	CP-OFDM QPSK	1@1	21.13	14.33	0.0271
78	15	25	647500	3712.5	CP-OFDM QPSK	1@131	21.11	14.31	0.0270
78	15	25	650000	3750	DFT-s-OFDM PI/2 BPSK	64@32	22.47	15.67	0.0369
78	15	25	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	22.48	15.68	0.0370
78	15	25	650000	3750	DFT-s-OFDM PI/2 BPSK	1@131	22.5	15.7	0.0372
78	15	25	650000	3750	DFT-s-OFDM QPSK	64@32	22.4	15.6	0.0363

78	15	25	650000	3750	DFT-s-OFDM QPSK	1@1	22.46	15.66	0.0368
78	15	25	650000	3750	DFT-s-OFDM QPSK	1@131	22.47	15.67	0.0369
78	15	25	650000	3750	DFT-s-OFDM 16 QAM	64@32	21.38	14.58	0.0287
78	15	25	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.62	14.82	0.0303
78	15	25	650000	3750	DFT-s-OFDM 16 QAM	1@131	21.79	14.99	0.0316
78	15	25	650000	3750	DFT-s-OFDM 64 QAM	64@32	19.83	13.03	0.0201
78	15	25	650000	3750	DFT-s-OFDM 64 QAM	1@1	20.25	13.45	0.0221
78	15	25	650000	3750	DFT-s-OFDM 64 QAM	1@131	20.28	13.48	0.0223
78	15	25	650000	3750	DFT-s-OFDM 256 QAM	64@32	17.85	11.05	0.0127
78	15	25	650000	3750	DFT-s-OFDM 256 QAM	1@1	18.18	11.38	0.0137
78	15	25	650000	3750	DFT-s-OFDM 256 QAM	1@131	18.33	11.53	0.0142
78	15	25	650000	3750	CP-OFDM QPSK	67@33	20.87	14.07	0.0255
78	15	25	650000	3750	CP-OFDM QPSK	1@1	20.83	14.03	0.0253
78	15	25	650000	3750	CP-OFDM QPSK	1@131	21.22	14.42	0.0277
78	15	25	652500	3787.5	DFT-s-OFDM PI/2 BPSK	64@32	22.56	15.76	0.0377
78	15	25	652500	3787.5	DFT-s-OFDM PI/2 BPSK	1@1	22.51	15.71	0.0372
78	15	25	652500	3787.5	DFT-s-OFDM PI/2 BPSK	1@131	22.54	15.74	0.0375
78	15	25	652500	3787.5	DFT-s-OFDM QPSK	64@32	22.55	15.75	0.0376
78	15	25	652500	3787.5	DFT-s-OFDM QPSK	1@1	22.64	15.84	0.0384
78	15	25	652500	3787.5	DFT-s-OFDM QPSK	1@131	22.74	15.94	0.0393
78	15	25	652500	3787.5	DFT-s-OFDM 16 QAM	64@32	21.53	14.73	0.0297
78	15	25	652500	3787.5	DFT-s-OFDM 16 QAM	1@1	21.94	15.14	0.0327

78	15	25	652500	3787.5	DFT-s-OFDM 16 QAM	1@131	21.97	15.17	0.0329
78	15	25	652500	3787.5	DFT-s-OFDM 64 QAM	64@32	20.02	13.22	0.0210
78	15	25	652500	3787.5	DFT-s-OFDM 64 QAM	1@1	20.23	13.43	0.0220
78	15	25	652500	3787.5	DFT-s-OFDM 64 QAM	1@131	20.44	13.64	0.0231
78	15	25	652500	3787.5	DFT-s-OFDM 256 QAM	64@32	18.02	11.22	0.0132
78	15	25	652500	3787.5	DFT-s-OFDM 256 QAM	1@1	18.67	11.87	0.0154
78	15	25	652500	3787.5	DFT-s-OFDM 256 QAM	1@131	18.56	11.76	0.0150
78	15	25	652500	3787.5	CP-OFDM QPSK	67@33	21.07	14.27	0.0267
78	15	25	652500	3787.5	CP-OFDM QPSK	1@1	21.11	14.31	0.0270
78	15	25	652500	3787.5	CP-OFDM QPSK	1@131	21.37	14.57	0.0286
78	15	30	647667	3715.005	DFT-s-OFDM PI/2 BPSK	80@40	22.61	15.81	0.0381
78	15	30	647667	3715.005	DFT-s-OFDM PI/2 BPSK	1@1	22.48	15.68	0.0370
78	15	30	647667	3715.005	DFT-s-OFDM PI/2 BPSK	1@158	22.45	15.65	0.0367
78	15	30	647667	3715.005	DFT-s-OFDM QPSK	80@40	22.6	15.8	0.0380
78	15	30	647667	3715.005	DFT-s-OFDM QPSK	1@1	22.52	15.72	0.0373
78	15	30	647667	3715.005	DFT-s-OFDM QPSK	1@158	22.51	15.71	0.0372
78	15	30	647667	3715.005	DFT-s-OFDM 16 QAM	80@40	21.56	14.76	0.0299
78	15	30	647667	3715.005	DFT-s-OFDM 16 QAM	1@1	21.67	14.87	0.0307
78	15	30	647667	3715.005	DFT-s-OFDM 16 QAM	1@158	21.66	14.86	0.0306
78	15	30	647667	3715.005	DFT-s-OFDM 64 QAM	80@40	20.05	13.25	0.0211
78	15	30	647667	3715.005	DFT-s-OFDM 64 QAM	1@1	20.13	13.33	0.0215
78	15	30	647667	3715.005	DFT-s-OFDM 64 QAM	1@158	20.17	13.37	0.0217
78	15	30	647667	3715.005	DFT-s-OFDM 256 QAM	80@40	18.04	11.24	0.0133

78	15	30	647667	3715.005	DFT-s-OFDM 256 QAM	1@1	18.07	11.27	0.0134
78	15	30	647667	3715.005	DFT-s-OFDM 256 QAM	1@158	18.12	11.32	0.0136
78	15	30	647667	3715.005	CP-OFDM QPSK	80@40	21.05	14.25	0.0266
78	15	30	647667	3715.005	CP-OFDM QPSK	1@1	21.02	14.22	0.0264
78	15	30	647667	3715.005	CP-OFDM QPSK	1@158	21.07	14.27	0.0267
78	15	30	650000	3750	DFT-s-OFDM PI/2 BPSK	80@40	22.46	15.66	0.0368
78	15	30	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	22.43	15.63	0.0366
78	15	30	650000	3750	DFT-s-OFDM PI/2 BPSK	1@158	22.48	15.68	0.0370
78	15	30	650000	3750	DFT-s-OFDM QPSK	80@40	22.48	15.68	0.0370
78	15	30	650000	3750	DFT-s-OFDM QPSK	1@1	22.42	15.62	0.0365
78	15	30	650000	3750	DFT-s-OFDM QPSK	1@158	22.51	15.71	0.0372
78	15	30	650000	3750	DFT-s-OFDM 16 QAM	80@40	21.46	14.66	0.0292
78	15	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.55	14.75	0.0299
78	15	30	650000	3750	DFT-s-OFDM 16 QAM	1@158	21.61	14.81	0.0303
78	15	30	650000	3750	DFT-s-OFDM 64 QAM	80@40	19.94	13.14	0.0206
78	15	30	650000	3750	DFT-s-OFDM 64 QAM	1@1	20.05	13.25	0.0211
78	15	30	650000	3750	DFT-s-OFDM 64 QAM	1@158	20.13	13.33	0.0215
78	15	30	650000	3750	DFT-s-OFDM 256 QAM	80@40	17.91	11.11	0.0129
78	15	30	650000	3750	DFT-s-OFDM 256 QAM	1@1	18.07	11.27	0.0134
78	15	30	650000	3750	DFT-s-OFDM 256 QAM	1@158	18.17	11.37	0.0137
78	15	30	650000	3750	CP-OFDM QPSK	80@40	20.9	14.1	0.0257
78	15	30	650000	3750	CP-OFDM QPSK	1@1	20.86	14.06	0.0255
78	15	30	650000	3750	CP-OFDM QPSK	1@158	21.04	14.24	0.0265
78	15	30	652333	3784.995	DFT-s-OFDM PI/2 BPSK	80@40	22.59	15.79	0.0379

78	15	30	652333	3784.995	DFT-s-OFDM PI/2 BPSK	1@1	22.47	15.67	0.0369
78	15	30	652333	3784.995	DFT-s-OFDM PI/2 BPSK	1@158	22.63	15.83	0.0383
78	15	30	652333	3784.995	DFT-s-OFDM QPSK	80@40	22.59	15.79	0.0379
78	15	30	652333	3784.995	DFT-s-OFDM QPSK	1@1	22.5	15.7	0.0372
78	15	30	652333	3784.995	DFT-s-OFDM QPSK	1@158	22.64	15.84	0.0384
78	15	30	652333	3784.995	DFT-s-OFDM 16 QAM	80@40	21.61	14.81	0.0303
78	15	30	652333	3784.995	DFT-s-OFDM 16 QAM	1@1	21.59	14.79	0.0301
78	15	30	652333	3784.995	DFT-s-OFDM 16 QAM	1@158	21.72	14.92	0.0310
78	15	30	652333	3784.995	DFT-s-OFDM 64 QAM	80@40	20.06	13.26	0.0212
78	15	30	652333	3784.995	DFT-s-OFDM 64 QAM	1@1	20.17	13.37	0.0217
78	15	30	652333	3784.995	DFT-s-OFDM 64 QAM	1@158	20.29	13.49	0.0223
78	15	30	652333	3784.995	DFT-s-OFDM 256 QAM	80@40	18.03	11.23	0.0133
78	15	30	652333	3784.995	DFT-s-OFDM 256 QAM	1@1	18.12	11.32	0.0136
78	15	30	652333	3784.995	DFT-s-OFDM 256 QAM	1@158	18.27	11.47	0.0140
78	15	30	652333	3784.995	CP-OFDM QPSK	80@40	21.04	14.24	0.0265
78	15	30	652333	3784.995	CP-OFDM QPSK	1@1	20.92	14.12	0.0258
78	15	30	652333	3784.995	CP-OFDM QPSK	1@158	21.25	14.45	0.0279
78	15	40	648000	3720	DFT-s-OFDM PI/2 BPSK	108@54	22.57	15.77	0.0378
78	15	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@1	22.47	15.67	0.0369
78	15	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@214	22.43	15.63	0.0366
78	15	40	648000	3720	DFT-s-OFDM QPSK	108@54	22.54	15.74	0.0375
78	15	40	648000	3720	DFT-s-OFDM QPSK	1@1	22.54	15.74	0.0375
78	15	40	648000	3720	DFT-s-OFDM QPSK	1@214	22.48	15.68	0.0370

78	15	40	648000	3720	DFT-s-OFDM 16 QAM	108@54	21.54	14.74	0.0298
78	15	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	21.73	14.93	0.0311
78	15	40	648000	3720	DFT-s-OFDM 16 QAM	1@214	21.61	14.81	0.0303
78	15	40	648000	3720	DFT-s-OFDM 64 QAM	108@54	20.06	13.26	0.0212
78	15	40	648000	3720	DFT-s-OFDM 64 QAM	1@1	20.19	13.39	0.0218
78	15	40	648000	3720	DFT-s-OFDM 64 QAM	1@214	20.13	13.33	0.0215
78	15	40	648000	3720	DFT-s-OFDM 256 QAM	108@54	18.04	11.24	0.0133
78	15	40	648000	3720	DFT-s-OFDM 256 QAM	1@1	18.15	11.35	0.0136
78	15	40	648000	3720	DFT-s-OFDM 256 QAM	1@214	18.08	11.28	0.0134
78	15	40	648000	3720	CP-OFDM QPSK	108@54	21.01	14.21	0.0264
78	15	40	648000	3720	CP-OFDM QPSK	1@1	20.93	14.13	0.0259
78	15	40	648000	3720	CP-OFDM QPSK	1@214	20.92	14.12	0.0258
78	15	40	650000	3750	DFT-s-OFDM PI/2 BPSK	108@54	22.45	15.65	0.0367
78	15	40	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	22.41	15.61	0.0364
78	15	40	650000	3750	DFT-s-OFDM PI/2 BPSK	1@214	22.51	15.71	0.0372
78	15	40	650000	3750	DFT-s-OFDM QPSK	108@54	22.47	15.67	0.0369
78	15	40	650000	3750	DFT-s-OFDM QPSK	1@1	22.46	15.66	0.0368
78	15	40	650000	3750	DFT-s-OFDM QPSK	1@214	22.5	15.7	0.0372
78	15	40	650000	3750	DFT-s-OFDM 16 QAM	108@54	21.48	14.68	0.0294
78	15	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.61	14.81	0.0303
78	15	40	650000	3750	DFT-s-OFDM 16 QAM	1@214	21.71	14.91	0.0310
78	15	40	650000	3750	DFT-s-OFDM 64 QAM	108@54	19.96	13.16	0.0207
78	15	40	650000	3750	DFT-s-OFDM 64 QAM	1@1	20.15	13.35	0.0216

78	15	40	650000	3750	DFT-s-OFDM 64 QAM	1@214	20.27	13.47	0.0222
78	15	40	650000	3750	DFT-s-OFDM 256 QAM	108@54	17.95	11.15	0.0130
78	15	40	650000	3750	DFT-s-OFDM 256 QAM	1@1	18.02	11.22	0.0132
78	15	40	650000	3750	DFT-s-OFDM 256 QAM	1@214	18.19	11.39	0.0138
78	15	40	650000	3750	CP-OFDM QPSK	108@54	20.92	14.12	0.0258
78	15	40	650000	3750	CP-OFDM QPSK	1@1	20.9	14.1	0.0257
78	15	40	650000	3750	CP-OFDM QPSK	1@214	20.97	14.17	0.0261
78	15	40	652000	3780	DFT-s-OFDM PI/2 BPSK	108@54	22.61	15.81	0.0381
78	15	40	652000	3780	DFT-s-OFDM PI/2 BPSK	1@1	22.48	15.68	0.0370
78	15	40	652000	3780	DFT-s-OFDM PI/2 BPSK	1@214	22.67	15.87	0.0386
78	15	40	652000	3780	DFT-s-OFDM QPSK	108@54	22.59	15.79	0.0379
78	15	40	652000	3780	DFT-s-OFDM QPSK	1@1	22.46	15.66	0.0368
78	15	40	652000	3780	DFT-s-OFDM QPSK	1@214	22.68	15.88	0.0387
78	15	40	652000	3780	DFT-s-OFDM 16 QAM	108@54	21.65	14.85	0.0305
78	15	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	21.63	14.83	0.0304
78	15	40	652000	3780	DFT-s-OFDM 16 QAM	1@214	21.87	15.07	0.0321
78	15	40	652000	3780	DFT-s-OFDM 64 QAM	108@54	20.11	13.31	0.0214
78	15	40	652000	3780	DFT-s-OFDM 64 QAM	1@1	20.16	13.36	0.0217
78	15	40	652000	3780	DFT-s-OFDM 64 QAM	1@214	20.37	13.57	0.0228
78	15	40	652000	3780	DFT-s-OFDM 256 QAM	108@54	18.12	11.32	0.0136
78	15	40	652000	3780	DFT-s-OFDM 256 QAM	1@1	18.14	11.34	0.0136
78	15	40	652000	3780	DFT-s-OFDM 256 QAM	1@214	18.3	11.5	0.0141
78	15	40	652000	3780	CP-OFDM QPSK	108@54	21.1	14.3	0.0269
78	15	40	652000	3780	CP-OFDM QPSK	1@1	20.87	14.07	0.0255

78	15	40	652000	3780	CP-OFDM QPSK	1@214	21.15	14.35	0.0272
78	15	50	648334	3725.01	DFT-s- OFDM PI/2 BPSK	135@67	22.57	15.77	0.0378
78	15	50	648334	3725.01	DFT-s- OFDM PI/2 BPSK	1@1	22.47	15.67	0.0369
78	15	50	648334	3725.01	DFT-s- OFDM PI/2 BPSK	1@268	22.47	15.67	0.0369
78	15	50	648334	3725.01	DFT-s- OFDM QPSK	135@67	22.54	15.74	0.0375
78	15	50	648334	3725.01	DFT-s- OFDM QPSK	1@1	22.53	15.73	0.0374
78	15	50	648334	3725.01	DFT-s- OFDM QPSK	1@268	22.47	15.67	0.0369
78	15	50	648334	3725.01	DFT-s- OFDM 16 QAM	135@67	21.52	14.72	0.0296
78	15	50	648334	3725.01	DFT-s- OFDM 16 QAM	1@1	21.62	14.82	0.0303
78	15	50	648334	3725.01	DFT-s- OFDM 16 QAM	1@268	21.6	14.8	0.0302
78	15	50	648334	3725.01	DFT-s- OFDM 64 QAM	135@67	19.99	13.19	0.0208
78	15	50	648334	3725.01	DFT-s- OFDM 64 QAM	1@1	20.11	13.31	0.0214
78	15	50	648334	3725.01	DFT-s- OFDM 64 QAM	1@268	20.05	13.25	0.0211
78	15	50	648334	3725.01	DFT-s- OFDM 256 QAM	135@67	18.01	11.21	0.0132
78	15	50	648334	3725.01	DFT-s- OFDM 256 QAM	1@1	18.1	11.3	0.0135
78	15	50	648334	3725.01	DFT-s- OFDM 256 QAM	1@268	18.11	11.31	0.0135
78	15	50	648334	3725.01	CP-OFDM QPSK	135@67	21.03	14.23	0.0265
78	15	50	648334	3725.01	CP-OFDM QPSK	1@1	20.95	14.15	0.0260
78	15	50	648334	3725.01	CP-OFDM QPSK	1@268	21.07	14.27	0.0267
78	15	50	650000	3750	DFT-s- OFDM PI/2 BPSK	135@67	22.48	15.68	0.0370
78	15	50	650000	3750	DFT-s- OFDM PI/2 BPSK	1@1	22.48	15.68	0.0370
78	15	50	650000	3750	DFT-s- OFDM PI/2 BPSK	1@268	22.58	15.78	0.0378
78	15	50	650000	3750	DFT-s- OFDM QPSK	135@67	22.49	15.69	0.0371

78	15	50	650000	3750	DFT-s-OFDM QPSK	1@1	22.5	15.7	0.0372
78	15	50	650000	3750	DFT-s-OFDM QPSK	1@268	22.59	15.79	0.0379
78	15	50	650000	3750	DFT-s-OFDM 16 QAM	135@67	21.48	14.68	0.0294
78	15	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.63	14.83	0.0304
78	15	50	650000	3750	DFT-s-OFDM 16 QAM	1@268	21.72	14.92	0.0310
78	15	50	650000	3750	DFT-s-OFDM 64 QAM	135@67	19.93	13.13	0.0206
78	15	50	650000	3750	DFT-s-OFDM 64 QAM	1@1	20.08	13.28	0.0213
78	15	50	650000	3750	DFT-s-OFDM 64 QAM	1@268	20.24	13.44	0.0221
78	15	50	650000	3750	DFT-s-OFDM 256 QAM	135@67	17.94	11.14	0.0130
78	15	50	650000	3750	DFT-s-OFDM 256 QAM	1@1	18.16	11.36	0.0137
78	15	50	650000	3750	DFT-s-OFDM 256 QAM	1@268	18.31	11.51	0.0142
78	15	50	650000	3750	CP-OFDM QPSK	135@67	20.95	14.15	0.0260
78	15	50	650000	3750	CP-OFDM QPSK	1@1	20.95	14.15	0.0260
78	15	50	650000	3750	CP-OFDM QPSK	1@268	21.15	14.35	0.0272
78	15	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	135@67	22.53	15.73	0.0374
78	15	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	1@1	22.41	15.61	0.0364
78	15	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	1@268	22.63	15.83	0.0383
78	15	50	651666	3774.99	DFT-s-OFDM QPSK	135@67	22.53	15.73	0.0374
78	15	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	22.43	15.63	0.0366
78	15	50	651666	3774.99	DFT-s-OFDM QPSK	1@268	22.66	15.86	0.0385
78	15	50	651666	3774.99	DFT-s-OFDM 16 QAM	135@67	21.52	14.72	0.0296
78	15	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	21.55	14.75	0.0299

78	15	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@268	21.84	15.04	0.0319
78	15	50	651666	3774.99	DFT-s-OFDM 64 QAM	135@67	19.98	13.18	0.0208
78	15	50	651666	3774.99	DFT-s-OFDM 64 QAM	1@1	20.03	13.23	0.0210
78	15	50	651666	3774.99	DFT-s-OFDM 64 QAM	1@268	20.32	13.52	0.0225
78	15	50	651666	3774.99	DFT-s-OFDM 256 QAM	135@67	18.04	11.24	0.0133
78	15	50	651666	3774.99	DFT-s-OFDM 256 QAM	1@1	18.06	11.26	0.0134
78	15	50	651666	3774.99	DFT-s-OFDM 256 QAM	1@268	18.35	11.55	0.0143
78	15	50	651666	3774.99	CP-OFDM QPSK	135@67	21.01	14.21	0.0264
78	15	50	651666	3774.99	CP-OFDM QPSK	1@1	20.84	14.04	0.0254
78	15	50	651666	3774.99	CP-OFDM QPSK	1@268	21.15	14.35	0.0272

FR1 N78 SCS 30kHz

Conducted Power and EIRP (ANT gain=-6.8dBi)

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	10	647000	3705	DFT-s-OFDM PI/2 BPSK	12@6	22.55	15.75	0.0376
78	30	10	647000	3705	DFT-s-OFDM PI/2 BPSK	1@1	22.44	15.64	0.0366
78	30	10	647000	3705	DFT-s-OFDM PI/2 BPSK	1@22	22.4	15.6	0.0363
78	30	10	647000	3705	DFT-s-OFDM QPSK	12@6	22.5	15.7	0.0372
78	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	22.4	15.6	0.0363
78	30	10	647000	3705	DFT-s-OFDM QPSK	1@22	22.41	15.61	0.0364
78	30	10	647000	3705	DFT-s-OFDM 16 QAM	12@6	21.49	14.69	0.0294
78	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	21.45	14.65	0.0292
78	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@22	21.41	14.61	0.0289
78	30	10	647000	3705	DFT-s-OFDM 64 QAM	12@6	19.99	13.19	0.0208
78	30	10	647000	3705	DFT-s-OFDM 64 QAM	1@1	19.79	12.99	0.0199
78	30	10	647000	3705	DFT-s-OFDM 64 QAM	1@22	19.77	12.97	0.0198
78	30	10	647000	3705	DFT-s-OFDM 256 QAM	12@6	17.98	11.18	0.0131
78	30	10	647000	3705	DFT-s-OFDM 256 QAM	1@1	18.01	11.21	0.0132
78	30	10	647000	3705	DFT-s-OFDM 256 QAM	1@22	17.99	11.19	0.0132
78	30	10	647000	3705	CP-OFDM QPSK	12@6	21.02	14.22	0.0264
78	30	10	647000	3705	CP-OFDM QPSK	1@1	20.81	14.01	0.0252
78	30	10	647000	3705	CP-OFDM QPSK	1@22	20.79	13.99	0.0251

78	30	10	650000	3750	DFT-s-OFDM PI/2 BPSK	12@6	22.51	15.71	0.0372
78	30	10	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	22.26	15.46	0.0352
78	30	10	650000	3750	DFT-s-OFDM PI/2 BPSK	1@22	22.25	15.45	0.0351
78	30	10	650000	3750	DFT-s-OFDM QPSK	12@6	22.35	15.55	0.0359
78	30	10	650000	3750	DFT-s-OFDM QPSK	1@1	22.23	15.43	0.0349
78	30	10	650000	3750	DFT-s-OFDM QPSK	1@22	22.27	15.47	0.0352
78	30	10	650000	3750	DFT-s-OFDM 16 QAM	12@6	21.32	14.52	0.0283
78	30	10	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.2	14.4	0.0275
78	30	10	650000	3750	DFT-s-OFDM 16 QAM	1@22	21.22	14.42	0.0277
78	30	10	650000	3750	DFT-s-OFDM 64 QAM	12@6	19.85	13.05	0.0202
78	30	10	650000	3750	DFT-s-OFDM 64 QAM	1@1	19.78	12.98	0.0199
78	30	10	650000	3750	DFT-s-OFDM 64 QAM	1@22	19.58	12.78	0.0190
78	30	10	650000	3750	DFT-s-OFDM 256 QAM	12@6	17.83	11.03	0.0127
78	30	10	650000	3750	DFT-s-OFDM 256 QAM	1@1	17.45	10.65	0.0116
78	30	10	650000	3750	DFT-s-OFDM 256 QAM	1@22	17.63	10.83	0.0121
78	30	10	650000	3750	CP-OFDM QPSK	12@6	20.8	14	0.0251
78	30	10	650000	3750	CP-OFDM QPSK	1@1	20.67	13.87	0.0244
78	30	10	650000	3750	CP-OFDM QPSK	1@22	20.68	13.88	0.0244
78	30	10	653000	3795	DFT-s-OFDM PI/2 BPSK	12@6	22.32	15.52	0.0356
78	30	10	653000	3795	DFT-s-OFDM PI/2 BPSK	1@1	22.53	15.73	0.0374
78	30	10	653000	3795	DFT-s-OFDM PI/2 BPSK	1@22	22.58	15.78	0.0378

78	30	10	653000	3795	DFT-s-OFDM QPSK	12@6	22.69	15.89	0.0388
78	30	10	653000	3795	DFT-s-OFDM QPSK	1@1	22.48	15.68	0.0370
78	30	10	653000	3795	DFT-s-OFDM QPSK	1@22	22.34	15.54	0.0358
78	30	10	653000	3795	DFT-s-OFDM 16 QAM	12@6	21.71	14.91	0.0310
78	30	10	653000	3795	DFT-s-OFDM 16 QAM	1@1	21.48	14.68	0.0294
78	30	10	653000	3795	DFT-s-OFDM 16 QAM	1@22	21.54	14.74	0.0298
78	30	10	653000	3795	DFT-s-OFDM 64 QAM	12@6	20.09	13.29	0.0213
78	30	10	653000	3795	DFT-s-OFDM 64 QAM	1@1	19.93	13.13	0.0206
78	30	10	653000	3795	DFT-s-OFDM 64 QAM	1@22	20.03	13.23	0.0210
78	30	10	653000	3795	DFT-s-OFDM 256 QAM	12@6	18.18	11.38	0.0137
78	30	10	653000	3795	DFT-s-OFDM 256 QAM	1@1	17.96	11.16	0.0131
78	30	10	653000	3795	DFT-s-OFDM 256 QAM	1@22	18.09	11.29	0.0135
78	30	10	653000	3795	CP-OFDM QPSK	12@6	21.12	14.32	0.0270
78	30	10	653000	3795	CP-OFDM QPSK	1@1	21.01	14.21	0.0264
78	30	10	653000	3795	CP-OFDM QPSK	1@22	21.07	14.27	0.0267
78	30	15	647168	3707.52	DFT-s-OFDM PI/2 BPSK	18@9	22.61	15.81	0.0381
78	30	15	647168	3707.52	DFT-s-OFDM PI/2 BPSK	1@1	22.48	15.68	0.0370
78	30	15	647168	3707.52	DFT-s-OFDM PI/2 BPSK	1@36	22.39	15.59	0.0362
78	30	15	647168	3707.52	DFT-s-OFDM QPSK	18@9	22.53	15.73	0.0374
78	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	22.44	15.64	0.0366
78	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@36	22.39	15.59	0.0362

78	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	18@9	21.41	14.61	0.0289
78	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	21.38	14.58	0.0287
78	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@36	21.35	14.55	0.0285
78	30	15	647168	3707.52	DFT-s-OFDM 64 QAM	18@9	20.09	13.29	0.0213
78	30	15	647168	3707.52	DFT-s-OFDM 64 QAM	1@1	19.95	13.15	0.0207
78	30	15	647168	3707.52	DFT-s-OFDM 64 QAM	1@36	20.02	13.22	0.0210
78	30	15	647168	3707.52	DFT-s-OFDM 256 QAM	18@9	18.03	11.23	0.0133
78	30	15	647168	3707.52	DFT-s-OFDM 256 QAM	1@1	17.85	11.05	0.0127
78	30	15	647168	3707.52	DFT-s-OFDM 256 QAM	1@36	17.81	11.01	0.0126
78	30	15	647168	3707.52	CP-OFDM QPSK	19@9	21.05	14.25	0.0266
78	30	15	647168	3707.52	CP-OFDM QPSK	1@1	20.84	14.04	0.0254
78	30	15	647168	3707.52	CP-OFDM QPSK	1@36	20.8	14	0.0251
78	30	15	650000	3750	DFT-s-OFDM PI/2 BPSK	18@9	22.36	15.56	0.0360
78	30	15	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	22.28	15.48	0.0353
78	30	15	650000	3750	DFT-s-OFDM PI/2 BPSK	1@36	22.33	15.53	0.0357
78	30	15	650000	3750	DFT-s-OFDM QPSK	18@9	22.38	15.58	0.0361
78	30	15	650000	3750	DFT-s-OFDM QPSK	1@1	22.21	15.41	0.0348
78	30	15	650000	3750	DFT-s-OFDM QPSK	1@36	22.26	15.46	0.0352
78	30	15	650000	3750	DFT-s-OFDM 16 QAM	18@9	21.25	14.45	0.0279
78	30	15	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.17	14.37	0.0274
78	30	15	650000	3750	DFT-s-OFDM 16 QAM	1@36	21.22	14.42	0.0277

78	30	15	650000	3750	DFT-s-OFDM 64 QAM	18@9	19.93	13.13	0.0206
78	30	15	650000	3750	DFT-s-OFDM 64 QAM	1@1	19.82	13.02	0.0200
78	30	15	650000	3750	DFT-s-OFDM 64 QAM	1@36	19.79	12.99	0.0199
78	30	15	650000	3750	DFT-s-OFDM 256 QAM	18@9	17.8	11	0.0126
78	30	15	650000	3750	DFT-s-OFDM 256 QAM	1@1	17.62	10.82	0.0121
78	30	15	650000	3750	DFT-s-OFDM 256 QAM	1@36	17.69	10.89	0.0123
78	30	15	650000	3750	CP-OFDM QPSK	19@9	20.81	14.01	0.0252
78	30	15	650000	3750	CP-OFDM QPSK	1@1	20.7	13.9	0.0245
78	30	15	650000	3750	CP-OFDM QPSK	1@36	20.7	13.9	0.0245
78	30	15	652832	3792.48	DFT-s-OFDM PI/2 BPSK	18@9	22.61	15.81	0.0381
78	30	15	652832	3792.48	DFT-s-OFDM PI/2 BPSK	1@1	22.52	15.72	0.0373
78	30	15	652832	3792.48	DFT-s-OFDM PI/2 BPSK	1@36	22.65	15.85	0.0385
78	30	15	652832	3792.48	DFT-s-OFDM QPSK	18@9	22.6	15.8	0.0380
78	30	15	652832	3792.48	DFT-s-OFDM QPSK	1@1	22.46	15.66	0.0368
78	30	15	652832	3792.48	DFT-s-OFDM QPSK	1@36	22.6	15.8	0.0380
78	30	15	652832	3792.48	DFT-s-OFDM 16 QAM	18@9	21.54	14.74	0.0298
78	30	15	652832	3792.48	DFT-s-OFDM 16 QAM	1@1	21.19	14.39	0.0275
78	30	15	652832	3792.48	DFT-s-OFDM 16 QAM	1@36	21.52	14.72	0.0296
78	30	15	652832	3792.48	DFT-s-OFDM 64 QAM	18@9	20.18	13.38	0.0218
78	30	15	652832	3792.48	DFT-s-OFDM 64 QAM	1@1	19.86	13.06	0.0202
78	30	15	652832	3792.48	DFT-s-OFDM 64 QAM	1@36	20.03	13.23	0.0210

78	30	15	652832	3792.48	DFT-s-OFDM 256 QAM	18@9	18.07	11.27	0.0134
78	30	15	652832	3792.48	DFT-s-OFDM 256 QAM	1@1	17.91	11.11	0.0129
78	30	15	652832	3792.48	DFT-s-OFDM 256 QAM	1@36	18.03	11.23	0.0133
78	30	15	652832	3792.48	CP-OFDM QPSK	19@9	21.12	14.32	0.0270
78	30	15	652832	3792.48	CP-OFDM QPSK	1@1	21.02	14.22	0.0264
78	30	15	652832	3792.48	CP-OFDM QPSK	1@36	21.11	14.31	0.0270
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	25@12	22.58	15.78	0.0378
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@1	22.48	15.68	0.0370
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@49	22.4	15.6	0.0363
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	25@12	22.56	15.76	0.0377
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	22.43	15.63	0.0366
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@49	22.36	15.56	0.0360
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	25@12	21.5	14.7	0.0295
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	21.39	14.59	0.0288
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@49	21.27	14.47	0.0280
78	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	25@12	20.03	13.23	0.0210
78	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	1@1	19.95	13.15	0.0207
78	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	1@49	19.66	12.86	0.0193
78	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	25@12	17.94	11.14	0.0130
78	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	1@1	17.81	11.01	0.0126
78	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	1@49	17.75	10.95	0.0124

78	30	20	647334	3710.01	CP-OFDM QPSK	25@12	21.03	14.23	0.0265
78	30	20	647334	3710.01	CP-OFDM QPSK	1@1	20.91	14.11	0.0258
78	30	20	647334	3710.01	CP-OFDM QPSK	1@49	21.11	14.31	0.0270
78	30	20	650000	3750	DFT-s-OFDM PI/2 BPSK	25@12	22.42	15.62	0.0365
78	30	20	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	22.24	15.44	0.0350
78	30	20	650000	3750	DFT-s-OFDM PI/2 BPSK	1@49	22.33	15.53	0.0357
78	30	20	650000	3750	DFT-s-OFDM QPSK	25@12	22.43	15.63	0.0366
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	22.22	15.42	0.0348
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@49	22.3	15.5	0.0355
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	25@12	21.35	14.55	0.0285
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.2	14.4	0.0275
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@49	21.26	14.46	0.0279
78	30	20	650000	3750	DFT-s-OFDM 64 QAM	25@12	19.9	13.1	0.0204
78	30	20	650000	3750	DFT-s-OFDM 64 QAM	1@1	19.5	12.7	0.0186
78	30	20	650000	3750	DFT-s-OFDM 64 QAM	1@49	19.87	13.07	0.0203
78	30	20	650000	3750	DFT-s-OFDM 256 QAM	25@12	17.86	11.06	0.0128
78	30	20	650000	3750	DFT-s-OFDM 256 QAM	1@1	17.63	10.83	0.0121
78	30	20	650000	3750	DFT-s-OFDM 256 QAM	1@49	17.71	10.91	0.0123
78	30	20	650000	3750	CP-OFDM QPSK	25@12	20.86	14.06	0.0255
78	30	20	650000	3750	CP-OFDM QPSK	1@1	20.71	13.91	0.0246
78	30	20	650000	3750	CP-OFDM QPSK	1@49	20.81	14.01	0.0252
78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	25@12	22.66	15.86	0.0385

78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	1@1	22.5	15.7	0.0372
78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	1@49	22.63	15.83	0.0383
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	25@12	22.67	15.87	0.0386
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	22.44	15.64	0.0366
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@49	22.62	15.82	0.0382
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	25@12	21.6	14.8	0.0302
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	21.4	14.6	0.0288
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@49	21.59	14.79	0.0301
78	30	20	652666	3789.99	DFT-s-OFDM 64 QAM	25@12	20.15	13.35	0.0216
78	30	20	652666	3789.99	DFT-s-OFDM 64 QAM	1@1	19.74	12.94	0.0197
78	30	20	652666	3789.99	DFT-s-OFDM 64 QAM	1@49	20.25	13.45	0.0221
78	30	20	652666	3789.99	DFT-s-OFDM 256 QAM	25@12	18.07	11.27	0.0134
78	30	20	652666	3789.99	DFT-s-OFDM 256 QAM	1@1	17.99	11.19	0.0132
78	30	20	652666	3789.99	DFT-s-OFDM 256 QAM	1@49	17.85	11.05	0.0127
78	30	20	652666	3789.99	CP-OFDM QPSK	25@12	21.12	14.32	0.0270
78	30	20	652666	3789.99	CP-OFDM QPSK	1@1	20.95	14.15	0.0260
78	30	20	652666	3789.99	CP-OFDM QPSK	1@49	21.13	14.33	0.0271
78	30	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	32@16	22.47	15.67	0.0369
78	30	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	1@1	22.41	15.61	0.0364
78	30	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	1@63	22.36	15.56	0.0360
78	30	25	647500	3712.5	DFT-s-OFDM QPSK	32@16	22.47	15.67	0.0369

78	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	22.39	15.59	0.0362
78	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@63	22.37	15.57	0.0361
78	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	32@16	21.43	14.63	0.0290
78	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	21.28	14.48	0.0281
78	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@63	21.4	14.6	0.0288
78	30	25	647500	3712.5	DFT-s-OFDM 64 QAM	32@16	19.93	13.13	0.0206
78	30	25	647500	3712.5	DFT-s-OFDM 64 QAM	1@1	20.11	13.31	0.0214
78	30	25	647500	3712.5	DFT-s-OFDM 64 QAM	1@63	19.95	13.15	0.0207
78	30	25	647500	3712.5	DFT-s-OFDM 256 QAM	32@16	18.03	11.23	0.0133
78	30	25	647500	3712.5	DFT-s-OFDM 256 QAM	1@1	17.69	10.89	0.0123
78	30	25	647500	3712.5	DFT-s-OFDM 256 QAM	1@63	17.83	11.03	0.0127
78	30	25	647500	3712.5	CP-OFDM QPSK	33@16	20.97	14.17	0.0261
78	30	25	647500	3712.5	CP-OFDM QPSK	1@1	20.88	14.08	0.0256
78	30	25	647500	3712.5	CP-OFDM QPSK	1@63	20.9	14.1	0.0257
78	30	25	650000	3750	DFT-s-OFDM PI/2 BPSK	32@16	22.43	15.63	0.0366
78	30	25	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	22.38	15.58	0.0361
78	30	25	650000	3750	DFT-s-OFDM PI/2 BPSK	1@63	22.41	15.61	0.0364
78	30	25	650000	3750	DFT-s-OFDM QPSK	32@16	22.44	15.64	0.0366
78	30	25	650000	3750	DFT-s-OFDM QPSK	1@1	22.25	15.45	0.0351
78	30	25	650000	3750	DFT-s-OFDM QPSK	1@63	22.27	15.47	0.0352
78	30	25	650000	3750	DFT-s-OFDM 16 QAM	32@16	21.39	14.59	0.0288

78	30	25	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.31	14.51	0.0282
78	30	25	650000	3750	DFT-s-OFDM 16 QAM	1@63	21.39	14.59	0.0288
78	30	25	650000	3750	DFT-s-OFDM 64 QAM	32@16	19.85	13.05	0.0202
78	30	25	650000	3750	DFT-s-OFDM 64 QAM	1@1	19.38	12.58	0.0181
78	30	25	650000	3750	DFT-s-OFDM 64 QAM	1@63	19.94	13.14	0.0206
78	30	25	650000	3750	DFT-s-OFDM 256 QAM	32@16	17.95	11.15	0.0130
78	30	25	650000	3750	DFT-s-OFDM 256 QAM	1@1	17.69	10.89	0.0123
78	30	25	650000	3750	DFT-s-OFDM 256 QAM	1@63	17.78	10.98	0.0125
78	30	25	650000	3750	CP-OFDM QPSK	33@16	20.87	14.07	0.0255
78	30	25	650000	3750	CP-OFDM QPSK	1@1	20.82	14.02	0.0252
78	30	25	650000	3750	CP-OFDM QPSK	1@63	20.9	14.1	0.0257
78	30	25	652500	3787.5	DFT-s-OFDM PI/2 BPSK	32@16	22.58	15.78	0.0378
78	30	25	652500	3787.5	DFT-s-OFDM PI/2 BPSK	1@1	22.5	15.7	0.0372
78	30	25	652500	3787.5	DFT-s-OFDM PI/2 BPSK	1@63	22.55	15.75	0.0376
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	32@16	22.61	15.81	0.0381
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	1@1	22.51	15.71	0.0372
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	1@63	22.55	15.75	0.0376
78	30	25	652500	3787.5	DFT-s-OFDM 16 QAM	32@16	21.52	14.72	0.0296
78	30	25	652500	3787.5	DFT-s-OFDM 16 QAM	1@1	21.47	14.67	0.0293
78	30	25	652500	3787.5	DFT-s-OFDM 16 QAM	1@63	21.51	14.71	0.0296
78	30	25	652500	3787.5	DFT-s-OFDM 64 QAM	32@16	20	13.2	0.0209

78	30	25	652500	3787.5	DFT-s-OFDM 64 QAM	1@1	20.04	13.24	0.0211
78	30	25	652500	3787.5	DFT-s-OFDM 64 QAM	1@63	19.86	13.06	0.0202
78	30	25	652500	3787.5	DFT-s-OFDM 256 QAM	32@16	18.04	11.24	0.0133
78	30	25	652500	3787.5	DFT-s-OFDM 256 QAM	1@1	17.85	11.05	0.0127
78	30	25	652500	3787.5	DFT-s-OFDM 256 QAM	1@63	17.82	11.02	0.0126
78	30	25	652500	3787.5	CP-OFDM QPSK	33@16	20.98	14.18	0.0262
78	30	25	652500	3787.5	CP-OFDM QPSK	1@1	20.9	14.1	0.0257
78	30	25	652500	3787.5	CP-OFDM QPSK	1@63	21.04	14.24	0.0265
78	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	36@18	22.69	15.89	0.0388
78	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@1	22.47	15.67	0.0369
78	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@76	22.49	15.69	0.0371
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	36@18	22.6	15.8	0.0380
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	22.42	15.62	0.0365
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@76	22.44	15.64	0.0366
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	36@18	21.55	14.75	0.0299
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	21.3	14.5	0.0282
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@76	21.43	14.63	0.0290
78	30	30	647668	3715.02	DFT-s-OFDM 64 QAM	36@18	20.07	13.27	0.0212
78	30	30	647668	3715.02	DFT-s-OFDM 64 QAM	1@1	20.08	13.28	0.0213
78	30	30	647668	3715.02	DFT-s-OFDM 64 QAM	1@76	19.7	12.9	0.0195
78	30	30	647668	3715.02	DFT-s-OFDM 256 QAM	36@18	18.1	11.3	0.0135

78	30	30	647668	3715.02	DFT-s-OFDM 256 QAM	1@1	17.99	11.19	0.0132
78	30	30	647668	3715.02	DFT-s-OFDM 256 QAM	1@76	18.02	11.22	0.0132
78	30	30	647668	3715.02	CP-OFDM QPSK	39@19	21.06	14.26	0.0267
78	30	30	647668	3715.02	CP-OFDM QPSK	1@1	20.94	14.14	0.0259
78	30	30	647668	3715.02	CP-OFDM QPSK	1@76	20.84	14.04	0.0254
78	30	30	650000	3750	DFT-s-OFDM PI/2 BPSK	36@18	22.51	15.71	0.0372
78	30	30	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	22.42	15.62	0.0365
78	30	30	650000	3750	DFT-s-OFDM PI/2 BPSK	1@76	22.5	15.7	0.0372
78	30	30	650000	3750	DFT-s-OFDM QPSK	36@18	22.48	15.68	0.0370
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	22.31	15.51	0.0356
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@76	22.48	15.68	0.0370
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	36@18	21.48	14.68	0.0294
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.4	14.6	0.0288
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@76	21.48	14.68	0.0294
78	30	30	650000	3750	DFT-s-OFDM 64 QAM	36@18	19.99	13.19	0.0208
78	30	30	650000	3750	DFT-s-OFDM 64 QAM	1@1	19.88	13.08	0.0203
78	30	30	650000	3750	DFT-s-OFDM 64 QAM	1@76	20.03	13.23	0.0210
78	30	30	650000	3750	DFT-s-OFDM 256 QAM	36@18	17.96	11.16	0.0131
78	30	30	650000	3750	DFT-s-OFDM 256 QAM	1@1	17.97	11.17	0.0131
78	30	30	650000	3750	DFT-s-OFDM 256 QAM	1@76	17.82	11.02	0.0126
78	30	30	650000	3750	CP-OFDM QPSK	39@19	20.97	14.17	0.0261
78	30	30	650000	3750	CP-OFDM QPSK	1@1	20.9	14.1	0.0257

78	30	30	650000	3750	CP-OFDM QPSK	1@76	20.85	14.05	0.0254
78	30	30	652332	3784.98	DFT-s-OFDM PI/2 BPSK	36@18	22.61	15.81	0.0381
78	30	30	652332	3784.98	DFT-s-OFDM PI/2 BPSK	1@1	22.49	15.69	0.0371
78	30	30	652332	3784.98	DFT-s-OFDM PI/2 BPSK	1@76	22.55	15.75	0.0376
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	36@18	22.55	15.75	0.0376
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	22.49	15.69	0.0371
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@76	22.57	15.77	0.0378
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	36@18	21.54	14.74	0.0298
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	21.49	14.69	0.0294
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@76	21.67	14.87	0.0307
78	30	30	652332	3784.98	DFT-s-OFDM 64 QAM	36@18	20.09	13.29	0.0213
78	30	30	652332	3784.98	DFT-s-OFDM 64 QAM	1@1	19.77	12.97	0.0198
78	30	30	652332	3784.98	DFT-s-OFDM 64 QAM	1@76	20.15	13.35	0.0216
78	30	30	652332	3784.98	DFT-s-OFDM 256 QAM	36@18	18.08	11.28	0.0134
78	30	30	652332	3784.98	DFT-s-OFDM 256 QAM	1@1	17.95	11.15	0.0130
78	30	30	652332	3784.98	DFT-s-OFDM 256 QAM	1@76	18.14	11.34	0.0136
78	30	30	652332	3784.98	CP-OFDM QPSK	39@19	21.08	14.28	0.0268
78	30	30	652332	3784.98	CP-OFDM QPSK	1@1	20.95	14.15	0.0260
78	30	30	652332	3784.98	CP-OFDM QPSK	1@76	20.99	14.19	0.0262
78	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	50@25	22.56	15.76	0.0377
78	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@1	22.46	15.66	0.0368

78	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@104	22.39	15.59	0.0362
78	30	40	648000	3720	DFT-s-OFDM QPSK	50@25	22.54	15.74	0.0375
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	22.42	15.62	0.0365
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@104	22.37	15.57	0.0361
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	50@25	21.47	14.67	0.0293
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	21.39	14.59	0.0288
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@104	21.28	14.48	0.0281
78	30	40	648000	3720	DFT-s-OFDM 64 QAM	50@25	20.01	13.21	0.0209
78	30	40	648000	3720	DFT-s-OFDM 64 QAM	1@1	19.74	12.94	0.0197
78	30	40	648000	3720	DFT-s-OFDM 64 QAM	1@104	19.63	12.83	0.0192
78	30	40	648000	3720	DFT-s-OFDM 256 QAM	50@25	18.03	11.23	0.0133
78	30	40	648000	3720	DFT-s-OFDM 256 QAM	1@1	17.82	11.02	0.0126
78	30	40	648000	3720	DFT-s-OFDM 256 QAM	1@104	17.81	11.01	0.0126
78	30	40	648000	3720	CP-OFDM QPSK	53@26	21.03	14.23	0.0265
78	30	40	648000	3720	CP-OFDM QPSK	1@1	20.91	14.11	0.0258
78	30	40	648000	3720	CP-OFDM QPSK	1@104	20.86	14.06	0.0255
78	30	40	650000	3750	DFT-s-OFDM PI/2 BPSK	50@25	22.43	15.63	0.0366
78	30	40	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	22.4	15.6	0.0363
78	30	40	650000	3750	DFT-s-OFDM PI/2 BPSK	1@104	22.45	15.65	0.0367
78	30	40	650000	3750	DFT-s-OFDM QPSK	50@25	22.45	15.65	0.0367
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	22.35	15.55	0.0359

78	30	40	650000	3750	DFT-s-OFDM QPSK	1@104	22.43	15.63	0.0366
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	50@25	21.38	14.58	0.0287
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.33	14.53	0.0284
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@104	21.43	14.63	0.0290
78	30	40	650000	3750	DFT-s-OFDM 64 QAM	50@25	19.86	13.06	0.0202
78	30	40	650000	3750	DFT-s-OFDM 64 QAM	1@1	19.92	13.12	0.0205
78	30	40	650000	3750	DFT-s-OFDM 64 QAM	1@104	20.07	13.27	0.0212
78	30	40	650000	3750	DFT-s-OFDM 256 QAM	50@25	17.91	11.11	0.0129
78	30	40	650000	3750	DFT-s-OFDM 256 QAM	1@1	17.68	10.88	0.0122
78	30	40	650000	3750	DFT-s-OFDM 256 QAM	1@104	17.95	11.15	0.0130
78	30	40	650000	3750	CP-OFDM QPSK	53@26	20.9	14.1	0.0257
78	30	40	650000	3750	CP-OFDM QPSK	1@1	20.83	14.03	0.0253
78	30	40	650000	3750	CP-OFDM QPSK	1@104	20.96	14.16	0.0261
78	30	40	652000	3780	DFT-s-OFDM PI/2 BPSK	50@25	22.54	15.74	0.0375
78	30	40	652000	3780	DFT-s-OFDM PI/2 BPSK	1@1	22.44	15.64	0.0366
78	30	40	652000	3780	DFT-s-OFDM PI/2 BPSK	1@104	22.6	15.8	0.0380
78	30	40	652000	3780	DFT-s-OFDM QPSK	50@25	22.54	15.74	0.0375
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	22.37	15.57	0.0361
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@104	22.54	15.74	0.0375
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	50@25	21.49	14.69	0.0294
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	21.37	14.57	0.0286

78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@104	21.52	14.72	0.0296
78	30	40	652000	3780	DFT-s-OFDM 64 QAM	50@25	19.97	13.17	0.0207
78	30	40	652000	3780	DFT-s-OFDM 64 QAM	1@1	19.94	13.14	0.0206
78	30	40	652000	3780	DFT-s-OFDM 64 QAM	1@104	20.18	13.38	0.0218
78	30	40	652000	3780	DFT-s-OFDM 256 QAM	50@25	18.07	11.27	0.0134
78	30	40	652000	3780	DFT-s-OFDM 256 QAM	1@1	17.83	11.03	0.0127
78	30	40	652000	3780	DFT-s-OFDM 256 QAM	1@104	18.03	11.23	0.0133
78	30	40	652000	3780	CP-OFDM QPSK	53@26	21.05	14.25	0.0266
78	30	40	652000	3780	CP-OFDM QPSK	1@1	20.84	14.04	0.0254
78	30	40	652000	3780	CP-OFDM QPSK	1@104	21.09	14.29	0.0269
78	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	64@32	22.54	15.74	0.0375
78	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@1	22.51	15.71	0.0372
78	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@131	22.45	15.65	0.0367
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	64@32	22.48	15.68	0.0370
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	22.43	15.63	0.0366
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@131	22.36	15.56	0.0360
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	64@32	21.48	14.68	0.0294
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	21.41	14.61	0.0289
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@131	21.29	14.49	0.0281
78	30	50	648334	3725.01	DFT-s-OFDM 64 QAM	64@32	19.98	13.18	0.0208
78	30	50	648334	3725.01	DFT-s-OFDM 64 QAM	1@1	19.79	12.99	0.0199

78	30	50	648334	3725.01	DFT-s-OFDM 64 QAM	1@131	19.93	13.13	0.0206
78	30	50	648334	3725.01	DFT-s-OFDM 256 QAM	64@32	17.98	11.18	0.0131
78	30	50	648334	3725.01	DFT-s-OFDM 256 QAM	1@1	17.94	11.14	0.0130
78	30	50	648334	3725.01	DFT-s-OFDM 256 QAM	1@131	17.81	11.01	0.0126
78	30	50	648334	3725.01	CP-OFDM QPSK	67@33	20.99	14.19	0.0262
78	30	50	648334	3725.01	CP-OFDM QPSK	1@1	20.94	14.14	0.0259
78	30	50	648334	3725.01	CP-OFDM QPSK	1@131	20.79	13.99	0.0251
78	30	50	650000	3750	DFT-s-OFDM PI/2 BPSK	64@32	22.44	15.64	0.0366
78	30	50	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	22.44	15.64	0.0366
78	30	50	650000	3750	DFT-s-OFDM PI/2 BPSK	1@131	22.47	15.67	0.0369
78	30	50	650000	3750	DFT-s-OFDM QPSK	64@32	22.43	15.63	0.0366
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	22.43	15.63	0.0366
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@131	22.45	15.65	0.0367
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	64@32	21.41	14.61	0.0289
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.34	14.54	0.0284
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@131	21.39	14.59	0.0288
78	30	50	650000	3750	DFT-s-OFDM 64 QAM	64@32	19.93	13.13	0.0206
78	30	50	650000	3750	DFT-s-OFDM 64 QAM	1@1	20.02	13.22	0.0210
78	30	50	650000	3750	DFT-s-OFDM 64 QAM	1@131	19.74	12.94	0.0197
78	30	50	650000	3750	DFT-s-OFDM 256 QAM	64@32	17.95	11.15	0.0130
78	30	50	650000	3750	DFT-s-OFDM 256 QAM	1@1	17.83	11.03	0.0127

78	30	50	650000	3750	DFT-s-OFDM 256 QAM	1@131	18.02	11.22	0.0132
78	30	50	650000	3750	CP-OFDM QPSK	67@33	20.89	14.09	0.0256
78	30	50	650000	3750	CP-OFDM QPSK	1@1	20.88	14.08	0.0256
78	30	50	650000	3750	CP-OFDM QPSK	1@131	20.98	14.18	0.0262
78	30	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	64@32	22.5	15.7	0.0372
78	30	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	1@1	22.35	15.55	0.0359
78	30	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	1@131	22.53	15.73	0.0374
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	64@32	22.47	15.67	0.0369
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	22.32	15.52	0.0356
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@131	22.57	15.77	0.0378
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	64@32	21.4	14.6	0.0288
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	21.34	14.54	0.0284
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@131	21.53	14.73	0.0297
78	30	50	651666	3774.99	DFT-s-OFDM 64 QAM	64@32	19.95	13.15	0.0207
78	30	50	651666	3774.99	DFT-s-OFDM 64 QAM	1@1	19.52	12.72	0.0187
78	30	50	651666	3774.99	DFT-s-OFDM 64 QAM	1@131	19.87	13.07	0.0203
78	30	50	651666	3774.99	DFT-s-OFDM 256 QAM	64@32	17.94	11.14	0.0130
78	30	50	651666	3774.99	DFT-s-OFDM 256 QAM	1@1	17.9	11.1	0.0129
78	30	50	651666	3774.99	DFT-s-OFDM 256 QAM	1@131	18.14	11.34	0.0136
78	30	50	651666	3774.99	CP-OFDM QPSK	67@33	20.95	14.15	0.0260
78	30	50	651666	3774.99	CP-OFDM QPSK	1@1	20.76	13.96	0.0249
78	30	50	651666	3774.99	CP-OFDM QPSK	1@131	20.98	14.18	0.0262

78	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	81@40	22.45	15.65	0.0367
78	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@1	22.4	15.6	0.0363
78	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@160	22.31	15.51	0.0356
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	81@40	22.42	15.62	0.0365
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	22.32	15.52	0.0356
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@160	22.32	15.52	0.0356
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	81@40	21.4	14.6	0.0288
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	21.1	14.3	0.0269
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@160	21.3	14.5	0.0282
78	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	81@40	19.89	13.09	0.0204
78	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	1@1	19.99	13.19	0.0208
78	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	1@160	19.84	13.04	0.0201
78	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	81@40	17.85	11.05	0.0127
78	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	1@1	17.95	11.15	0.0130
78	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	1@160	17.85	11.05	0.0127
78	30	60	648668	3730.02	CP-OFDM QPSK	81@40	20.85	14.05	0.0254
78	30	60	648668	3730.02	CP-OFDM QPSK	1@1	20.82	14.02	0.0252
78	30	60	648668	3730.02	CP-OFDM QPSK	1@160	20.81	14.01	0.0252
78	30	60	650000	3750	DFT-s-OFDM PI/2 BPSK	81@40	22.41	15.61	0.0364
78	30	60	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	22.44	15.64	0.0366
78	30	60	650000	3750	DFT-s-OFDM PI/2 BPSK	1@160	22.48	15.68	0.0370

78	30	60	650000	3750	DFT-s-OFDM QPSK	81@40	22.36	15.56	0.0360
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	22.36	15.56	0.0360
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@160	22.4	15.6	0.0363
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	81@40	21.35	14.55	0.0285
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.4	14.6	0.0288
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@160	21.45	14.65	0.0292
78	30	60	650000	3750	DFT-s-OFDM 64 QAM	81@40	19.91	13.11	0.0205
78	30	60	650000	3750	DFT-s-OFDM 64 QAM	1@1	20.01	13.21	0.0209
78	30	60	650000	3750	DFT-s-OFDM 64 QAM	1@160	19.98	13.18	0.0208
78	30	60	650000	3750	DFT-s-OFDM 256 QAM	81@40	17.87	11.07	0.0128
78	30	60	650000	3750	DFT-s-OFDM 256 QAM	1@1	17.84	11.04	0.0127
78	30	60	650000	3750	DFT-s-OFDM 256 QAM	1@160	17.79	10.99	0.0126
78	30	60	650000	3750	CP-OFDM QPSK	81@40	20.91	14.11	0.0258
78	30	60	650000	3750	CP-OFDM QPSK	1@1	20.86	14.06	0.0255
78	30	60	650000	3750	CP-OFDM QPSK	1@160	20.92	14.12	0.0258
78	30	60	651332	3769.98	DFT-s-OFDM PI/2 BPSK	81@40	22.48	15.68	0.0370
78	30	60	651332	3769.98	DFT-s-OFDM PI/2 BPSK	1@1	22.29	15.49	0.0354
78	30	60	651332	3769.98	DFT-s-OFDM PI/2 BPSK	1@160	22.54	15.74	0.0375
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	81@40	22.43	15.63	0.0366
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	22.25	15.45	0.0351
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@160	22.49	15.69	0.0371

78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	81@40	21.37	14.57	0.0286
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	21.24	14.44	0.0278
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@160	21.55	14.75	0.0299
78	30	60	651332	3769.98	DFT-s-OFDM 64 QAM	81@40	20	13.2	0.0209
78	30	60	651332	3769.98	DFT-s-OFDM 64 QAM	1@1	19.89	13.09	0.0204
78	30	60	651332	3769.98	DFT-s-OFDM 64 QAM	1@160	20.05	13.25	0.0211
78	30	60	651332	3769.98	DFT-s-OFDM 256 QAM	81@40	17.96	11.16	0.0131
78	30	60	651332	3769.98	DFT-s-OFDM 256 QAM	1@1	17.72	10.92	0.0124
78	30	60	651332	3769.98	DFT-s-OFDM 256 QAM	1@160	18.02	11.22	0.0132
78	30	60	651332	3769.98	CP-OFDM QPSK	81@40	20.93	14.13	0.0259
78	30	60	651332	3769.98	CP-OFDM QPSK	1@1	20.75	13.95	0.0248
78	30	60	651332	3769.98	CP-OFDM QPSK	1@160	20.95	14.15	0.0260
78	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	90@45	22.44	15.64	0.0366
78	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	1@1	22.31	15.51	0.0356
78	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	1@187	22.32	15.52	0.0356
78	30	70	649000	3735	DFT-s-OFDM QPSK	90@45	22.38	15.58	0.0361
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	22.31	15.51	0.0356
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@187	22.25	15.45	0.0351
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	90@45	21.39	14.59	0.0288
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	21.25	14.45	0.0279
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@187	21.21	14.41	0.0276

78	30	70	649000	3735	DFT-s-OFDM 64 QAM	90@45	19.89	13.09	0.0204
78	30	70	649000	3735	DFT-s-OFDM 64 QAM	1@1	19.78	12.98	0.0199
78	30	70	649000	3735	DFT-s-OFDM 64 QAM	1@187	19.8	13	0.0200
78	30	70	649000	3735	DFT-s-OFDM 256 QAM	90@45	17.8	11	0.0126
78	30	70	649000	3735	DFT-s-OFDM 256 QAM	1@1	17.78	10.98	0.0125
78	30	70	649000	3735	DFT-s-OFDM 256 QAM	1@187	17.87	11.07	0.0128
78	30	70	649000	3735	CP-OFDM QPSK	95@47	20.86	14.06	0.0255
78	30	70	649000	3735	CP-OFDM QPSK	1@1	20.73	13.93	0.0247
78	30	70	649000	3735	CP-OFDM QPSK	1@187	20.76	13.96	0.0249
78	30	70	650000	3750	DFT-s-OFDM PI/2 BPSK	90@45	22.37	15.57	0.0361
78	30	70	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	22.3	15.5	0.0355
78	30	70	650000	3750	DFT-s-OFDM PI/2 BPSK	1@187	22.34	15.54	0.0358
78	30	70	650000	3750	DFT-s-OFDM QPSK	90@45	22.34	15.54	0.0358
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@1	22.23	15.43	0.0349
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@187	22.27	15.47	0.0352
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	90@45	21.29	14.49	0.0281
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.21	14.41	0.0276
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@187	21.25	14.45	0.0279
78	30	70	650000	3750	DFT-s-OFDM 64 QAM	90@45	19.82	13.02	0.0200
78	30	70	650000	3750	DFT-s-OFDM 64 QAM	1@1	19.86	13.06	0.0202
78	30	70	650000	3750	DFT-s-OFDM 64 QAM	1@187	19.91	13.11	0.0205

78	30	70	650000	3750	DFT-s-OFDM 256 QAM	90@45	17.76	10.96	0.0125
78	30	70	650000	3750	DFT-s-OFDM 256 QAM	1@1	17.73	10.93	0.0124
78	30	70	650000	3750	DFT-s-OFDM 256 QAM	1@187	17.74	10.94	0.0124
78	30	70	650000	3750	CP-OFDM QPSK	95@47	20.79	13.99	0.0251
78	30	70	650000	3750	CP-OFDM QPSK	1@1	20.72	13.92	0.0247
78	30	70	650000	3750	CP-OFDM QPSK	1@187	20.8	14	0.0251
78	30	70	651000	3765	DFT-s-OFDM PI/2 BPSK	90@45	22.38	15.58	0.0361
78	30	70	651000	3765	DFT-s-OFDM PI/2 BPSK	1@1	22.24	15.44	0.0350
78	30	70	651000	3765	DFT-s-OFDM PI/2 BPSK	1@187	22.53	15.73	0.0374
78	30	70	651000	3765	DFT-s-OFDM QPSK	90@45	22.34	15.54	0.0358
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@1	22.2	15.4	0.0347
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@187	22.4	15.6	0.0363
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	90@45	21.32	14.52	0.0283
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@1	21.14	14.34	0.0272
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@187	21.4	14.6	0.0288
78	30	70	651000	3765	DFT-s-OFDM 64 QAM	90@45	19.84	13.04	0.0201
78	30	70	651000	3765	DFT-s-OFDM 64 QAM	1@1	19.79	12.99	0.0199
78	30	70	651000	3765	DFT-s-OFDM 64 QAM	1@187	20.05	13.25	0.0211
78	30	70	651000	3765	DFT-s-OFDM 256 QAM	90@45	17.8	11	0.0126
78	30	70	651000	3765	DFT-s-OFDM 256 QAM	1@1	17.6	10.8	0.0120
78	30	70	651000	3765	DFT-s-OFDM 256 QAM	1@187	17.85	11.05	0.0127

78	30	70	651000	3765	CP-OFDM QPSK	95@47	20.88	14.08	0.0256
78	30	70	651000	3765	CP-OFDM QPSK	1@1	20.69	13.89	0.0245
78	30	70	651000	3765	CP-OFDM QPSK	1@187	20.96	14.16	0.0261
78	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	108@54	22.38	15.58	0.0361
78	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@1	22.31	15.51	0.0356
78	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@215	22.32	15.52	0.0356
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	108@54	22.38	15.58	0.0361
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	22.23	15.43	0.0349
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@215	22.32	15.52	0.0356
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	108@54	21.36	14.56	0.0286
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	21.21	14.41	0.0276
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@215	21.26	14.46	0.0279
78	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	108@54	19.82	13.02	0.0200
78	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	1@1	19.88	13.08	0.0203
78	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	1@215	19.85	13.05	0.0202
78	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	108@54	17.87	11.07	0.0128
78	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	1@1	17.8	11	0.0126
78	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	1@215	17.86	11.06	0.0128
78	30	80	649334	3740.01	CP-OFDM QPSK	109@54	20.85	14.05	0.0254
78	30	80	649334	3740.01	CP-OFDM QPSK	1@1	20.76	13.96	0.0249
78	30	80	649334	3740.01	CP-OFDM QPSK	1@215	20.78	13.98	0.0250
78	30	80	650000	3740.01	DFT-s-OFDM PI/2 BPSK	108@54	22.37	15.57	0.0361

78	30	80	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	22.34	15.54	0.0358
78	30	80	650000	3750	DFT-s-OFDM PI/2 BPSK	1@215	22.4	15.6	0.0363
78	30	80	650000	3750	DFT-s-OFDM QPSK	108@54	22.3	15.5	0.0355
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@1	22.29	15.49	0.0354
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@215	22.33	15.53	0.0357
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	108@54	21.3	14.5	0.0282
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.21	14.41	0.0276
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@215	21.34	14.54	0.0284
78	30	80	650000	3750	DFT-s-OFDM 64 QAM	108@54	19.81	13.01	0.0200
78	30	80	650000	3750	DFT-s-OFDM 64 QAM	1@1	19.72	12.92	0.0196
78	30	80	650000	3750	DFT-s-OFDM 64 QAM	1@215	19.81	13.01	0.0200
78	30	80	650000	3750	DFT-s-OFDM 256 QAM	108@54	17.8	11	0.0126
78	30	80	650000	3750	DFT-s-OFDM 256 QAM	1@1	17.92	11.12	0.0129
78	30	80	650000	3750	DFT-s-OFDM 256 QAM	1@215	18.07	11.27	0.0134
78	30	80	650000	3750	CP-OFDM QPSK	109@54	20.8	14	0.0251
78	30	80	650000	3750	CP-OFDM QPSK	1@1	20.8	14	0.0251
78	30	80	650000	3750	CP-OFDM QPSK	1@215	20.87	14.07	0.0255
78	30	80	650666	3750	DFT-s-OFDM PI/2 BPSK	108@54	22.31	15.51	0.0356
78	30	80	650666	3759.99	DFT-s-OFDM PI/2 BPSK	1@1	22.36	15.56	0.0360
78	30	80	650666	3759.99	DFT-s-OFDM PI/2 BPSK	1@215	22.51	15.71	0.0372
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	108@54	22.32	15.52	0.0356

78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	22.13	15.33	0.0341
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@215	22.39	15.59	0.0362
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	108@54	21.32	14.52	0.0283
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	21.17	14.37	0.0274
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@215	21.42	14.62	0.0290
78	30	80	650666	3759.99	DFT-s-OFDM 64 QAM	108@54	19.85	13.05	0.0202
78	30	80	650666	3759.99	DFT-s-OFDM 64 QAM	1@1	19.75	12.95	0.0197
78	30	80	650666	3759.99	DFT-s-OFDM 64 QAM	1@215	19.97	13.17	0.0207
78	30	80	650666	3759.99	DFT-s-OFDM 256 QAM	108@54	17.77	10.97	0.0125
78	30	80	650666	3759.99	DFT-s-OFDM 256 QAM	1@1	17.7	10.9	0.0123
78	30	80	650666	3759.99	DFT-s-OFDM 256 QAM	1@215	17.66	10.86	0.0122
78	30	80	650666	3759.99	CP-OFDM QPSK	109@54	20.79	13.99	0.0251
78	30	80	650666	3759.99	CP-OFDM QPSK	1@1	20.72	13.92	0.0247
78	30	80	650666	3759.99	CP-OFDM QPSK	1@215	20.94	14.14	0.0259
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	120@60	22.46	15.66	0.0368
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@1	22.32	15.52	0.0356
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@243	22.42	15.62	0.0365
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	120@60	22.38	15.58	0.0361
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	22.27	15.47	0.0352
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@243	22.32	15.52	0.0356
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	120@60	21.38	14.58	0.0287

78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	21.21	14.41	0.0276
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@243	21.33	14.53	0.0284
78	30	90	649668	3745.02	DFT-s-OFDM 64 QAM	120@60	19.86	13.06	0.0202
78	30	90	649668	3745.02	DFT-s-OFDM 64 QAM	1@1	19.74	12.94	0.0197
78	30	90	649668	3745.02	DFT-s-OFDM 64 QAM	1@243	19.89	13.09	0.0204
78	30	90	649668	3745.02	DFT-s-OFDM 256 QAM	120@60	17.78	10.98	0.0125
78	30	90	649668	3745.02	DFT-s-OFDM 256 QAM	1@1	17.43	10.63	0.0116
78	30	90	649668	3745.02	DFT-s-OFDM 256 QAM	1@243	17.59	10.79	0.0120
78	30	90	649668	3745.02	CP-OFDM QPSK	123@61	20.8	14	0.0251
78	30	90	649668	3745.02	CP-OFDM QPSK	1@1	20.75	13.95	0.0248
78	30	90	649668	3745.02	CP-OFDM QPSK	1@243	20.84	14.04	0.0254
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	120@60	22.37	15.57	0.0361
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	22.31	15.51	0.0356
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	1@243	22.43	15.63	0.0366
78	30	90	650000	3750	DFT-s-OFDM QPSK	120@60	22.34	15.54	0.0358
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	22.17	15.37	0.0344
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@243	22.33	15.53	0.0357
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	120@60	21.34	14.54	0.0284
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.16	14.36	0.0273
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@243	21.31	14.51	0.0282
78	30	90	650000	3750	DFT-s-OFDM 64 QAM	120@60	19.8	13	0.0200

78	30	90	650000	3750	DFT-s-OFDM 64 QAM	1@1	19.79	12.99	0.0199
78	30	90	650000	3750	DFT-s-OFDM 64 QAM	1@243	19.78	12.98	0.0199
78	30	90	650000	3750	DFT-s-OFDM 256 QAM	120@60	17.73	10.93	0.0124
78	30	90	650000	3750	DFT-s-OFDM 256 QAM	1@1	17.83	11.03	0.0127
78	30	90	650000	3750	DFT-s-OFDM 256 QAM	1@243	17.95	11.15	0.0130
78	30	90	650000	3750	CP-OFDM QPSK	123@61	20.79	13.99	0.0251
78	30	90	650000	3750	CP-OFDM QPSK	1@1	20.72	13.92	0.0247
78	30	90	650000	3750	CP-OFDM QPSK	1@243	20.79	13.99	0.0251
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	120@60	22.34	15.54	0.0358
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	1@1	22.3	15.5	0.0355
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	1@243	22.43	15.63	0.0366
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	120@60	22.32	15.52	0.0356
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	22.24	15.44	0.0350
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@243	22.34	15.54	0.0358
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	120@60	21.31	14.51	0.0282
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	21.2	14.4	0.0275
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@243	21.35	14.55	0.0285
78	30	90	650332	3754.98	DFT-s-OFDM 64 QAM	120@60	19.78	12.98	0.0199
78	30	90	650332	3754.98	DFT-s-OFDM 64 QAM	1@1	19.78	12.98	0.0199
78	30	90	650332	3754.98	DFT-s-OFDM 64 QAM	1@243	19.9	13.1	0.0204
78	30	90	650332	3754.98	DFT-s-OFDM 256 QAM	120@60	17.71	10.91	0.0123

78	30	90	650332	3754.98	DFT-s-OFDM 256 QAM	1@1	17.56	10.76	0.0119
78	30	90	650332	3754.98	DFT-s-OFDM 256 QAM	1@243	17.73	10.93	0.0124
78	30	90	650332	3754.98	CP-OFDM QPSK	123@61	20.73	13.93	0.0247
78	30	90	650332	3754.98	CP-OFDM QPSK	1@1	20.65	13.85	0.0243
78	30	90	650332	3754.98	CP-OFDM QPSK	1@243	20.84	14.04	0.0254
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	22.35	15.55	0.0359
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	22.24	15.44	0.0350
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	22.43	15.63	0.0366
78	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	22.32	15.52	0.0356
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	22.19	15.39	0.0346
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	22.36	15.56	0.0360
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	21.52	14.72	0.0296
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.19	14.39	0.0275
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	21.42	14.62	0.0290
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	19.81	13.01	0.0200
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	19.75	12.95	0.0197
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	19.94	13.14	0.0206
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	17.76	10.96	0.0125
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	17.57	10.77	0.0119
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	17.9	11.1	0.0129
78	30	100	650000	3750	CP-OFDM QPSK	137@68	20.79	13.99	0.0251
78	30	100	650000	3750	CP-OFDM QPSK	1@1	20.7	13.9	0.0245
78	30	100	650000	3750	CP-OFDM QPSK	1@271	20.85	14.05	0.0254

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Conducted Power and EIRP (ANT gain=-4.94dBi)

MIMO Antenna gain= $10 \log[(10^{\text{Ant.3 gain}/20} + 10^{\text{Ant.5 gain}/20})^2 / 2]$

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	ANT3 Power (dBm)	ANT5 Power (dBm)	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
77	15	10	647000	3705	DFT-s-OFDM PI/2 BPSK	25@12	22.28	22.29	25.30	20.36	0.1085
77	15	10	647000	3705	DFT-s-OFDM PI/2 BPSK	1@1	22.71	22.68	25.71	20.77	0.1193
77	15	10	647000	3705	DFT-s-OFDM PI/2 BPSK	1@50	22.76	22.81	25.80	20.86	0.1218
77	15	10	647000	3705	DFT-s-OFDM QPSK	25@12	22.81	22.79	25.81	20.87	0.1222
77	15	10	647000	3705	DFT-s-OFDM QPSK	1@1	22.71	22.72	25.73	20.79	0.1198
77	15	10	647000	3705	DFT-s-OFDM QPSK	1@50	22.73	22.76	25.76	20.82	0.1207
77	15	10	647000	3705	DFT-s-OFDM 16 QAM	25@12	21.74	21.89	24.83	19.89	0.0974
77	15	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	21.75	21.6	24.69	19.75	0.0943
77	15	10	647000	3705	DFT-s-OFDM 16 QAM	1@50	21.49	21.63	24.57	19.63	0.0919
77	15	10	647000	3705	DFT-s-OFDM 64 QAM	25@12	20.24	20.2	23.23	18.29	0.0675
77	15	10	647000	3705	DFT-s-OFDM 64 QAM	1@1	20.44	19.86	23.17	18.23	0.0665
77	15	10	647000	3705	DFT-s-OFDM 64 QAM	1@50	19.92	20.39	23.17	18.23	0.0666
77	15	10	647000	3705	DFT-s-OFDM 256 QAM	25@12	18.22	18.25	21.25	16.31	0.0427
77	15	10	647000	3705	DFT-s-OFDM 256 QAM	1@1	18.14	18.11	21.14	16.20	0.0416
77	15	10	647000	3705	DFT-s-OFDM 256 QAM	1@50	18.15	18.19	21.18	16.24	0.0421
77	15	10	647000	3705	CP-OFDM QPSK	26@13	21.22	21.42	24.33	19.39	0.0869
77	15	10	647000	3705	CP-OFDM QPSK	1@1	21.21	21.18	24.21	19.27	0.0844
77	15	10	647000	3705	CP-OFDM QPSK	1@50	21.37	21.29	24.34	19.40	0.0871
77	15	10	656000	3840	DFT-s-OFDM PI/2 BPSK	25@12	22.67	22.91	25.80	20.86	0.1220
77	15	10	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	22.61	22.83	25.73	20.79	0.1200
77	15	10	656000	3840	DFT-s-OFDM PI/2 BPSK	1@50	22.69	22.9	25.81	20.87	0.1221
77	15	10	656000	3840	DFT-s-OFDM QPSK	25@12	22.72	22.9	25.82	20.88	0.1225
77	15	10	656000	3840	DFT-s-OFDM QPSK	1@1	22.59	22.78	25.70	20.76	0.1190
77	15	10	656000	3840	DFT-s-OFDM QPSK	1@50	22.6	22.8	25.71	20.77	0.1194
77	15	10	656000	3840	DFT-s-OFDM 16 QAM	25@12	21.65	21.81	24.74	19.80	0.0955
77	15	10	656000	3840	DFT-s-OFDM 16 QAM	1@1	21.39	21.62	24.52	19.58	0.0907
77	15	10	656000	3840	DFT-s-OFDM 16 QAM	1@50	21.66	21.69	24.69	19.75	0.0943
77	15	10	656000	3840	DFT-s-OFDM	25@12	20.2	20.4	23.31	18.37	0.0687

					64 QAM						
77	15	10	656000	3840	DFT-s-OFDM 64 QAM	1@1	20.23	20.44	23.35	18.41	0.0693
77	15	10	656000	3840	DFT-s-OFDM 64 QAM	1@50	19.85	20.15	23.01	18.07	0.0642
77	15	10	656000	3840	DFT-s-OFDM 256 QAM	25@12	18.45	18.35	21.41	16.47	0.0444
77	15	10	656000	3840	DFT-s-OFDM 256 QAM	1@1	17.99	18.16	21.09	16.15	0.0412
77	15	10	656000	3840	DFT-s-OFDM 256 QAM	1@50	18.02	18.24	21.14	16.20	0.0417
77	15	10	656000	3840	CP-OFDM QPSK	26@13	21.35	21.56	24.47	19.53	0.0897
77	15	10	656000	3840	CP-OFDM QPSK	1@1	21.11	21.43	24.28	19.34	0.0860
77	15	10	656000	3840	CP-OFDM QPSK	1@50	21.11	21.37	24.25	19.31	0.0854
77	15	10	665000	3975	DFT-s-OFDM PI/2 BPSK	25@12	23.03	22.8	25.93	20.99	0.1255
77	15	10	665000	3975	DFT-s-OFDM PI/2 BPSK	1@1	22.95	22.71	25.84	20.90	0.1231
77	15	10	665000	3975	DFT-s-OFDM PI/2 BPSK	1@50	23.07	22.85	25.97	21.03	0.1268
77	15	10	665000	3975	DFT-s-OFDM QPSK	25@12	23.04	22.72	25.89	20.95	0.1245
77	15	10	665000	3975	DFT-s-OFDM QPSK	1@1	22.96	22.66	25.82	20.88	0.1225
77	15	10	665000	3975	DFT-s-OFDM QPSK	1@50	23.03	22.74	25.90	20.96	0.1247
77	15	10	665000	3975	DFT-s-OFDM 16 QAM	25@12	21.97	21.75	24.87	19.93	0.0984
77	15	10	665000	3975	DFT-s-OFDM 16 QAM	1@1	22.06	21.63	24.86	19.92	0.0982
77	15	10	665000	3975	DFT-s-OFDM 16 QAM	1@50	21.74	21.89	24.83	19.89	0.0974
77	15	10	665000	3975	DFT-s-OFDM 64 QAM	25@12	20.48	20.24	23.37	18.43	0.0697
77	15	10	665000	3975	DFT-s-OFDM 64 QAM	1@1	20.27	20.33	23.31	18.37	0.0687
77	15	10	665000	3975	DFT-s-OFDM 64 QAM	1@50	20.81	20.11	23.48	18.54	0.0715
77	15	10	665000	3975	DFT-s-OFDM 256 QAM	25@12	18.42	18.24	21.34	16.40	0.0437
77	15	10	665000	3975	DFT-s-OFDM 256 QAM	1@1	18.41	18.14	21.29	16.35	0.0431
77	15	10	665000	3975	DFT-s-OFDM 256 QAM	1@50	18.35	18.2	21.29	16.35	0.0431
77	15	10	665000	3975	CP-OFDM QPSK	26@13	21.42	21.35	24.40	19.46	0.0882
77	15	10	665000	3975	CP-OFDM QPSK	1@1	21.47	21.23	24.36	19.42	0.0875
77	15	10	665000	3975	CP-OFDM QPSK	1@50	21.45	21.3	24.39	19.45	0.0880
77	15	15	647167	3707.505	DFT-s-OFDM PI/2 BPSK	36@18	22.27	22.27	25.28	20.34	0.1082
77	15	15	647167	3707.505	DFT-s-OFDM PI/2 BPSK	1@1	22.79	22.77	25.79	20.85	0.1216
77	15	15	647167	3707.505	DFT-s-OFDM PI/2 BPSK	1@77	22.77	22.82	25.81	20.87	0.1220
77	15	15	647167	3707.505	DFT-s-OFDM QPSK	36@18	22.86	22.83	25.86	20.92	0.1235
77	15	15	647167	3707.505	DFT-s-OFDM QPSK	1@1	22.76	22.68	25.73	20.79	0.1200
77	15	15	647167	3707.505	DFT-s-OFDM QPSK	1@77	22.74	22.81	25.79	20.85	0.1215
77	15	15	647167	3707.505	DFT-s-OFDM 16 QAM	36@18	21.8	21.81	24.82	19.88	0.0972

77	15	15	647167	3707.505	DFT-s-OFDM 16 QAM	1@1	21.8	21.52	24.67	19.73	0.0940
77	15	15	647167	3707.505	DFT-s-OFDM 16 QAM	1@77	21.62	21.65	24.65	19.71	0.0934
77	15	15	647167	3707.505	DFT-s-OFDM 64 QAM	36@18	20.3	20.27	23.30	18.36	0.0685
77	15	15	647167	3707.505	DFT-s-OFDM 64 QAM	1@1	19.98	20.2	23.10	18.16	0.0655
77	15	15	647167	3707.505	DFT-s-OFDM 64 QAM	1@77	20.44	20.23	23.35	18.41	0.0693
77	15	15	647167	3707.505	DFT-s-OFDM 256 QAM	36@18	18.22	18.42	21.33	16.39	0.0436
77	15	15	647167	3707.505	DFT-s-OFDM 256 QAM	1@1	18.18	18.15	21.18	16.24	0.0420
77	15	15	647167	3707.505	DFT-s-OFDM 256 QAM	1@77	18.14	18.22	21.19	16.25	0.0422
77	15	15	647167	3707.505	CP-OFDM QPSK	39@19	21.34	21.52	24.44	19.50	0.0892
77	15	15	647167	3707.505	CP-OFDM QPSK	1@1	21.21	21.12	24.18	19.24	0.0839
77	15	15	647167	3707.505	CP-OFDM QPSK	1@77	21.36	21.41	24.40	19.46	0.0882
77	15	15	656000	3840	DFT-s-OFDM PI/2 BPSK	36@18	22.73	22.86	25.81	20.87	0.1221
77	15	15	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	22.75	22.84	25.81	20.87	0.1221
77	15	15	656000	3840	DFT-s-OFDM PI/2 BPSK	1@77	22.74	23.01	25.89	20.95	0.1244
77	15	15	656000	3840	DFT-s-OFDM QPSK	36@18	22.74	22.92	25.84	20.90	0.1231
77	15	15	656000	3840	DFT-s-OFDM QPSK	1@1	22.63	22.8	25.73	20.79	0.1198
77	15	15	656000	3840	DFT-s-OFDM QPSK	1@77	22.64	22.94	25.80	20.86	0.1220
77	15	15	656000	3840	DFT-s-OFDM 16 QAM	36@18	21.76	21.93	24.86	19.92	0.0981
77	15	15	656000	3840	DFT-s-OFDM 16 QAM	1@1	21.7	21.71	24.72	19.78	0.0950
77	15	15	656000	3840	DFT-s-OFDM 16 QAM	1@77	21.47	21.86	24.68	19.74	0.0942
77	15	15	656000	3840	DFT-s-OFDM 64 QAM	36@18	20.24	20.42	23.34	18.40	0.0692
77	15	15	656000	3840	DFT-s-OFDM 64 QAM	1@1	19.61	19.79	22.71	17.77	0.0599
77	15	15	656000	3840	DFT-s-OFDM 64 QAM	1@77	20.17	20.23	23.21	18.27	0.0671
77	15	15	656000	3840	DFT-s-OFDM 256 QAM	36@18	18.34	18.55	21.46	16.52	0.0448
77	15	15	656000	3840	DFT-s-OFDM 256 QAM	1@1	18.11	18.19	21.16	16.22	0.0419
77	15	15	656000	3840	DFT-s-OFDM 256 QAM	1@77	17.98	18.33	21.17	16.23	0.0420
77	15	15	656000	3840	CP-OFDM QPSK	39@19	21.35	21.42	24.40	19.46	0.0882
77	15	15	656000	3840	CP-OFDM QPSK	1@1	21.14	21.29	24.23	19.29	0.0848
77	15	15	656000	3840	CP-OFDM QPSK	1@77	21.13	21.49	24.32	19.38	0.0868
77	15	15	664833	3972.495	DFT-s-OFDM PI/2 BPSK	36@18	23.02	22.7	25.87	20.93	0.1240
77	15	15	664833	3972.495	DFT-s-OFDM PI/2 BPSK	1@1	22.92	22.61	25.78	20.84	0.1213
77	15	15	664833	3972.495	DFT-s-OFDM PI/2 BPSK	1@77	23.01	22.75	25.89	20.95	0.1245
77	15	15	664833	3972.495	DFT-s-OFDM QPSK	36@18	23.02	22.74	25.89	20.95	0.1245
77	15	15	664833	3972.495	DFT-s-OFDM QPSK	1@1	22.91	22.44	25.69	20.75	0.1189

77	15	15	664833	3972.495	DFT-s-OFDM QPSK	1@77	22.92	22.75	25.85	20.91	0.1232
77	15	15	664833	3972.495	DFT-s-OFDM 16 QAM	36@18	22.03	21.72	24.89	19.95	0.0988
77	15	15	664833	3972.495	DFT-s-OFDM 16 QAM	1@1	21.83	21.48	24.67	19.73	0.0939
77	15	15	664833	3972.495	DFT-s-OFDM 16 QAM	1@77	21.91	21.6	24.77	19.83	0.0961
77	15	15	664833	3972.495	DFT-s-OFDM 64 QAM	36@18	20.48	20.15	23.33	18.39	0.0690
77	15	15	664833	3972.495	DFT-s-OFDM 64 QAM	1@1	20.59	19.94	23.29	18.35	0.0684
77	15	15	664833	3972.495	DFT-s-OFDM 64 QAM	1@77	20.64	20.18	23.43	18.49	0.0706
77	15	15	664833	3972.495	DFT-s-OFDM 256 QAM	36@18	18.39	18.08	21.25	16.31	0.0427
77	15	15	664833	3972.495	DFT-s-OFDM 256 QAM	1@1	18.38	17.95	21.18	16.24	0.0421
77	15	15	664833	3972.495	DFT-s-OFDM 256 QAM	1@77	18.36	18.21	21.30	16.36	0.0432
77	15	15	664833	3972.495	CP-OFDM QPSK	39@19	21.45	21.17	24.32	19.38	0.0867
77	15	15	664833	3972.495	CP-OFDM QPSK	1@1	21.31	21.22	24.28	19.34	0.0858
77	15	15	664833	3972.495	CP-OFDM QPSK	1@77	21.5	21.2	24.36	19.42	0.0876
77	15	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	50@25	22.29	22.28	25.30	20.36	0.1085
77	15	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@1	22.82	22.76	25.80	20.86	0.1219
77	15	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@104	22.75	22.79	25.78	20.84	0.1213
77	15	20	647334	3710.01	DFT-s-OFDM QPSK	50@25	22.82	22.82	25.83	20.89	0.1228
77	15	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	22.73	22.63	25.69	20.75	0.1189
77	15	20	647334	3710.01	DFT-s-OFDM QPSK	1@104	22.68	22.69	25.70	20.76	0.1190
77	15	20	647334	3710.01	DFT-s-OFDM 16 QAM	50@25	21.83	21.84	24.85	19.91	0.0978
77	15	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	21.57	21.65	24.62	19.68	0.0929
77	15	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@104	21.58	21.52	24.56	19.62	0.0916
77	15	20	647334	3710.01	DFT-s-OFDM 64 QAM	50@25	20.25	20.31	23.29	18.35	0.0684
77	15	20	647334	3710.01	DFT-s-OFDM 64 QAM	1@1	20.55	19.98	23.28	18.34	0.0683
77	15	20	647334	3710.01	DFT-s-OFDM 64 QAM	1@104	19.68	20.09	22.90	17.96	0.0625
77	15	20	647334	3710.01	DFT-s-OFDM 256 QAM	50@25	18.24	18.21	21.24	16.30	0.0426
77	15	20	647334	3710.01	DFT-s-OFDM 256 QAM	1@1	18.16	18.06	21.12	16.18	0.0415
77	15	20	647334	3710.01	DFT-s-OFDM 256 QAM	1@104	18.18	18.25	21.23	16.29	0.0425
77	15	20	647334	3710.01	CP-OFDM QPSK	53@26	21.35	21.53	24.45	19.51	0.0894
77	15	20	647334	3710.01	CP-OFDM QPSK	1@1	21.34	21.31	24.34	19.40	0.0870
77	15	20	647334	3710.01	CP-OFDM QPSK	1@104	21.52	21.16	24.35	19.41	0.0874
77	15	20	656000	3840	DFT-s-OFDM PI/2 BPSK	50@25	22.77	22.91	25.85	20.91	0.1233
77	15	20	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	22.75	22.83	25.80	20.86	0.1219
77	15	20	656000	3840	DFT-s-OFDM PI/2 BPSK	1@104	22.71	22.99	25.86	20.92	0.1237

77	15	20	656000	3840	DFT-s-OFDM QPSK	50@25	22.78	22.95	25.88	20.94	0.1241
77	15	20	656000	3840	DFT-s-OFDM QPSK	1@1	22.73	22.81	25.78	20.84	0.1214
77	15	20	656000	3840	DFT-s-OFDM QPSK	1@104	22.67	23.05	25.87	20.93	0.1240
77	15	20	656000	3840	DFT-s-OFDM 16 QAM	50@25	21.73	21.94	24.85	19.91	0.0979
77	15	20	656000	3840	DFT-s-OFDM 16 QAM	1@1	21.6	21.85	24.74	19.80	0.0954
77	15	20	656000	3840	DFT-s-OFDM 16 QAM	1@104	21.72	21.87	24.81	19.87	0.0970
77	15	20	656000	3840	DFT-s-OFDM 64 QAM	50@25	20.23	20.47	23.36	18.42	0.0695
77	15	20	656000	3840	DFT-s-OFDM 64 QAM	1@1	20.42	20.07	23.26	18.32	0.0679
77	15	20	656000	3840	DFT-s-OFDM 64 QAM	1@104	20.32	20.72	23.53	18.59	0.0724
77	15	20	656000	3840	DFT-s-OFDM 256 QAM	50@25	18.16	18.36	21.27	16.33	0.0430
77	15	20	656000	3840	DFT-s-OFDM 256 QAM	1@1	18.12	18.29	21.22	16.28	0.0424
77	15	20	656000	3840	DFT-s-OFDM 256 QAM	1@104	18.06	18.4	21.24	16.30	0.0427
77	15	20	656000	3840	CP-OFDM QPSK	53@26	21.22	21.42	24.33	19.39	0.0869
77	15	20	656000	3840	CP-OFDM QPSK	1@1	21.21	21.3	24.27	19.33	0.0856
77	15	20	656000	3840	CP-OFDM QPSK	1@104	21.16	21.48	24.33	19.39	0.0870
77	15	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	50@25	21.72	21.95	24.85	19.91	0.0979
77	15	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	1@1	22.88	22.53	25.72	20.78	0.1196
77	15	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	1@104	23.05	22.84	25.96	21.02	0.1264
77	15	20	664666	3969.99	DFT-s-OFDM QPSK	50@25	22.98	22.69	25.85	20.91	0.1232
77	15	20	664666	3969.99	DFT-s-OFDM QPSK	1@1	22.98	22.5	25.76	20.82	0.1207
77	15	20	664666	3969.99	DFT-s-OFDM QPSK	1@104	22.91	22.69	25.81	20.87	0.1222
77	15	20	664666	3969.99	DFT-s-OFDM 16 QAM	50@25	22.04	21.59	24.83	19.89	0.0975
77	15	20	664666	3969.99	DFT-s-OFDM 16 QAM	1@1	21.8	21.37	24.60	19.66	0.0925
77	15	20	664666	3969.99	DFT-s-OFDM 16 QAM	1@104	21.88	21.64	24.77	19.83	0.0962
77	15	20	664666	3969.99	DFT-s-OFDM 64 QAM	50@25	20.58	20.14	23.38	18.44	0.0698
77	15	20	664666	3969.99	DFT-s-OFDM 64 QAM	1@1	20.23	19.84	23.05	18.11	0.0647
77	15	20	664666	3969.99	DFT-s-OFDM 64 QAM	1@104	20.22	20.53	23.39	18.45	0.0700
77	15	20	664666	3969.99	DFT-s-OFDM 256 QAM	50@25	18.43	18.05	21.25	16.31	0.0428
77	15	20	664666	3969.99	DFT-s-OFDM 256 QAM	1@1	18.32	17.93	21.14	16.20	0.0417
77	15	20	664666	3969.99	DFT-s-OFDM 256 QAM	1@104	18.42	18.21	21.33	16.39	0.0435
77	15	20	664666	3969.99	CP-OFDM QPSK	53@26	21.35	21.42	24.40	19.46	0.0882
77	15	20	664666	3969.99	CP-OFDM QPSK	1@1	21.4	21.03	24.23	19.29	0.0849
77	15	20	664666	3969.99	CP-OFDM QPSK	1@104	21.49	21.3	24.41	19.47	0.0884
77	15	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	64@32	22.19	22.29	25.25	20.31	0.1074

77	15	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	1@1	22.76	22.74	25.76	20.82	0.1208
77	15	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	1@131	22.64	22.79	25.73	20.79	0.1198
77	15	25	647500	3712.5	DFT-s-OFDM QPSK	64@32	22.74	22.77	25.77	20.83	0.1209
77	15	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	22.69	22.66	25.69	20.75	0.1187
77	15	25	647500	3712.5	DFT-s-OFDM QPSK	1@131	22.69	22.71	25.71	20.77	0.1194
77	15	25	647500	3712.5	DFT-s-OFDM 16 QAM	64@32	21.71	21.7	24.72	19.78	0.0950
77	15	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	21.8	21.64	24.73	19.79	0.0953
77	15	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@131	21.6	21.8	24.71	19.77	0.0949
77	15	25	647500	3712.5	DFT-s-OFDM 64 QAM	64@32	20.19	20.17	23.19	18.25	0.0668
77	15	25	647500	3712.5	DFT-s-OFDM 64 QAM	1@1	20.45	19.97	23.23	18.29	0.0674
77	15	25	647500	3712.5	DFT-s-OFDM 64 QAM	1@131	20.41	20.52	23.48	18.54	0.0714
77	15	25	647500	3712.5	DFT-s-OFDM 256 QAM	64@32	18.14	18.2	21.18	16.24	0.0421
77	15	25	647500	3712.5	DFT-s-OFDM 256 QAM	1@1	18.1	18.18	21.15	16.21	0.0418
77	15	25	647500	3712.5	DFT-s-OFDM 256 QAM	1@131	18.04	18.27	21.17	16.23	0.0419
77	15	25	647500	3712.5	CP-OFDM QPSK	67@33	21.32	21.34	24.34	19.40	0.0871
77	15	25	647500	3712.5	CP-OFDM QPSK	1@1	21.2	21.35	24.29	19.35	0.0860
77	15	25	647500	3712.5	CP-OFDM QPSK	1@131	21.2	21.24	24.23	19.29	0.0849
77	15	25	656000	3840	DFT-s-OFDM PI/2 BPSK	64@32	22.65	22.88	25.78	20.84	0.1213
77	15	25	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	22.69	22.86	25.79	20.85	0.1215
77	15	25	656000	3840	DFT-s-OFDM PI/2 BPSK	1@131	22.57	23.05	25.83	20.89	0.1227
77	15	25	656000	3840	DFT-s-OFDM QPSK	64@32	22.65	22.91	25.79	20.85	0.1217
77	15	25	656000	3840	DFT-s-OFDM QPSK	1@1	22.71	22.8	25.77	20.83	0.1209
77	15	25	656000	3840	DFT-s-OFDM QPSK	1@131	22.56	23.02	25.81	20.87	0.1221
77	15	25	656000	3840	DFT-s-OFDM 16 QAM	64@32	21.6	21.87	24.75	19.81	0.0957
77	15	25	656000	3840	DFT-s-OFDM 16 QAM	1@1	21.77	21.93	24.86	19.92	0.0982
77	15	25	656000	3840	DFT-s-OFDM 16 QAM	1@131	21.62	22	24.82	19.88	0.0974
77	15	25	656000	3840	DFT-s-OFDM 64 QAM	64@32	20.15	20.38	23.28	18.34	0.0682
77	15	25	656000	3840	DFT-s-OFDM 64 QAM	1@1	20.05	20.15	23.11	18.17	0.0656
77	15	25	656000	3840	DFT-s-OFDM 64 QAM	1@131	20.33	20.36	23.36	18.42	0.0694
77	15	25	656000	3840	DFT-s-OFDM 256 QAM	64@32	18.11	18.03	21.08	16.14	0.0411
77	15	25	656000	3840	DFT-s-OFDM 256 QAM	1@1	18.17	18.32	21.26	16.32	0.0428
77	15	25	656000	3840	DFT-s-OFDM 256 QAM	1@131	18.06	18.48	21.29	16.35	0.0431
77	15	25	656000	3840	CP-OFDM QPSK	67@33	21.25	21.35	24.31	19.37	0.0865
77	15	25	656000	3840	CP-OFDM QPSK	1@1	21.25	21.39	24.33	19.39	0.0869

77	15	25	656000	3840	CP-OFDM QPSK	1@131	21.05	21.58	24.33	19.39	0.0870
77	15	25	664500	3967.5	DFT-s-OFDM PI/2 BPSK	64@32	22.89	22.61	25.76	20.82	0.1209
77	15	25	664500	3967.5	DFT-s-OFDM PI/2 BPSK	1@1	22.94	22.53	25.75	20.81	0.1205
77	15	25	664500	3967.5	DFT-s-OFDM PI/2 BPSK	1@131	22.99	22.85	25.93	20.99	0.1256
77	15	25	664500	3967.5	DFT-s-OFDM QPSK	64@32	22.95	22.59	25.78	20.84	0.1215
77	15	25	664500	3967.5	DFT-s-OFDM QPSK	1@1	22.8	22.42	25.62	20.68	0.1171
77	15	25	664500	3967.5	DFT-s-OFDM QPSK	1@131	22.86	22.82	25.85	20.91	0.1233
77	15	25	664500	3967.5	DFT-s-OFDM 16 QAM	64@32	21.97	21.56	24.78	19.84	0.0964
77	15	25	664500	3967.5	DFT-s-OFDM 16 QAM	1@1	21.8	21.38	24.61	19.67	0.0926
77	15	25	664500	3967.5	DFT-s-OFDM 16 QAM	1@131	21.8	21.74	24.78	19.84	0.0964
77	15	25	664500	3967.5	DFT-s-OFDM 64 QAM	64@32	20.36	20.06	23.22	18.28	0.0673
77	15	25	664500	3967.5	DFT-s-OFDM 64 QAM	1@1	20.13	20.24	23.20	18.26	0.0669
77	15	25	664500	3967.5	DFT-s-OFDM 64 QAM	1@131	20.26	20.07	23.18	18.24	0.0666
77	15	25	664500	3967.5	DFT-s-OFDM 256 QAM	64@32	18.23	18.24	21.25	16.31	0.0427
77	15	25	664500	3967.5	DFT-s-OFDM 256 QAM	1@1	18.35	17.92	21.15	16.21	0.0418
77	15	25	664500	3967.5	DFT-s-OFDM 256 QAM	1@131	18.45	18.29	21.38	16.44	0.0441
77	15	25	664500	3967.5	CP-OFDM QPSK	67@33	21.34	21.22	24.29	19.35	0.0861
77	15	25	664500	3967.5	CP-OFDM QPSK	1@1	21.32	21.24	24.29	19.35	0.0861
77	15	25	664500	3967.5	CP-OFDM QPSK	1@131	21.51	21.4	24.47	19.53	0.0897
77	15	30	647667	3715.005	DFT-s-OFDM PI/2 BPSK	80@40	22.26	22.35	25.32	20.38	0.1090
77	15	30	647667	3715.005	DFT-s-OFDM PI/2 BPSK	1@1	22.84	22.77	25.82	20.88	0.1223
77	15	30	647667	3715.005	DFT-s-OFDM PI/2 BPSK	1@158	22.72	22.89	25.82	20.88	0.1224
77	15	30	647667	3715.005	DFT-s-OFDM QPSK	80@40	22.79	22.85	25.83	20.89	0.1228
77	15	30	647667	3715.005	DFT-s-OFDM QPSK	1@1	22.73	22.76	25.76	20.82	0.1207
77	15	30	647667	3715.005	DFT-s-OFDM QPSK	1@158	22.62	22.85	25.75	20.81	0.1204
77	15	30	647667	3715.005	DFT-s-OFDM 16 QAM	80@40	21.82	21.88	24.86	19.92	0.0982
77	15	30	647667	3715.005	DFT-s-OFDM 16 QAM	1@1	21.72	21.62	24.68	19.74	0.0942
77	15	30	647667	3715.005	DFT-s-OFDM 16 QAM	1@158	21.66	21.81	24.75	19.81	0.0956
77	15	30	647667	3715.005	DFT-s-OFDM 64 QAM	80@40	20.33	20.32	23.34	18.40	0.0691
77	15	30	647667	3715.005	DFT-s-OFDM 64 QAM	1@1	20.02	20.02	23.03	18.09	0.0644
77	15	30	647667	3715.005	DFT-s-OFDM 64 QAM	1@158	20.03	20.53	23.30	18.36	0.0685
77	15	30	647667	3715.005	DFT-s-OFDM 256 QAM	80@40	18.42	18.32	21.38	16.44	0.0441
77	15	30	647667	3715.005	DFT-s-OFDM 256 QAM	1@1	18.04	18.18	21.12	16.18	0.0415
77	15	30	647667	3715.005	DFT-s-OFDM 256 QAM	1@158	18.01	18.26	21.15	16.21	0.0418

77	15	30	647667	3715.005	CP-OFDM QPSK	80@40	21.29	21.34	24.33	19.39	0.0868
77	15	30	647667	3715.005	CP-OFDM QPSK	1@1	21.25	21.4	24.34	19.40	0.0870
77	15	30	647667	3715.005	CP-OFDM QPSK	1@158	21.26	21.55	24.42	19.48	0.0887
77	15	30	656000	3840	DFT-s-OFDM PI/2 BPSK	80@40	22.74	23.04	25.90	20.96	0.1248
77	15	30	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	22.85	22.94	25.91	20.97	0.1249
77	15	30	656000	3840	DFT-s-OFDM PI/2 BPSK	1@158	22.64	23.12	25.90	20.96	0.1247
77	15	30	656000	3840	DFT-s-OFDM QPSK	80@40	22.72	22.99	25.87	20.93	0.1238
77	15	30	656000	3840	DFT-s-OFDM QPSK	1@1	22.7	22.83	25.78	20.84	0.1212
77	15	30	656000	3840	DFT-s-OFDM QPSK	1@158	22.56	23.14	25.87	20.93	0.1239
77	15	30	656000	3840	DFT-s-OFDM 16 QAM	80@40	21.72	22.02	24.88	19.94	0.0987
77	15	30	656000	3840	DFT-s-OFDM 16 QAM	1@1	21.68	21.83	24.77	19.83	0.0961
77	15	30	656000	3840	DFT-s-OFDM 16 QAM	1@158	21.61	21.9	24.77	19.83	0.0961
77	15	30	656000	3840	DFT-s-OFDM 64 QAM	80@40	20.21	20.49	23.36	18.42	0.0695
77	15	30	656000	3840	DFT-s-OFDM 64 QAM	1@1	20.04	20.25	23.16	18.22	0.0663
77	15	30	656000	3840	DFT-s-OFDM 64 QAM	1@158	19.96	20.4	23.20	18.26	0.0669
77	15	30	656000	3840	DFT-s-OFDM 256 QAM	80@40	18.18	18.49	21.35	16.41	0.0437
77	15	30	656000	3840	DFT-s-OFDM 256 QAM	1@1	18.06	18.28	21.18	16.24	0.0421
77	15	30	656000	3840	DFT-s-OFDM 256 QAM	1@158	18.05	18.43	21.25	16.31	0.0428
77	15	30	656000	3840	CP-OFDM QPSK	80@40	21.23	21.52	24.39	19.45	0.0881
77	15	30	656000	3840	CP-OFDM QPSK	1@1	21.37	21.31	24.35	19.41	0.0873
77	15	30	656000	3840	CP-OFDM QPSK	1@158	21.12	21.8	24.48	19.54	0.0900
77	15	30	664332	3964.98	DFT-s-OFDM PI/2 BPSK	80@40	22.91	22.61	25.77	20.83	0.1211
77	15	30	664332	3964.98	DFT-s-OFDM PI/2 BPSK	1@1	22.79	22.46	25.64	20.70	0.1174
77	15	30	664332	3964.98	DFT-s-OFDM PI/2 BPSK	1@158	22.97	22.8	25.90	20.96	0.1246
77	15	30	664332	3964.98	DFT-s-OFDM QPSK	80@40	22.95	22.6	25.79	20.85	0.1216
77	15	30	664332	3964.98	DFT-s-OFDM QPSK	1@1	22.8	22.39	25.61	20.67	0.1167
77	15	30	664332	3964.98	DFT-s-OFDM QPSK	1@158	22.88	22.75	25.83	20.89	0.1226
77	15	30	664332	3964.98	DFT-s-OFDM 16 QAM	80@40	21.91	21.59	24.76	19.82	0.0960
77	15	30	664332	3964.98	DFT-s-OFDM 16 QAM	1@1	21.65	21.38	24.53	19.59	0.0909
77	15	30	664332	3964.98	DFT-s-OFDM 16 QAM	1@158	21.73	21.62	24.69	19.75	0.0943
77	15	30	664332	3964.98	DFT-s-OFDM 64 QAM	80@40	20.42	20.03	23.24	18.30	0.0676
77	15	30	664332	3964.98	DFT-s-OFDM 64 QAM	1@1	20.51	19.72	23.14	18.20	0.0661
77	15	30	664332	3964.98	DFT-s-OFDM 64 QAM	1@158	20.65	19.98	23.34	18.40	0.0692
77	15	30	664332	3964.98	DFT-s-OFDM 256 QAM	80@40	18.09	18.25	21.18	16.24	0.0421

77	15	30	664332	3964.98	DFT-s-OFDM 256 QAM	1@1	18.13	17.87	21.01	16.07	0.0405
77	15	30	664332	3964.98	DFT-s-OFDM 256 QAM	1@158	18.33	18.13	21.24	16.30	0.0427
77	15	30	664332	3964.98	CP-OFDM QPSK	80@40	21.34	21.42	24.39	19.45	0.0881
77	15	30	664332	3964.98	CP-OFDM QPSK	1@1	21.52	21.35	24.45	19.51	0.0893
77	15	30	664332	3964.98	CP-OFDM QPSK	1@158	21.59	21.27	24.44	19.50	0.0892
77	15	40	648000	3720	DFT-s-OFDM PI/2 BPSK	108@54	21.95	21.53	24.76	19.82	0.0958
77	15	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@1	22.2	22.39	25.31	20.37	0.1088
77	15	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@214	22.75	22.81	25.79	20.85	0.1216
77	15	40	648000	3720	DFT-s-OFDM QPSK	108@54	22.76	22.83	25.81	20.87	0.1221
77	15	40	648000	3720	DFT-s-OFDM QPSK	1@1	22.69	22.76	25.74	20.80	0.1201
77	15	40	648000	3720	DFT-s-OFDM QPSK	1@214	22.73	22.79	25.77	20.83	0.1211
77	15	40	648000	3720	DFT-s-OFDM 16 QAM	108@54	21.77	21.83	24.81	19.87	0.0971
77	15	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	21.71	21.68	24.71	19.77	0.0947
77	15	40	648000	3720	DFT-s-OFDM 16 QAM	1@214	21.64	21.73	24.70	19.76	0.0945
77	15	40	648000	3720	DFT-s-OFDM 64 QAM	108@54	20.27	20.33	23.31	18.37	0.0687
77	15	40	648000	3720	DFT-s-OFDM 64 QAM	1@1	20.05	20.49	23.29	18.35	0.0683
77	15	40	648000	3720	DFT-s-OFDM 64 QAM	1@214	20.05	19.72	22.90	17.96	0.0625
77	15	40	648000	3720	DFT-s-OFDM 256 QAM	108@54	18.43	18.25	21.35	16.41	0.0438
77	15	40	648000	3720	DFT-s-OFDM 256 QAM	1@1	18.19	18.19	21.20	16.26	0.0423
77	15	40	648000	3720	DFT-s-OFDM 256 QAM	1@214	18.08	18.27	21.19	16.25	0.0421
77	15	40	648000	3720	CP-OFDM QPSK	108@54	21.32	21.25	24.30	19.36	0.0862
77	15	40	648000	3720	CP-OFDM QPSK	1@1	21.26	21.29	24.29	19.35	0.0860
77	15	40	648000	3720	CP-OFDM QPSK	1@214	21.11	21.36	24.25	19.31	0.0853
77	15	40	656000	3840	DFT-s-OFDM PI/2 BPSK	108@54	22.72	23.04	25.89	20.95	0.1245
77	15	40	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	22.77	22.83	25.81	20.87	0.1222
77	15	40	656000	3840	DFT-s-OFDM PI/2 BPSK	1@214	22.67	23.14	25.92	20.98	0.1254
77	15	40	656000	3840	DFT-s-OFDM QPSK	108@54	22.73	23.05	25.90	20.96	0.1248
77	15	40	656000	3840	DFT-s-OFDM QPSK	1@1	22.82	22.76	25.80	20.86	0.1219
77	15	40	656000	3840	DFT-s-OFDM QPSK	1@214	22.63	23.1	25.88	20.94	0.1242
77	15	40	656000	3840	DFT-s-OFDM 16 QAM	108@54	21.69	22.04	24.88	19.94	0.0986
77	15	40	656000	3840	DFT-s-OFDM 16 QAM	1@1	21.75	21.8	24.79	19.85	0.0965
77	15	40	656000	3840	DFT-s-OFDM 16 QAM	1@214	21.43	22.12	24.80	19.86	0.0968
77	15	40	656000	3840	DFT-s-OFDM 64 QAM	108@54	20.19	20.52	23.37	18.43	0.0696
77	15	40	656000	3840	DFT-s-OFDM 64 QAM	1@1	20.01	20.09	23.06	18.12	0.0649

77	15	40	656000	3840	DFT-s-OFDM 64 QAM	1@214	19.96	20.8	23.41	18.47	0.0703
77	15	40	656000	3840	DFT-s-OFDM 256 QAM	108@54	18.34	18.42	21.39	16.45	0.0442
77	15	40	656000	3840	DFT-s-OFDM 256 QAM	1@1	18.27	18.29	21.29	16.35	0.0432
77	15	40	656000	3840	DFT-s-OFDM 256 QAM	1@214	18.07	18.57	21.34	16.40	0.0436
77	15	40	656000	3840	CP-OFDM QPSK	108@54	21.42	21.35	24.40	19.46	0.0882
77	15	40	656000	3840	CP-OFDM QPSK	1@1	21.25	21.52	24.40	19.46	0.0883
77	15	40	656000	3840	CP-OFDM QPSK	1@214	21.09	21.63	24.38	19.44	0.0879
77	15	40	664000	3960	DFT-s-OFDM PI/2 BPSK	108@54	22.89	22.63	25.77	20.83	0.1211
77	15	40	664000	3960	DFT-s-OFDM PI/2 BPSK	1@1	22.88	22.53	25.72	20.78	0.1196
77	15	40	664000	3960	DFT-s-OFDM PI/2 BPSK	1@214	23	22.84	25.93	20.99	0.1256
77	15	40	664000	3960	DFT-s-OFDM QPSK	108@54	22.95	22.63	25.80	20.86	0.1220
77	15	40	664000	3960	DFT-s-OFDM QPSK	1@1	22.77	22.41	25.60	20.66	0.1165
77	15	40	664000	3960	DFT-s-OFDM QPSK	1@214	23.01	22.76	25.90	20.96	0.1247
77	15	40	664000	3960	DFT-s-OFDM 16 QAM	108@54	21.94	21.56	24.76	19.82	0.0960
77	15	40	664000	3960	DFT-s-OFDM 16 QAM	1@1	21.65	21.29	24.48	19.54	0.0900
77	15	40	664000	3960	DFT-s-OFDM 16 QAM	1@214	21.78	21.77	24.79	19.85	0.0965
77	15	40	664000	3960	DFT-s-OFDM 64 QAM	108@54	20.49	20.1	23.31	18.37	0.0687
77	15	40	664000	3960	DFT-s-OFDM 64 QAM	1@1	20.58	19.84	23.24	18.30	0.0675
77	15	40	664000	3960	DFT-s-OFDM 64 QAM	1@214	20.53	20.56	23.56	18.62	0.0727
77	15	40	664000	3960	DFT-s-OFDM 256 QAM	108@54	18.24	18.24	21.25	16.31	0.0428
77	15	40	664000	3960	DFT-s-OFDM 256 QAM	1@1	18.24	17.93	21.10	16.16	0.0413
77	15	40	664000	3960	DFT-s-OFDM 256 QAM	1@214	18.43	18.26	21.36	16.42	0.0438
77	15	40	664000	3960	CP-OFDM QPSK	108@54	21.22	21.24	24.24	19.30	0.0851
77	15	40	664000	3960	CP-OFDM QPSK	1@1	21.31	21.06	24.20	19.26	0.0843
77	15	40	664000	3960	CP-OFDM QPSK	1@214	21.46	21.23	24.36	19.42	0.0874
77	15	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	135@67	22.34	22.51	25.44	20.50	0.1121
77	15	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@1	22.83	22.83	25.84	20.90	0.1230
77	15	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@268	22.9	22.92	25.92	20.98	0.1253
77	15	50	648334	3725.01	DFT-s-OFDM QPSK	135@67	22.83	22.91	25.88	20.94	0.1242
77	15	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	22.84	22.74	25.80	20.86	0.1219
77	15	50	648334	3725.01	DFT-s-OFDM QPSK	1@268	22.87	22.83	25.86	20.92	0.1236
77	15	50	648334	3725.01	DFT-s-OFDM 16 QAM	135@67	21.83	21.95	24.90	19.96	0.0991
77	15	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	21.56	21.55	24.57	19.63	0.0917
77	15	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@268	21.69	21.66	24.69	19.75	0.0943

77	15	50	648334	3725.01	DFT-s-OFDM 64 QAM	135@67	20.28	20.39	23.35	18.41	0.0693
77	15	50	648334	3725.01	DFT-s-OFDM 64 QAM	1@1	19.72	20.06	22.90	17.96	0.0626
77	15	50	648334	3725.01	DFT-s-OFDM 64 QAM	1@268	20.57	20.59	23.59	18.65	0.0733
77	15	50	648334	3725.01	DFT-s-OFDM 256 QAM	135@67	18.41	18.22	21.33	16.39	0.0435
77	15	50	648334	3725.01	DFT-s-OFDM 256 QAM	1@1	18.23	18.29	21.27	16.33	0.0430
77	15	50	648334	3725.01	DFT-s-OFDM 256 QAM	1@268	18.3	18.38	21.35	16.41	0.0438
77	15	50	648334	3725.01	CP-OFDM QPSK	135@67	21.32	21.24	24.29	19.35	0.0861
77	15	50	648334	3725.01	CP-OFDM QPSK	1@1	21.29	21.35	24.33	19.39	0.0869
77	15	50	648334	3725.01	CP-OFDM QPSK	1@268	21.39	21.44	24.43	19.49	0.0888
77	15	50	656000	3840	DFT-s-OFDM PI/2 BPSK	135@67	22.75	23.1	25.94	21.00	0.1259
77	15	50	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	22.84	22.79	25.83	20.89	0.1226
77	15	50	656000	3840	DFT-s-OFDM PI/2 BPSK	1@268	22.7	23.35	26.05	21.11	0.1290
77	15	50	656000	3840	DFT-s-OFDM QPSK	135@67	22.75	23.05	25.91	20.97	0.1251
77	15	50	656000	3840	DFT-s-OFDM QPSK	1@1	22.89	22.77	25.84	20.90	0.1230
77	15	50	656000	3840	DFT-s-OFDM QPSK	1@268	22.66	23.15	25.92	20.98	0.1254
77	15	50	656000	3840	DFT-s-OFDM 16 QAM	135@67	21.76	22.1	24.94	20.00	0.1001
77	15	50	656000	3840	DFT-s-OFDM 16 QAM	1@1	21.81	21.58	24.71	19.77	0.0948
77	15	50	656000	3840	DFT-s-OFDM 16 QAM	1@268	21.58	22.14	24.88	19.94	0.0986
77	15	50	656000	3840	DFT-s-OFDM 64 QAM	135@67	20.2	20.57	23.40	18.46	0.0701
77	15	50	656000	3840	DFT-s-OFDM 64 QAM	1@1	20.56	20.07	23.33	18.39	0.0691
77	15	50	656000	3840	DFT-s-OFDM 64 QAM	1@268	20.15	20.65	23.42	18.48	0.0704
77	15	50	656000	3840	DFT-s-OFDM 256 QAM	135@67	18.15	18.47	21.32	16.38	0.0435
77	15	50	656000	3840	DFT-s-OFDM 256 QAM	1@1	18.28	18.25	21.28	16.34	0.0430
77	15	50	656000	3840	DFT-s-OFDM 256 QAM	1@268	18.19	18.66	21.44	16.50	0.0447
77	15	50	656000	3840	CP-OFDM QPSK	135@67	21.42	21.34	24.39	19.45	0.0881
77	15	50	656000	3840	CP-OFDM QPSK	1@1	21.45	21.41	24.44	19.50	0.0891
77	15	50	656000	3840	CP-OFDM QPSK	1@268	21.53	21.53	24.54	19.60	0.0912
77	15	50	663666	3954.99	DFT-s-OFDM PI/2 BPSK	135@67	22.87	22.57	25.73	20.79	0.1200
77	15	50	663666	3954.99	DFT-s-OFDM PI/2 BPSK	1@1	22.77	22.53	25.66	20.72	0.1181
77	15	50	663666	3954.99	DFT-s-OFDM PI/2 BPSK	1@268	22.98	22.81	25.91	20.97	0.1249
77	15	50	663666	3954.99	DFT-s-OFDM QPSK	135@67	22.92	22.57	25.76	20.82	0.1207
77	15	50	663666	3954.99	DFT-s-OFDM QPSK	1@1	22.8	22.51	25.67	20.73	0.1182
77	15	50	663666	3954.99	DFT-s-OFDM QPSK	1@268	22.94	22.77	25.87	20.93	0.1238
77	15	50	663666	3954.99	DFT-s-OFDM 16 QAM	135@67	21.92	21.52	24.73	19.79	0.0954

77	15	50	663666	3954.99	DFT-s-OFDM 16 QAM	1@1	21.73	21.51	24.63	19.69	0.0931
77	15	50	663666	3954.99	DFT-s-OFDM 16 QAM	1@268	21.97	21.79	24.89	19.95	0.0989
77	15	50	663666	3954.99	DFT-s-OFDM 64 QAM	135@67	20.46	20.05	23.27	18.33	0.0681
77	15	50	663666	3954.99	DFT-s-OFDM 64 QAM	1@1	20.44	20.21	23.34	18.40	0.0691
77	15	50	663666	3954.99	DFT-s-OFDM 64 QAM	1@268	20.23	20	23.13	18.19	0.0659
77	15	50	663666	3954.99	DFT-s-OFDM 256 QAM	135@67	18.33	18.04	21.20	16.26	0.0422
77	15	50	663666	3954.99	DFT-s-OFDM 256 QAM	1@1	18.21	18.03	21.13	16.19	0.0416
77	15	50	663666	3954.99	DFT-s-OFDM 256 QAM	1@268	18.36	18.26	21.32	16.38	0.0435
77	15	50	663666	3954.99	CP-OFDM QPSK	135@67	21.34	21.25	24.31	19.37	0.0864
77	15	50	663666	3954.99	CP-OFDM QPSK	1@1	21.3	21.01	24.17	19.23	0.0837
77	15	50	663666	3954.99	CP-OFDM QPSK	1@268	21.22	21.23	24.24	19.30	0.0850

FR1 N77 SCS 15kHz (MIMO ANT3)

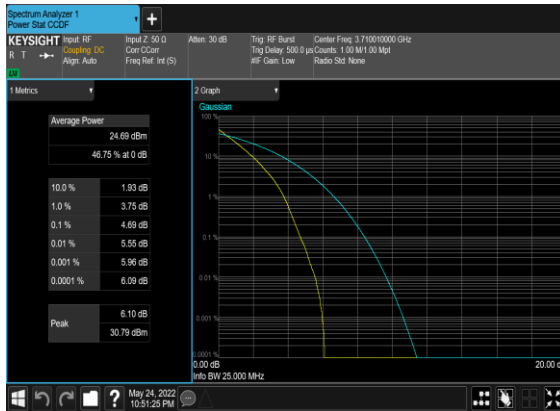
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	0.00496	PASS	NV
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	0.00485	PASS	LV
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	0.00551	PASS	HV
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	0.00654	PASS	-30°C
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	0.00226	PASS	-20°C
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	0.00216	PASS	-10°C
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	0.00268	PASS	0°C
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	0.00549	PASS	10°C
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	0.00421	PASS	20°C
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	0.00471	PASS	30°C
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	0.00286	PASS	40°C
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	0.00656	PASS	50°C

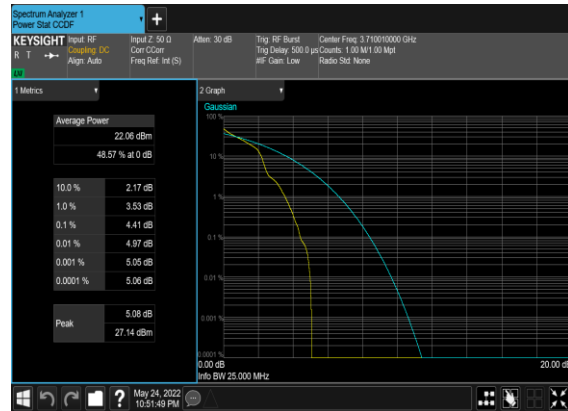
Peak to Average Radio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	15	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	100@0	4.69	13	PASS
77	15	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@0	4.41	13	PASS
77	15	20	647334	3710.01	DFT-s-OFDM QPSK	100@0	5.92	13	PASS
77	15	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	5.42	13	PASS
77	15	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	100@0	4.64	13	PASS
77	15	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	1@0	4.68	13	PASS
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	5.9	13	PASS
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	1@0	5.66	13	PASS
77	15	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	100@0	4.62	13	PASS
77	15	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	1@0	4.38	13	PASS
77	15	20	664666	3969.99	DFT-s-OFDM QPSK	100@0	5.99	13	PASS
77	15	20	664666	3969.99	DFT-s-OFDM QPSK	1@0	5.43	13	PASS

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



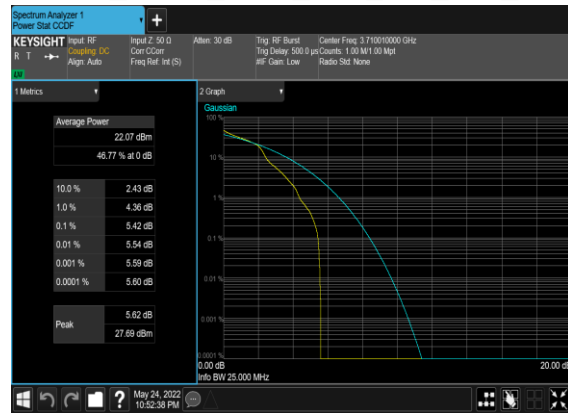
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



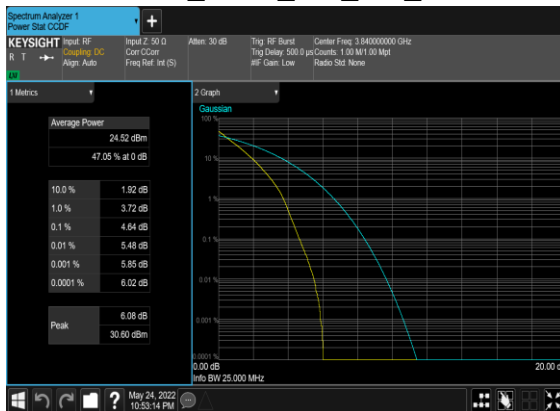
N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



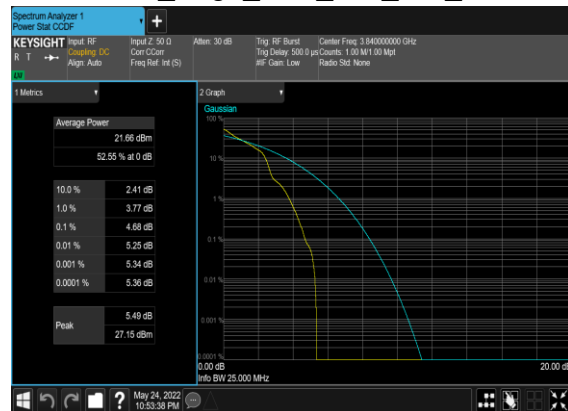
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



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



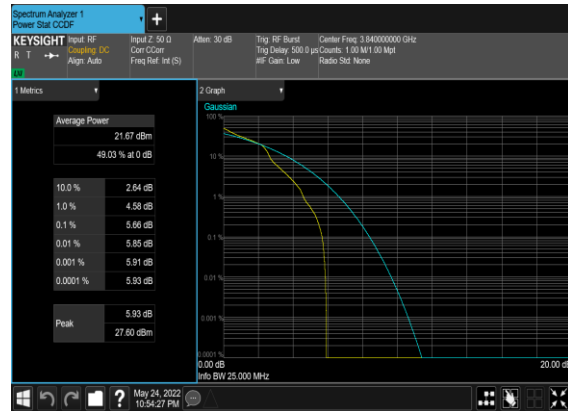
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



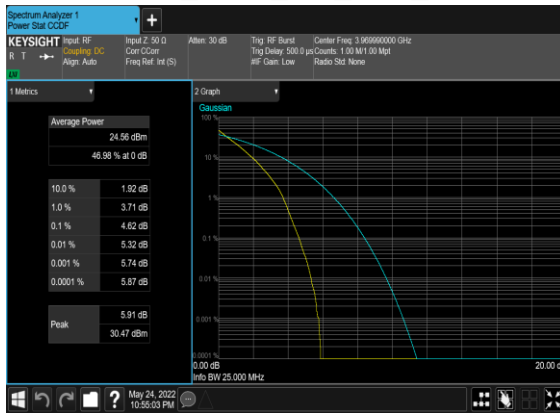
N77(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



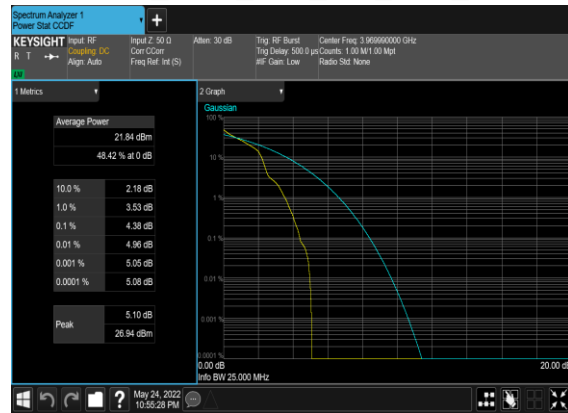
N77(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



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



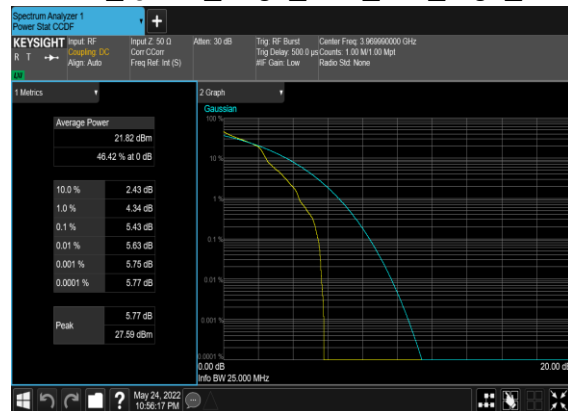
N77(20M)_DFT-s-OFDM_PI_2-
BPSK_Edge_1RB_Left_High_CH



N77(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



N77(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

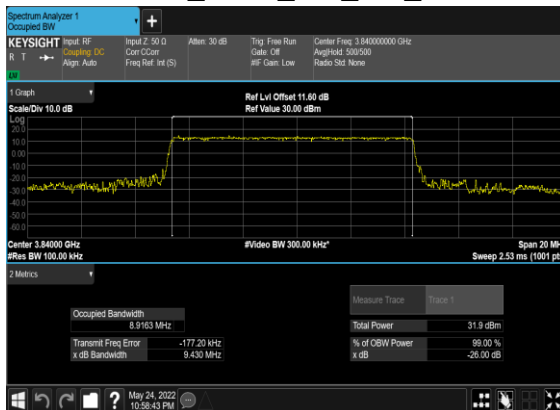


Occupied Bandwidth

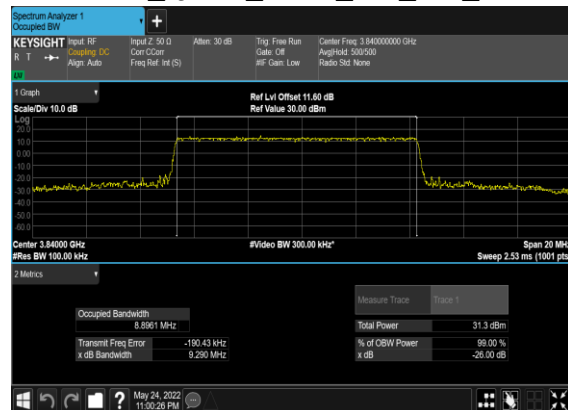
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
77	15	10	656000	3840.0	DFT-s-OFDM PI/2 BPSK	50@0	8.9163	9.43
77	15	10	656000	3840.0	DFT-s-OFDM QPSK	50@0	8.8961	9.29
77	15	10	656000	3840.0	CP-OFDM QPSK	52@0	9.2994	9.915
77	15	10	656000	3840.0	CP-OFDM 16 QAM	52@0	9.28	10.12
77	15	10	656000	3840.0	CP-OFDM 64 QAM	52@0	9.2734	9.821
77	15	10	656000	3840.0	CP-OFDM 256 QAM	52@0	9.2778	9.717
77	15	15	656000	3840.0	DFT-s-OFDM PI/2 BPSK	75@0	13.366	14.01
77	15	15	656000	3840.0	DFT-s-OFDM QPSK	75@0	13.383	13.99
77	15	15	656000	3840.0	CP-OFDM QPSK	79@0	14.118	14.66
77	15	15	656000	3840.0	CP-OFDM 16 QAM	79@0	14.092	14.75
77	15	15	656000	3840.0	CP-OFDM 64 QAM	79@0	14.099	14.68
77	15	15	656000	3840.0	CP-OFDM 256 QAM	79@0	14.111	14.7
77	15	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	100@0	17.882	18.62
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	17.898	18.48
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	18.919	19.63
77	15	20	656000	3840.0	CP-OFDM 16 QAM	106@0	18.894	22.66
77	15	20	656000	3840.0	CP-OFDM 64 QAM	106@0	18.883	19.65
77	15	20	656000	3840.0	CP-OFDM 256 QAM	106@0	18.921	19.8
77	15	25	656000	3840.0	DFT-s-OFDM PI/2 BPSK	128@0	22.837	23.6
77	15	25	656000	3840.0	DFT-s-OFDM QPSK	128@0	22.835	23.64
77	15	25	656000	3840.0	CP-OFDM QPSK	133@0	23.759	24.57
77	15	25	656000	3840.0	CP-OFDM 16 QAM	133@0	23.79	24.9
77	15	25	656000	3840.0	CP-OFDM 64 QAM	133@0	23.737	25.18
77	15	25	656000	3840.0	CP-OFDM 256 QAM	133@0	23.691	24.52
77	15	30	656000	3840.0	DFT-s-OFDM PI/2 BPSK	160@0	28.562	29.58

77	15	30	656000	3840.0	DFT-s-OFDM QPSK	160@0	28.622	29.71
77	15	30	656000	3840.0	CP-OFDM QPSK	160@0	28.543	29.65
77	15	30	656000	3840.0	CP-OFDM 16 QAM	160@0	28.57	29.6
77	15	30	656000	3840.0	CP-OFDM 64 QAM	160@0	28.506	29.63
77	15	30	656000	3840.0	CP-OFDM 256 QAM	160@0	28.574	29.91
77	15	40	656000	3840.0	DFT-s-OFDM PI/2 BPSK	216@0	38.525	39.88
77	15	40	656000	3840.0	DFT-s-OFDM QPSK	216@0	38.562	39.94
77	15	40	656000	3840.0	CP-OFDM QPSK	216@0	38.54	39.98
77	15	40	656000	3840.0	CP-OFDM 16 QAM	216@0	38.597	39.95
77	15	40	656000	3840.0	CP-OFDM 64 QAM	216@0	38.477	40.1
77	15	40	656000	3840.0	CP-OFDM 256 QAM	216@0	38.539	39.9
77	15	50	656000	3840.0	DFT-s-OFDM PI/2 BPSK	270@0	48.199	50.09
77	15	50	656000	3840.0	DFT-s-OFDM QPSK	270@0	48.181	49.82
77	15	50	656000	3840.0	CP-OFDM QPSK	270@0	48.194	49.8
77	15	50	656000	3840.0	CP-OFDM 16 QAM	270@0	48.114	49.75
77	15	50	656000	3840.0	CP-OFDM 64 QAM	270@0	48.146	49.99
77	15	50	656000	3840.0	CP-OFDM 256 QAM	270@0	48.107	49.84

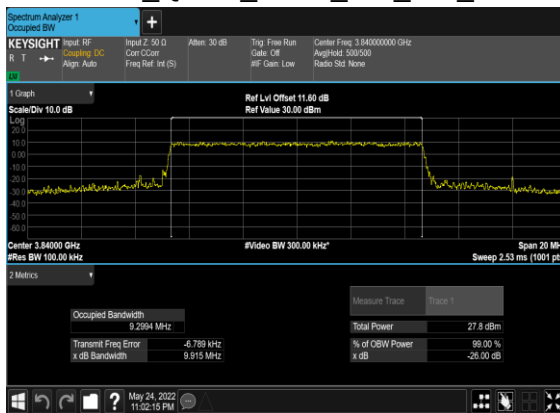
N77(10M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



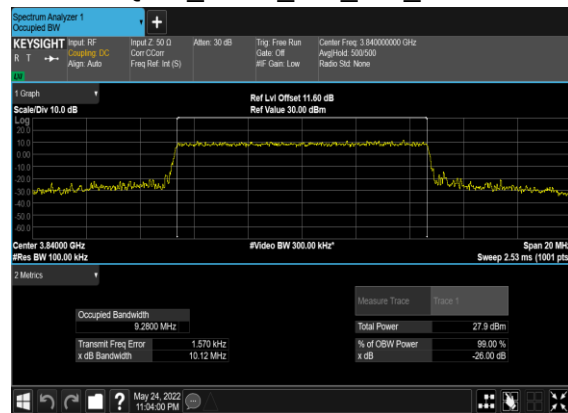
N77(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



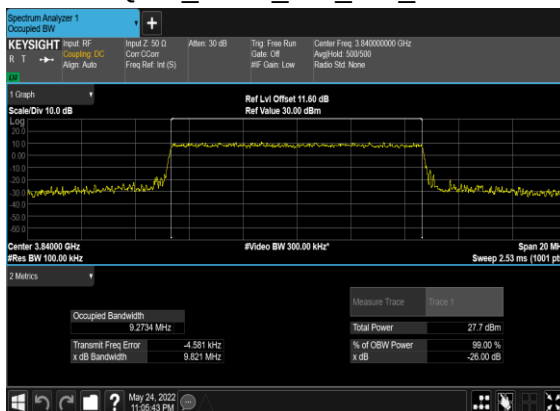
N77(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



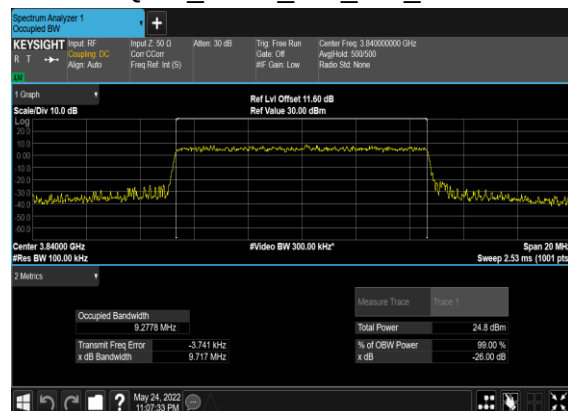
N77(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



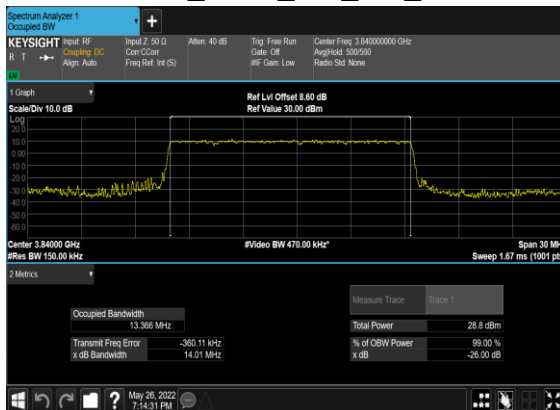
N77(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



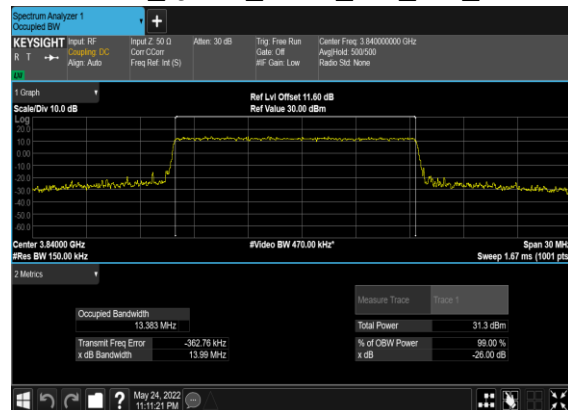
N77(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



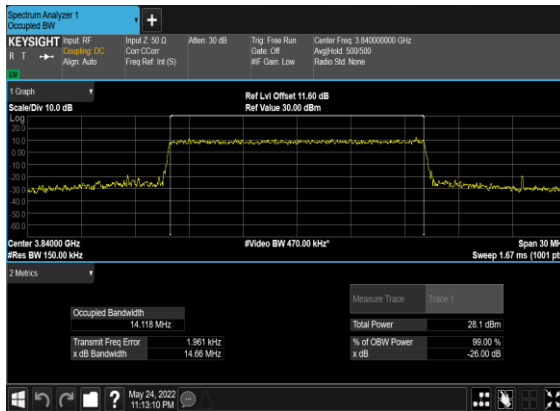
N77(15M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



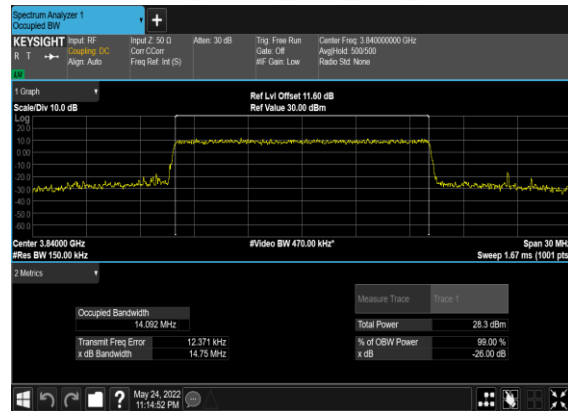
N77(15M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



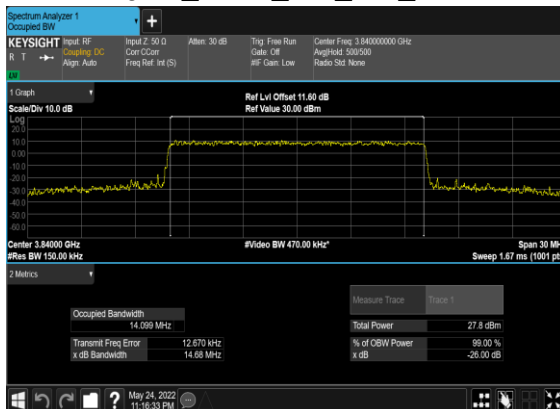
N77(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N77(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N77(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

