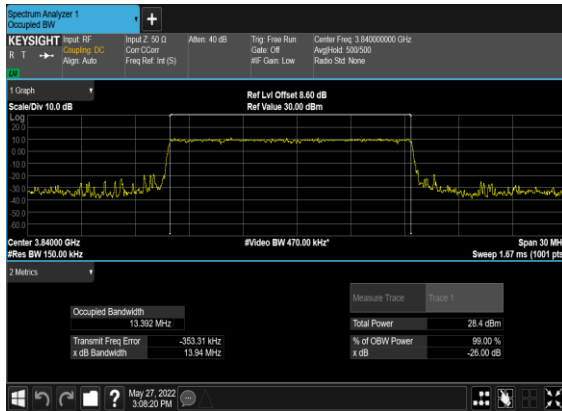
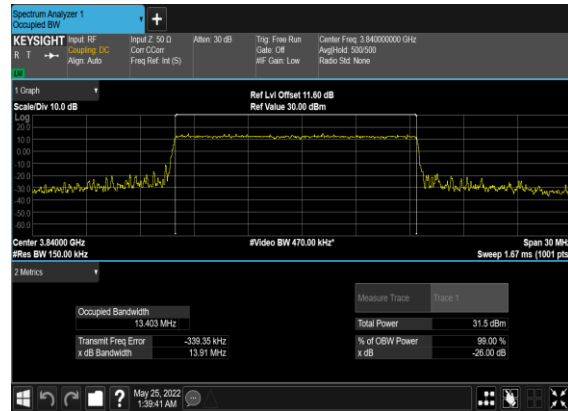


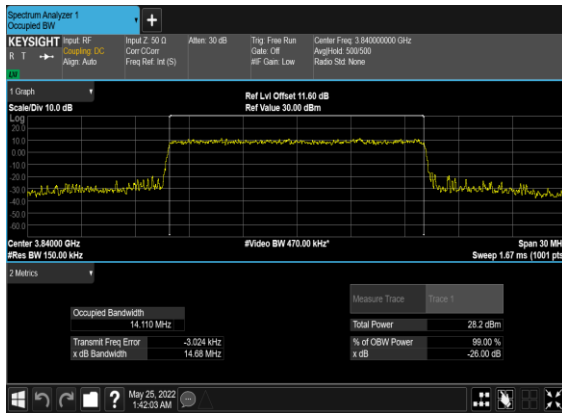
N77(15M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



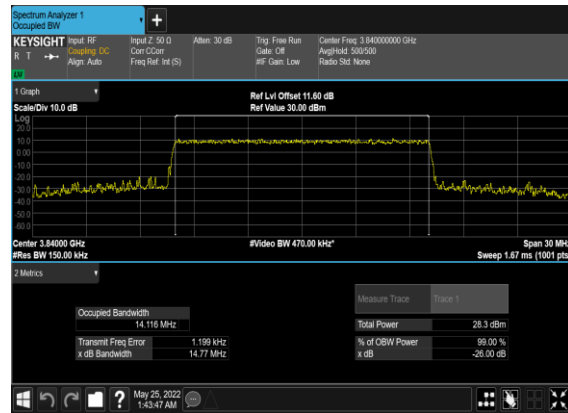
N77(15M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



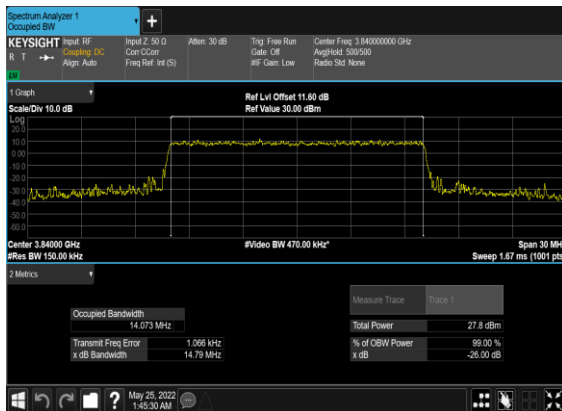
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OFDM_QPSK_Outer_Full_Mid_CH



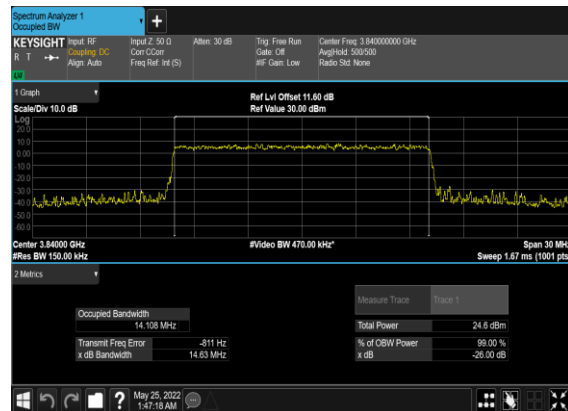
N77(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



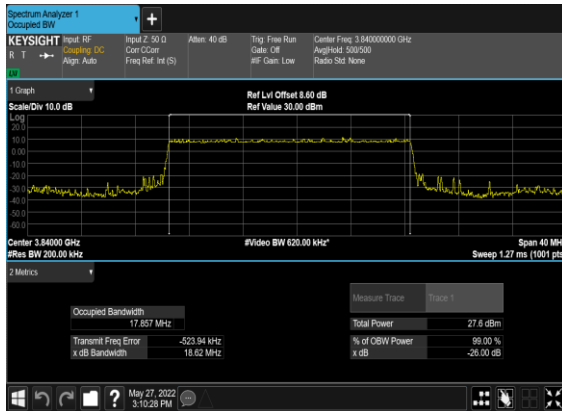
N77(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



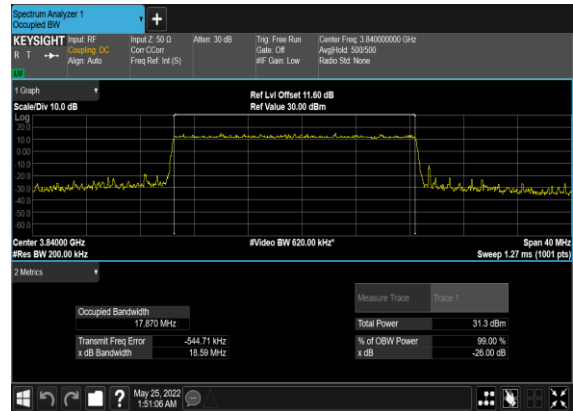
N77(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



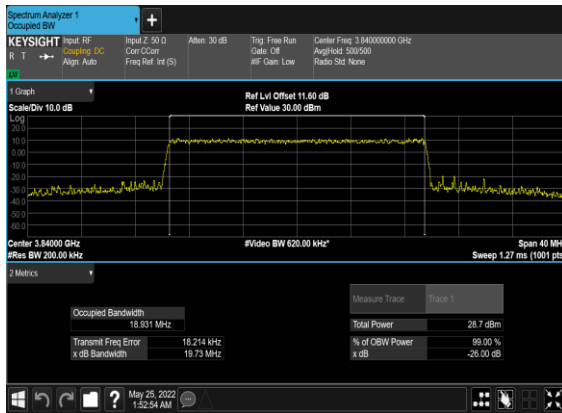
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



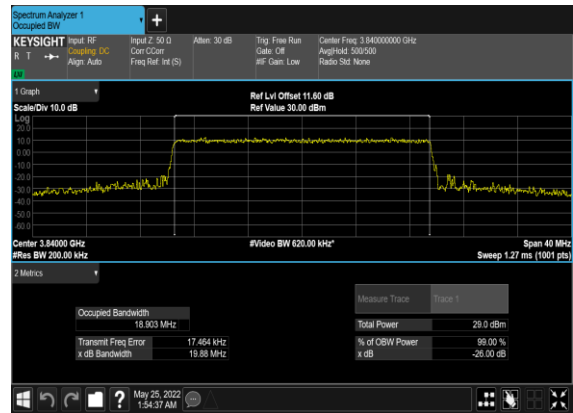
N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



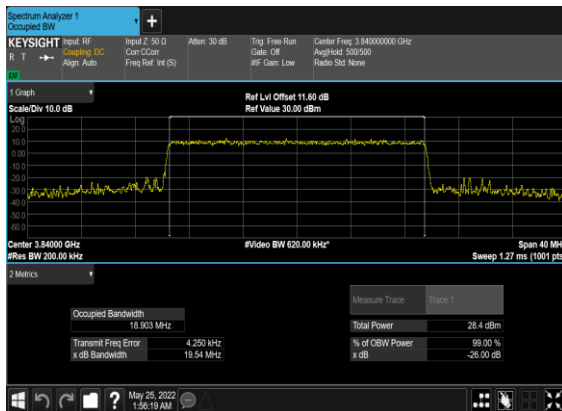
N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



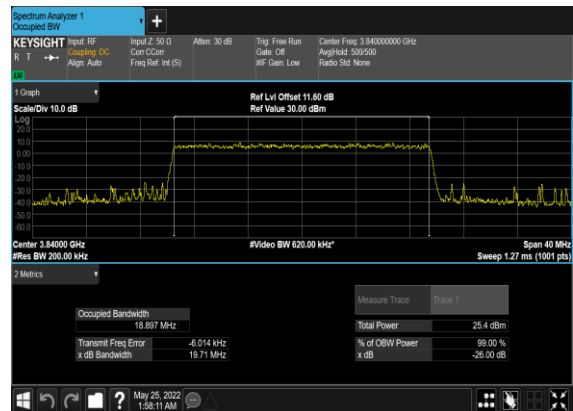
N77(20M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



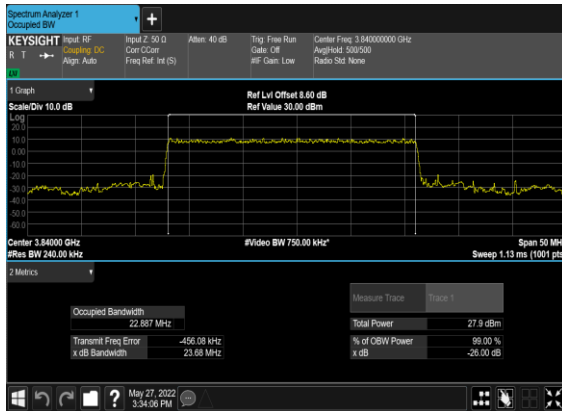
N77(20M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



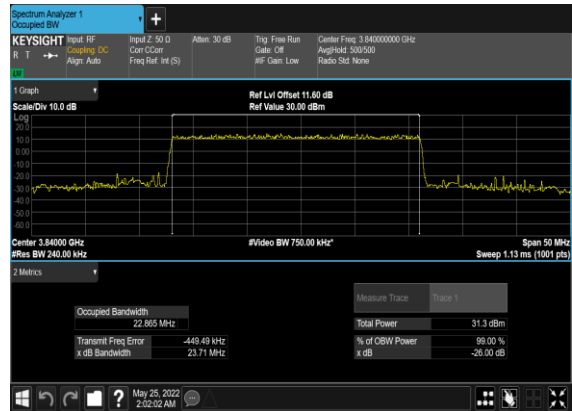
N77(20M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



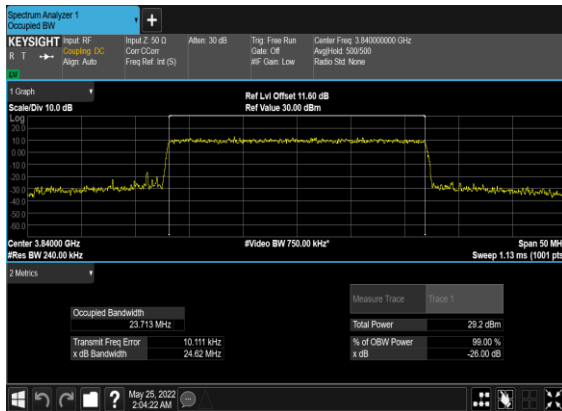
N77(25M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



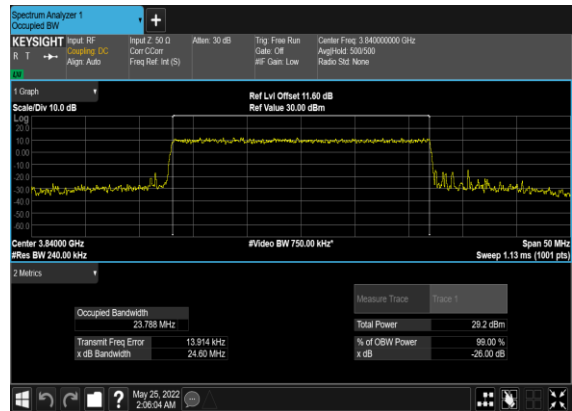
N77(25M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



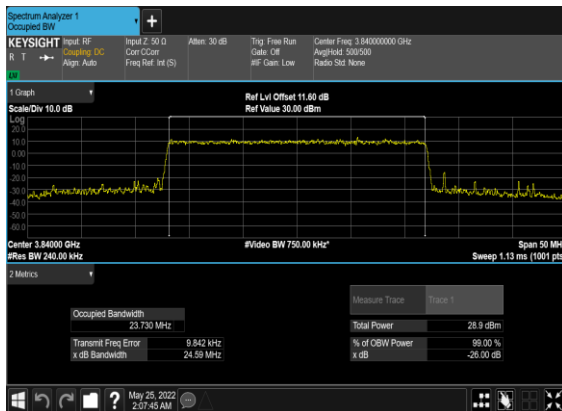
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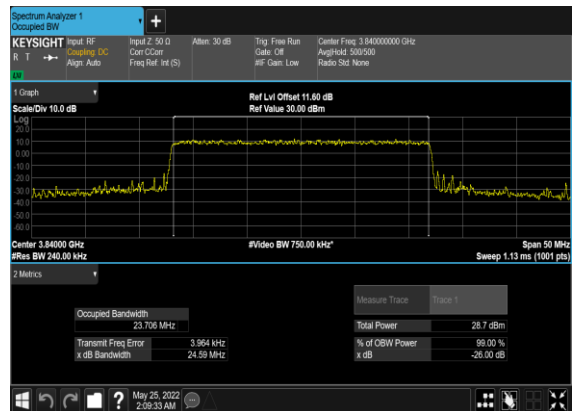
N77(25M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



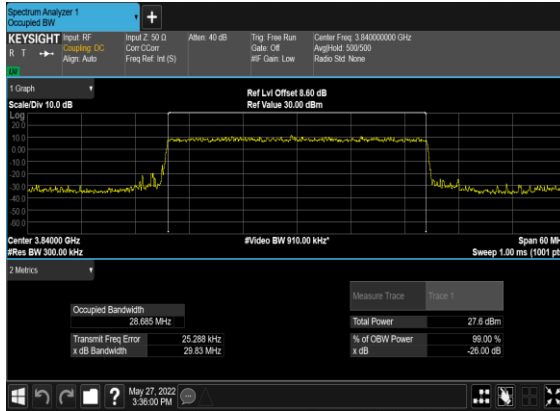
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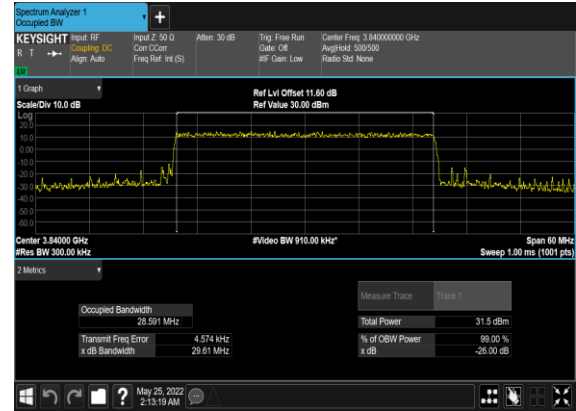
N77(25M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



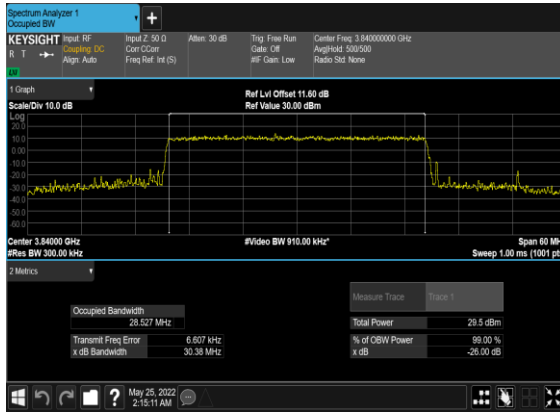
N77(30M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



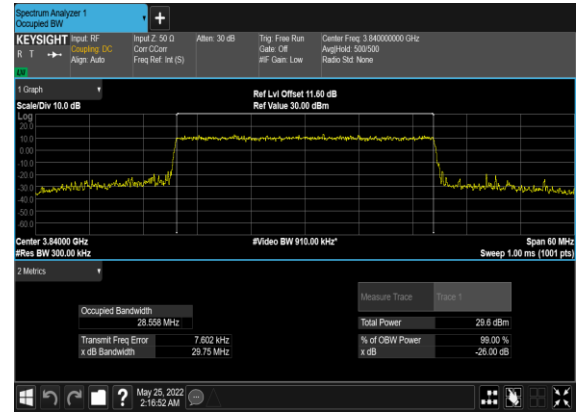
N77(30M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



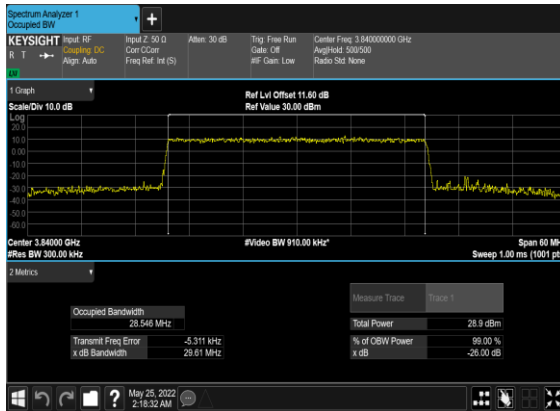
N77(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



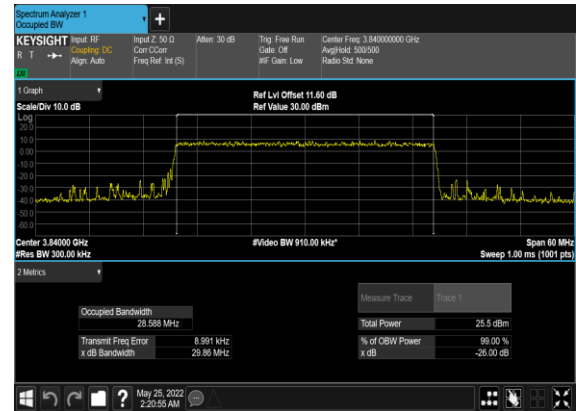
N77(30M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



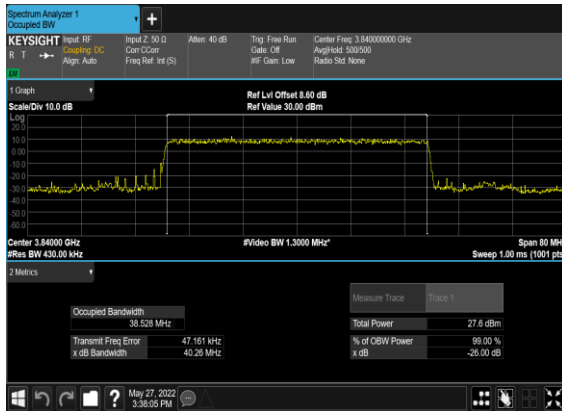
N77(30M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



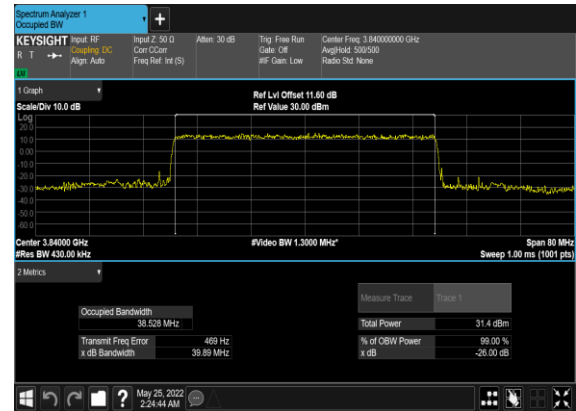
N77(30M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



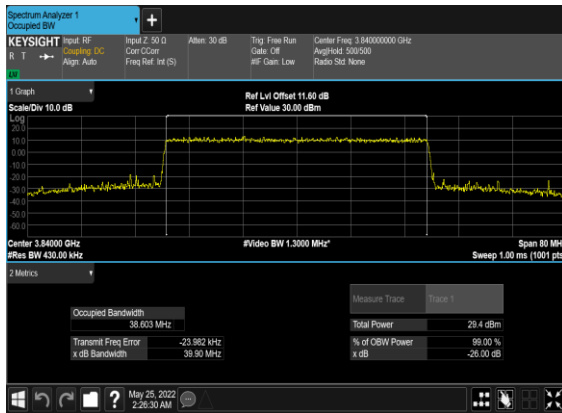
N77(40M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



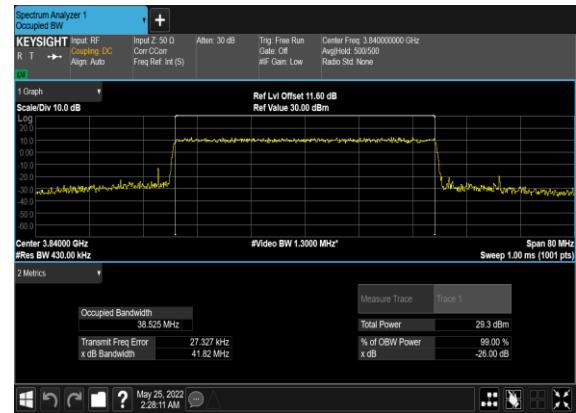
N77(40M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



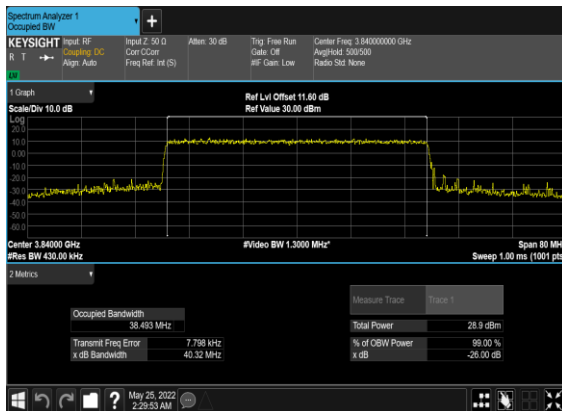
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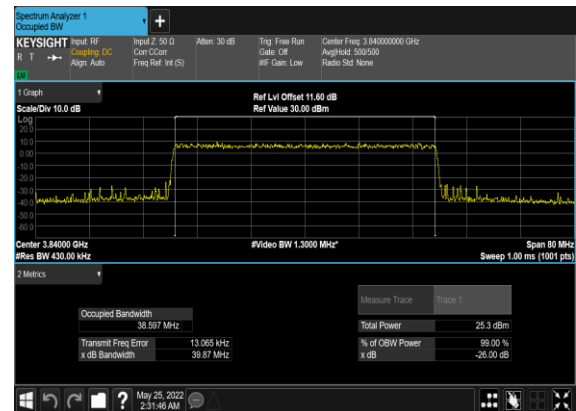
N77(40M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



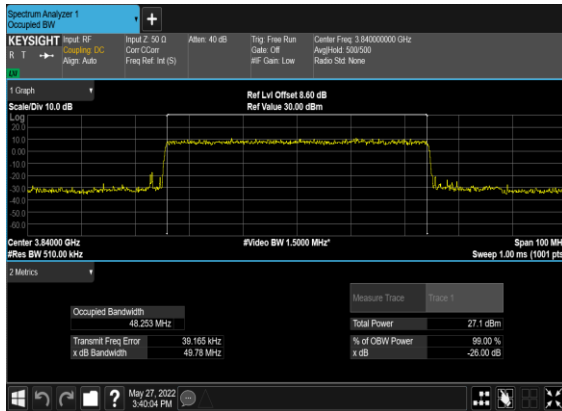
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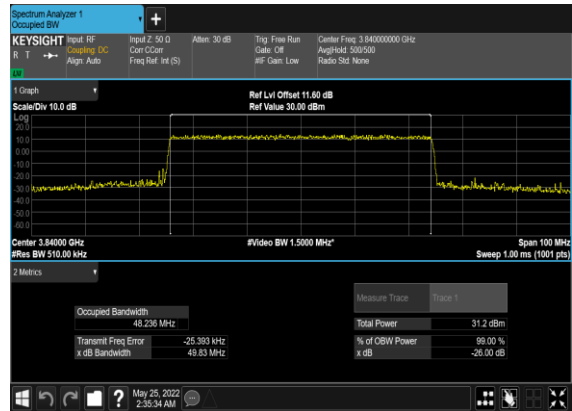
N77(40M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



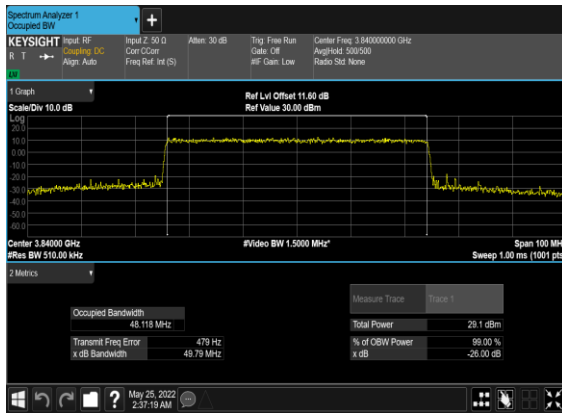
N77(50M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



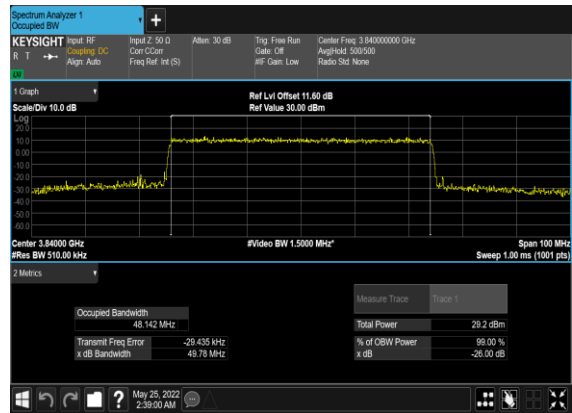
N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



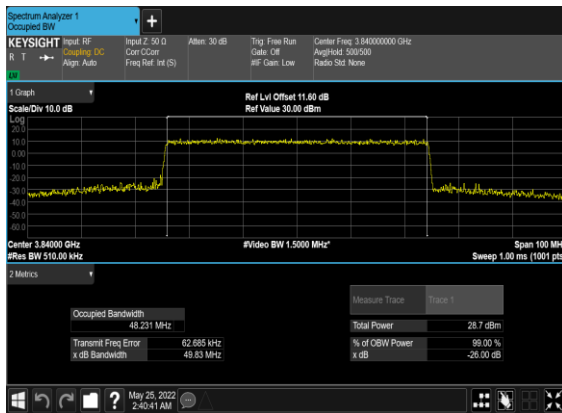
N77(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



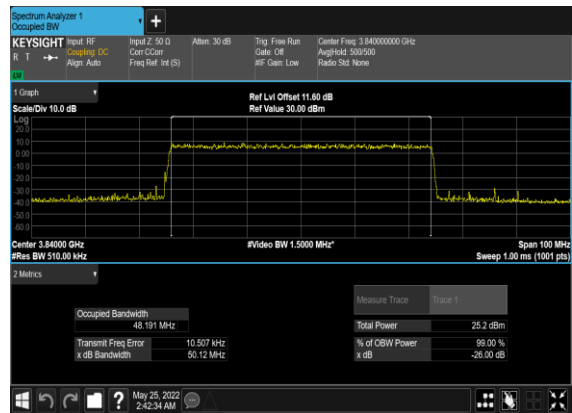
N77(50M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



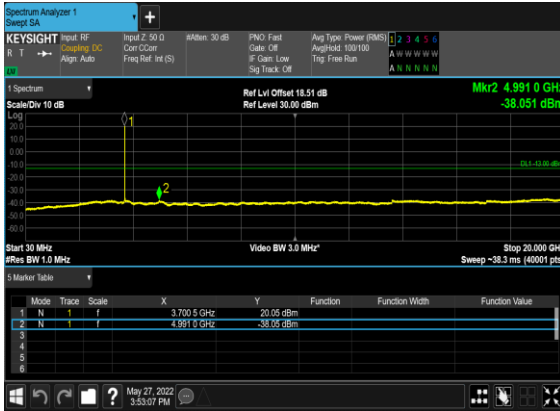
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	15	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	15	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	15	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	10	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	15	10	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	10	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	10	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	15	10	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	10	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	10	665000	3975.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	15	10	665000	3975.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	10	665000	3975.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	10	665000	3975.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	15	10	665000	3975.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	10	665000	3975.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	25	647500	3712.5	DFT-s-OFDM BPSK	1@0	see graph	---
77	15	25	647500	3712.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	25	647500	3712.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	25	647500	3712.5	DFT-s-OFDM QPSK	1@0	see graph	---

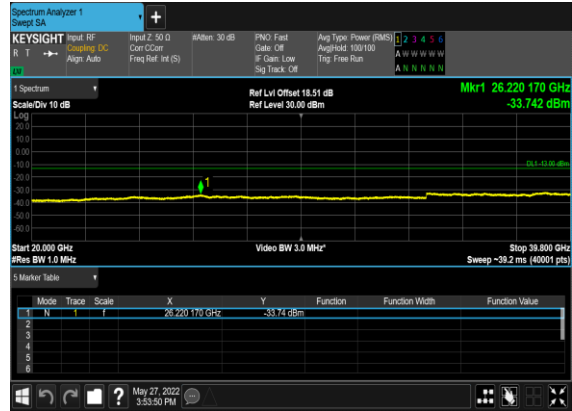
77	15	25	647500	3712.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	25	647500	3712.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	25	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	15	25	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	25	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	25	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	15	25	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	25	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	25	664500	3967.5	DFT-s-OFDM BPSK	1@0	see graph	---
77	15	25	664500	3967.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	25	664500	3967.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	25	664500	3967.5	DFT-s-OFDM QPSK	1@0	see graph	---
77	15	25	664500	3967.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	25	664500	3967.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	15	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	15	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	15	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	50	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	---

77	15	50	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	50	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	50	663666	3954.99	DFT-s-OFDM BPSK	1@0	see graph	---
77	15	50	663666	3954.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	50	663666	3954.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	50	663666	3954.99	DFT-s-OFDM QPSK	1@0	see graph	---
77	15	50	663666	3954.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	50	663666	3954.99	DFT-s-OFDM QPSK	1@0	see graph	PASS

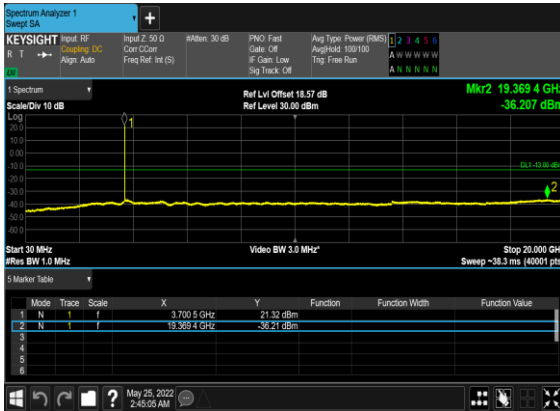
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



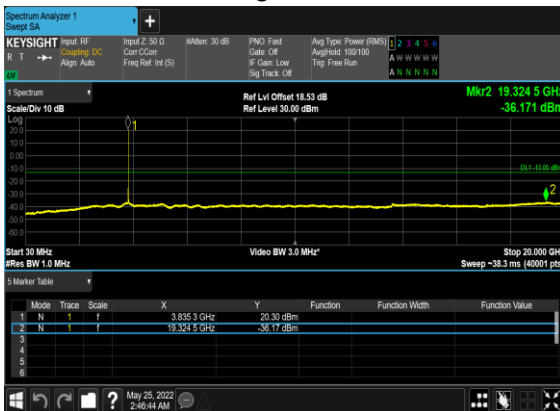
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



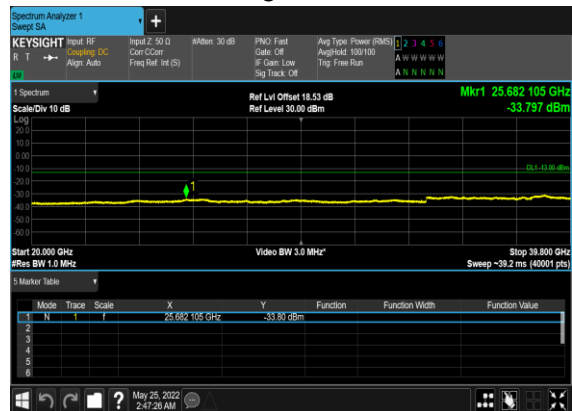
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



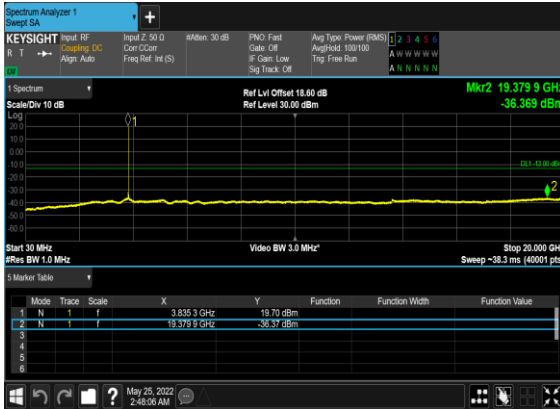
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



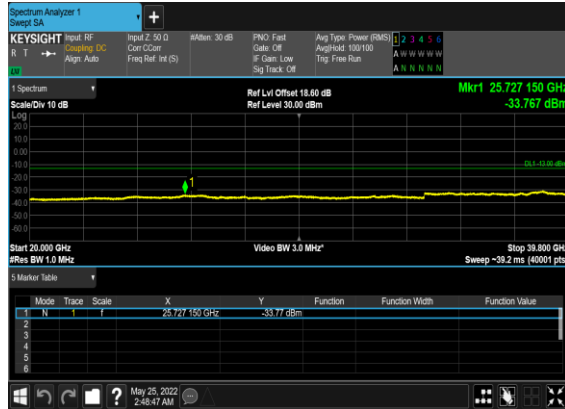
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



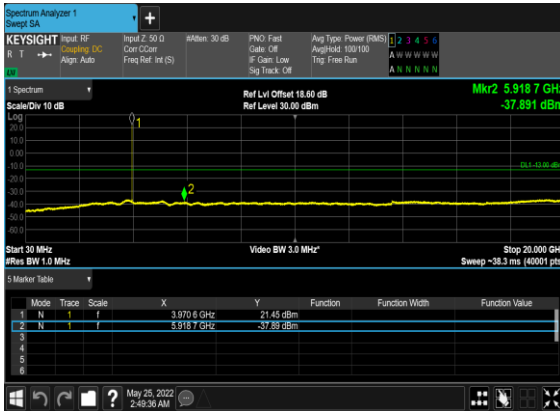
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



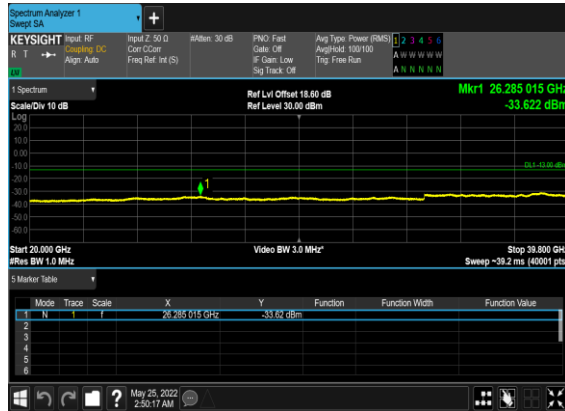
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



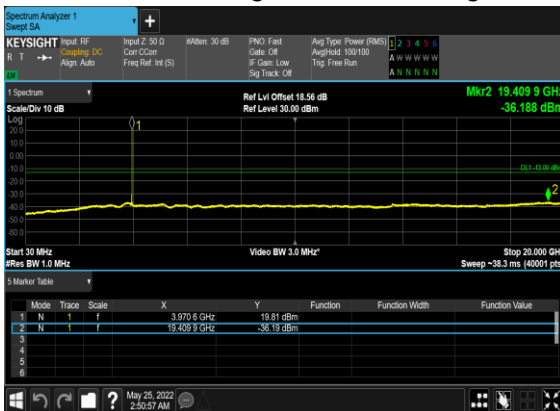
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



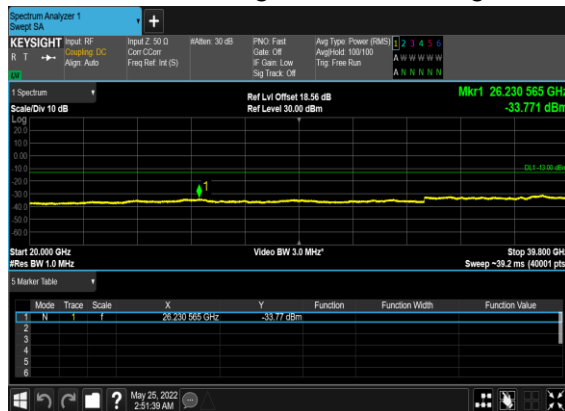
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



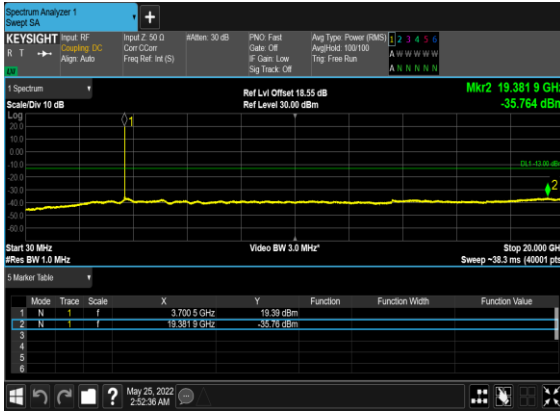
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



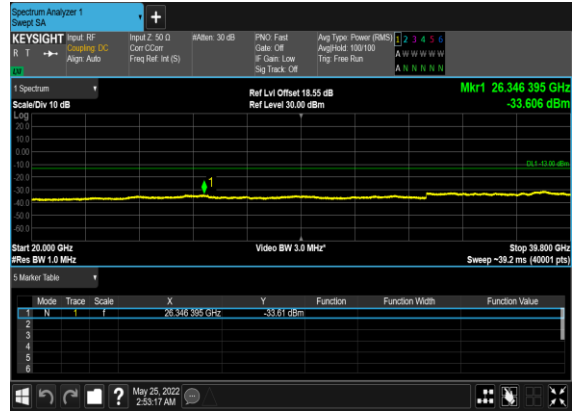
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



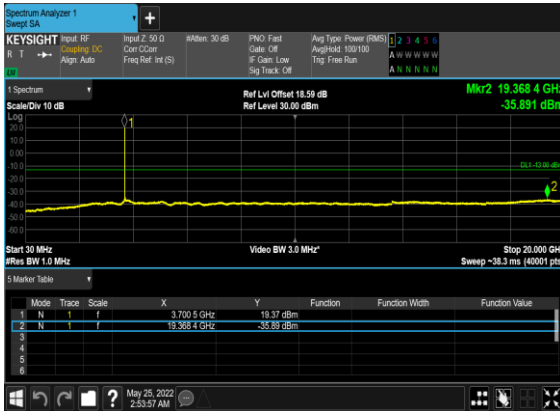
N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



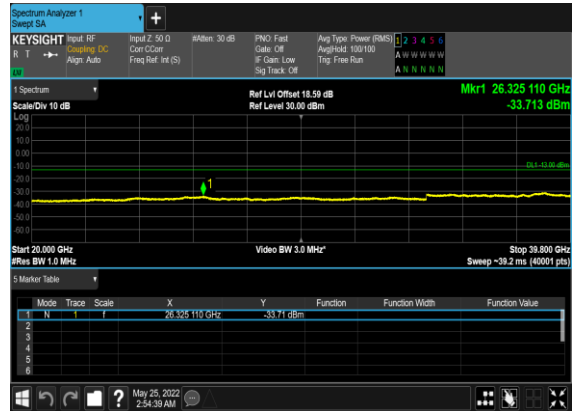
N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



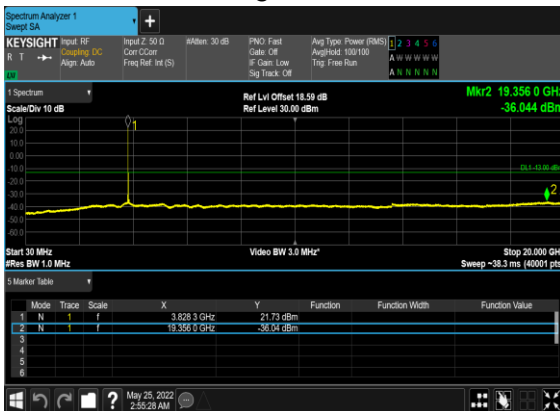
N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



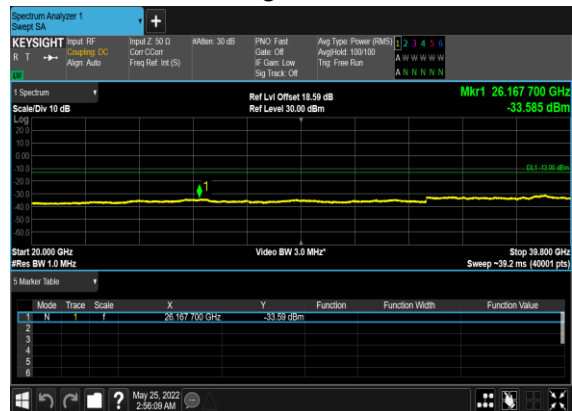
N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



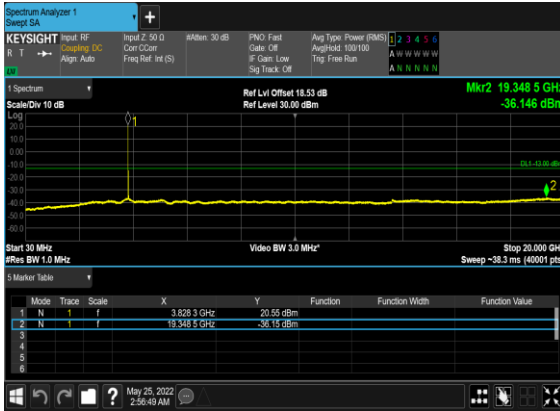
N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



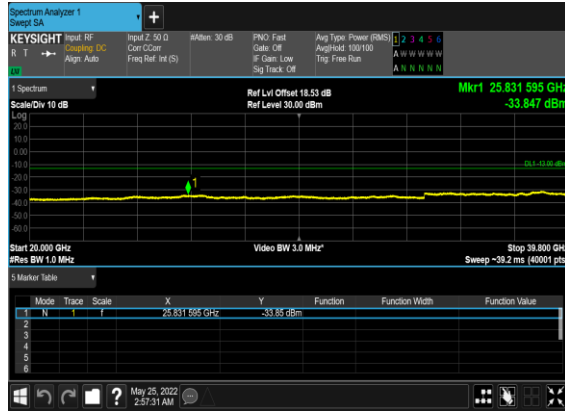
N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



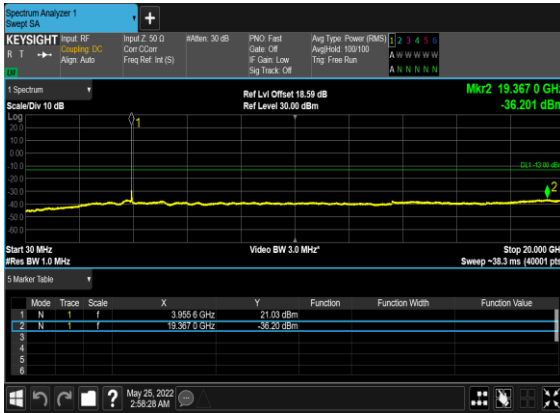
N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



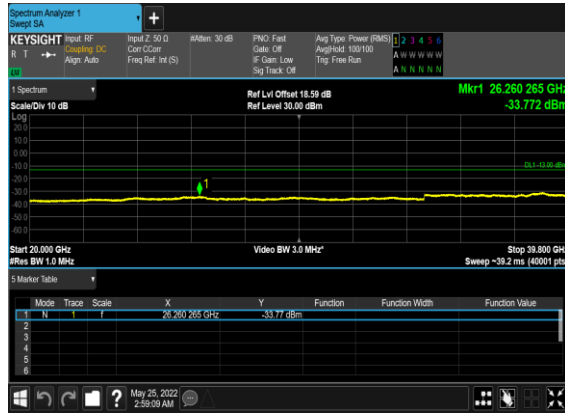
N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



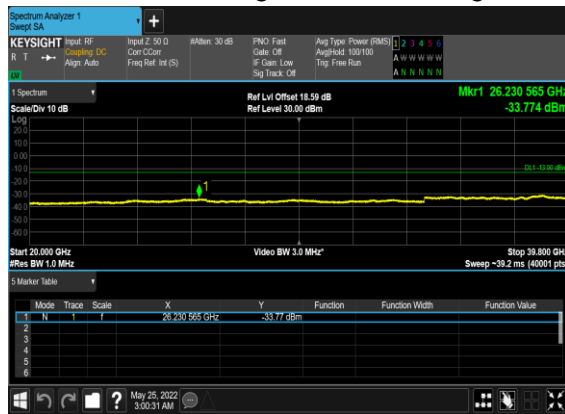
N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



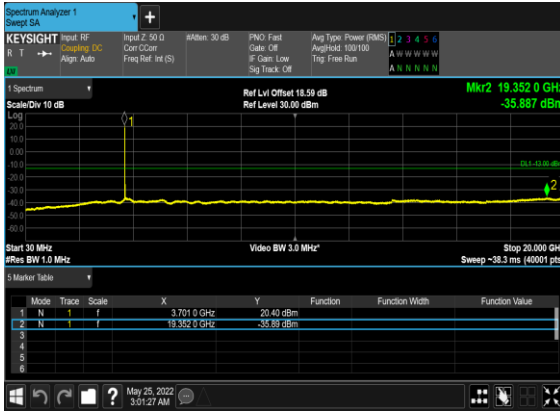
N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



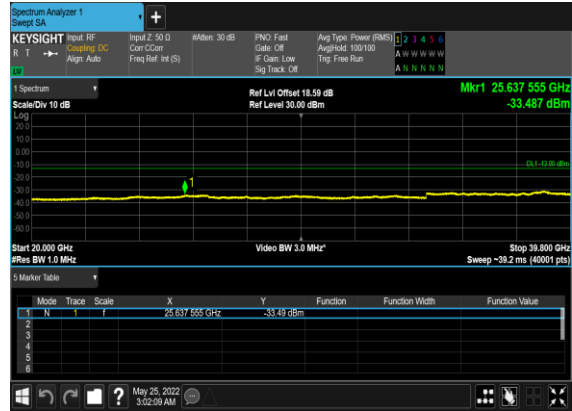
N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



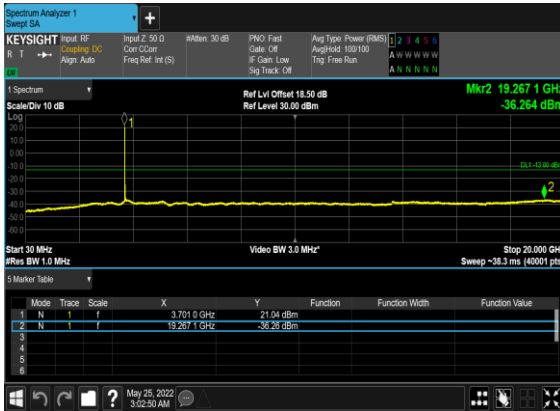
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



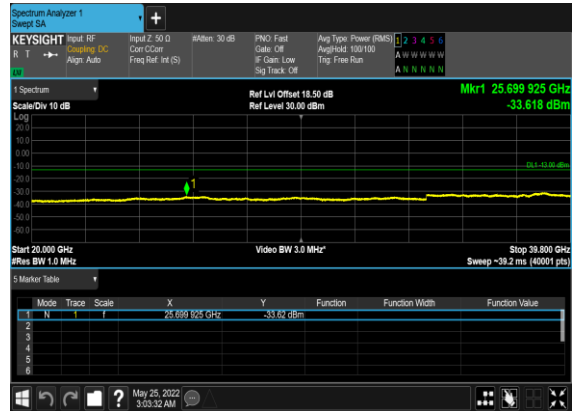
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



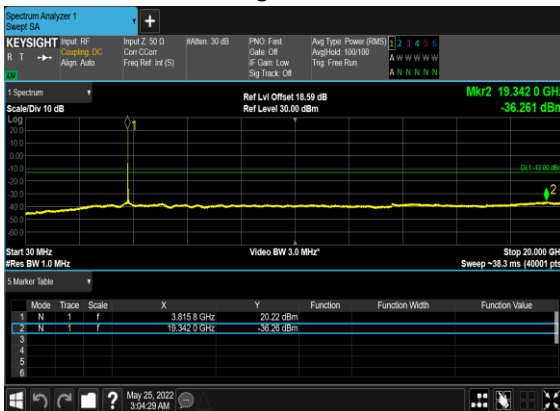
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



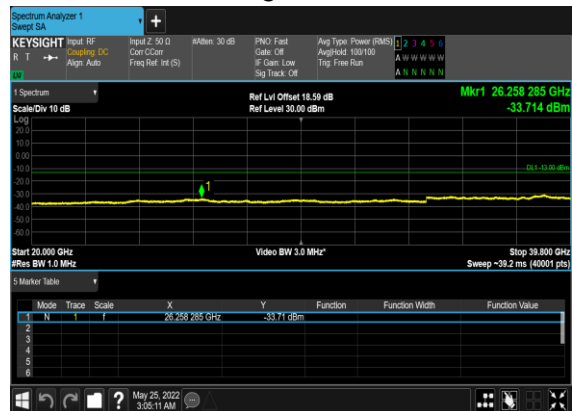
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



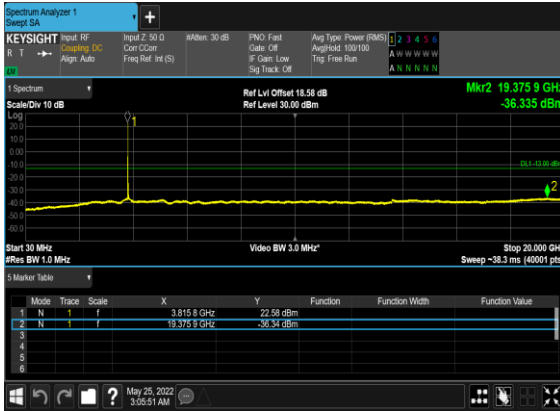
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



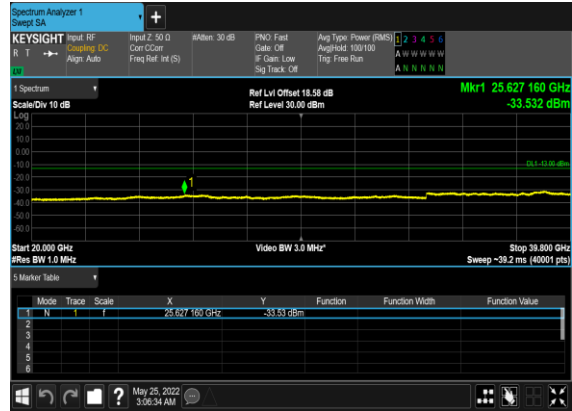
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



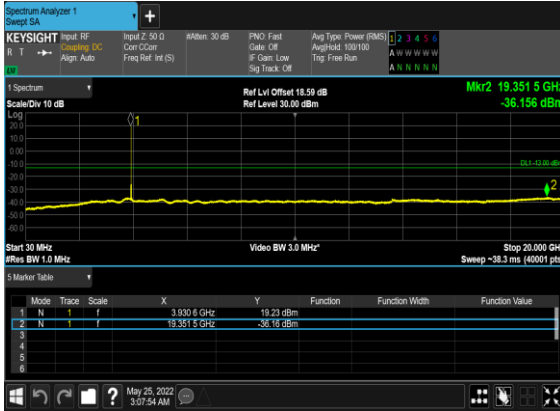
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



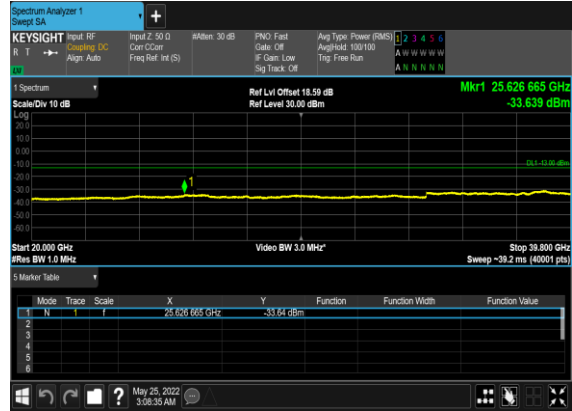
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



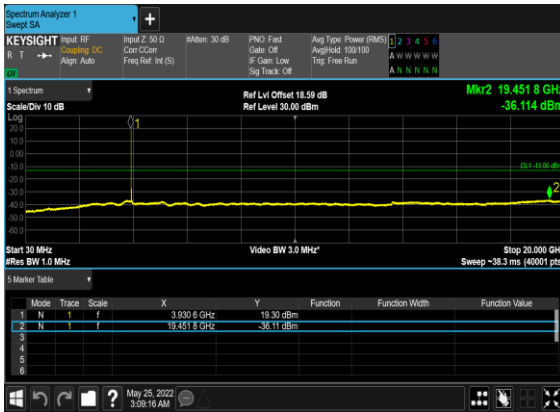
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



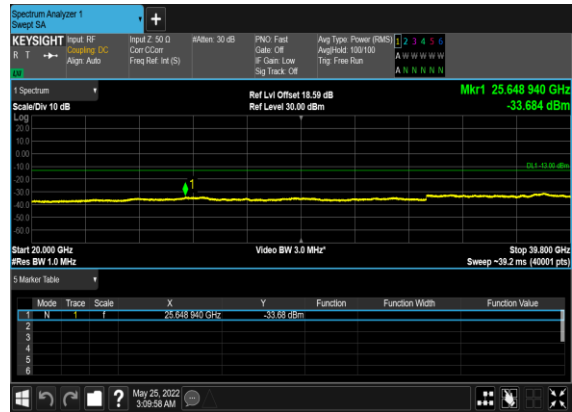
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



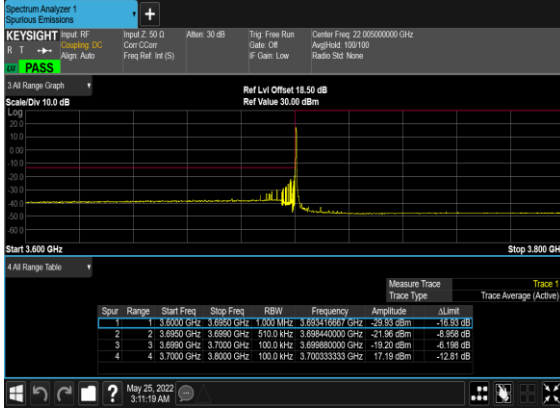
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



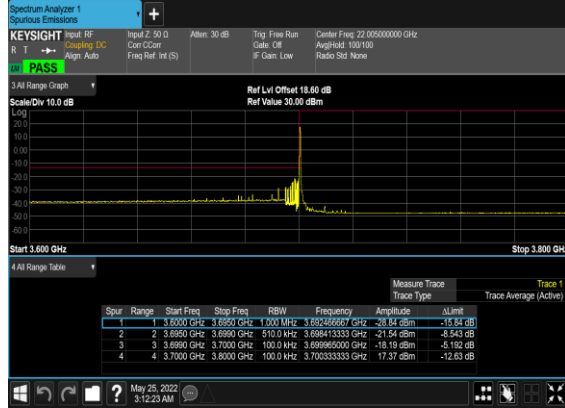
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	15	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	10	647000	3705.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
77	15	10	647000	3705.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
77	15	10	665000	3975.0	DFT-s-OFDM BPSK	1@51	see graph	PASS
77	15	10	665000	3975.0	DFT-s-OFDM QPSK	1@51	see graph	PASS
77	15	10	665000	3975.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
77	15	10	665000	3975.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
77	15	25	647500	3712.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	25	647500	3712.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	25	647500	3712.5	DFT-s-OFDM BPSK	128@0	see graph	PASS
77	15	25	647500	3712.5	DFT-s-OFDM QPSK	128@0	see graph	PASS
77	15	25	664500	3967.5	DFT-s-OFDM BPSK	1@132	see graph	PASS
77	15	25	664500	3967.5	DFT-s-OFDM QPSK	1@132	see graph	PASS
77	15	25	664500	3967.5	DFT-s-OFDM BPSK	128@0	see graph	PASS
77	15	25	664500	3967.5	DFT-s-OFDM QPSK	128@0	see graph	PASS
77	15	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	50	648334	3725.01	DFT-s-OFDM BPSK	270@0	see graph	PASS
77	15	50	648334	3725.01	DFT-s-OFDM QPSK	270@0	see graph	PASS
77	15	50	663666	3954.99	DFT-s-OFDM BPSK	1@269	see graph	PASS
77	15	50	663666	3954.99	DFT-s-OFDM QPSK	1@269	see graph	PASS
77	15	50	663666	3954.99	DFT-s-OFDM BPSK	270@0	see graph	PASS
77	15	50	663666	3954.99	DFT-s-OFDM QPSK	270@0	see graph	PASS

N77(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



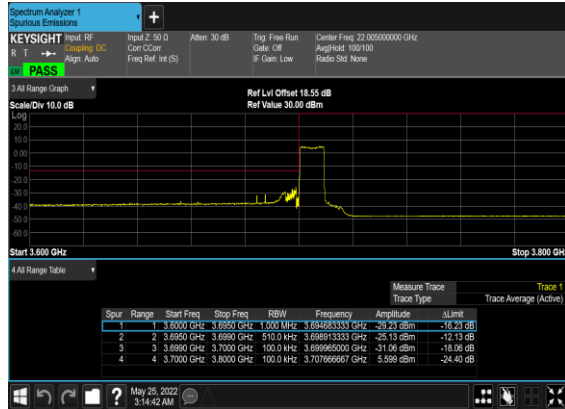
N77(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(10M)_DFT-s- OFDM_BPSK_Outer_Full_Low_CH



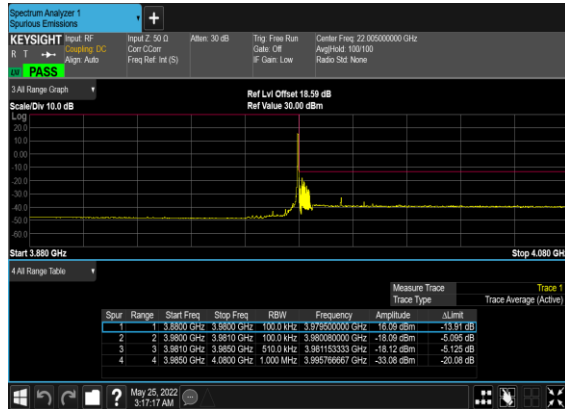
N77(10M)_DFT-s- OFDM_QPSK_Outer_Full_Low_CH



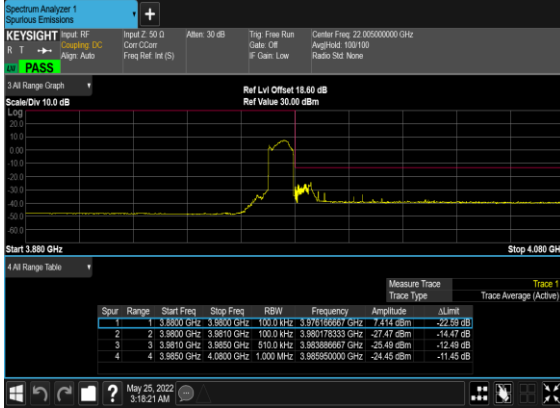
N77(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_High_CH



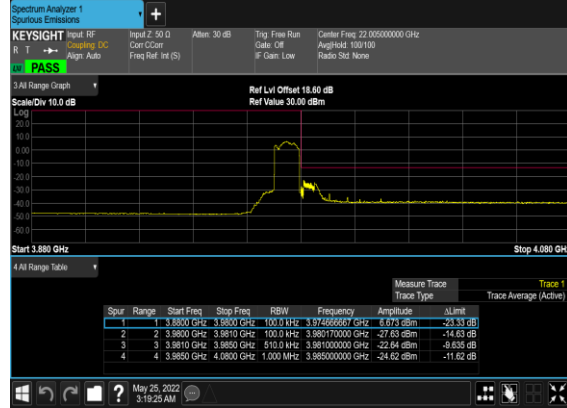
N77(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_High_CH



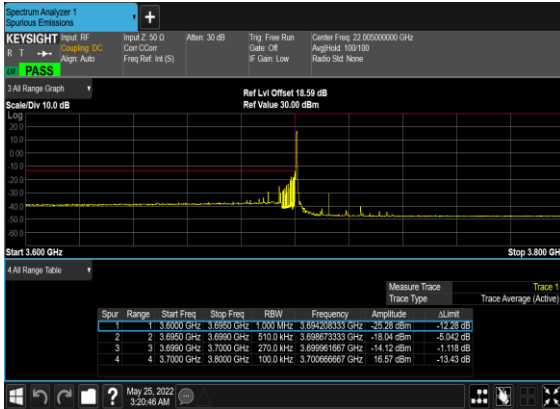
N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



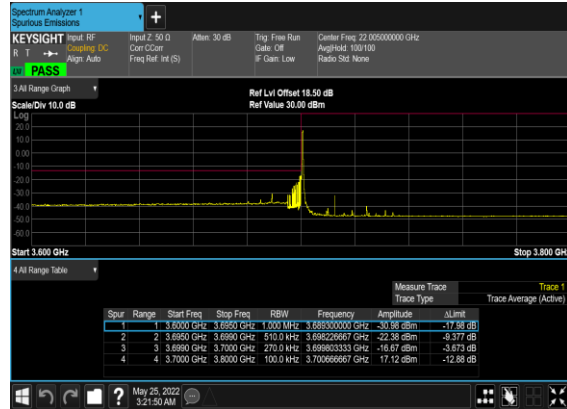
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



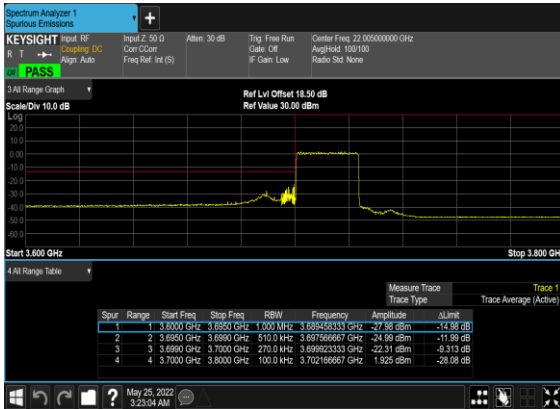
N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



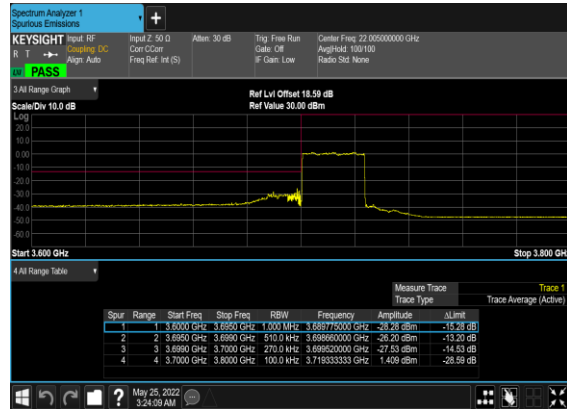
N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



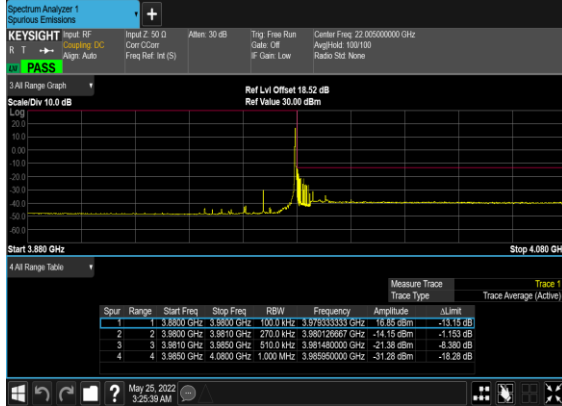
N77(25M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



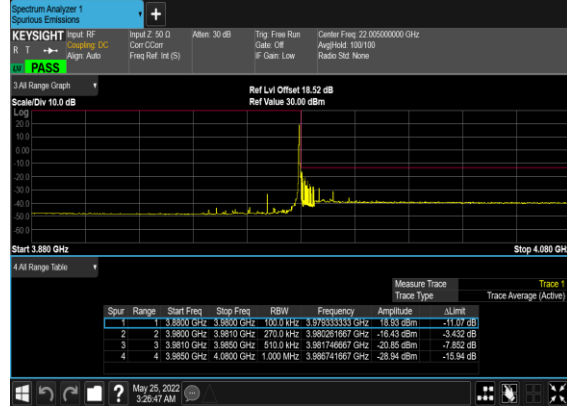
N77(25M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



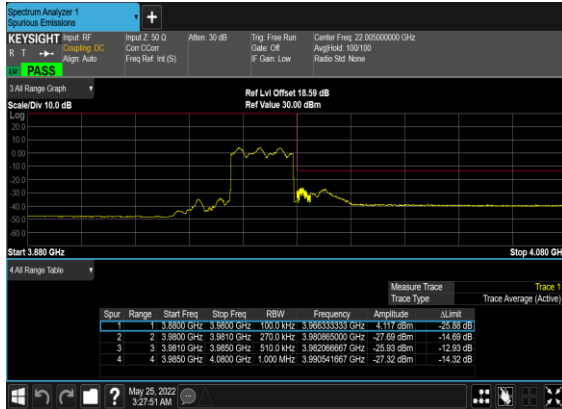
N77(25M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



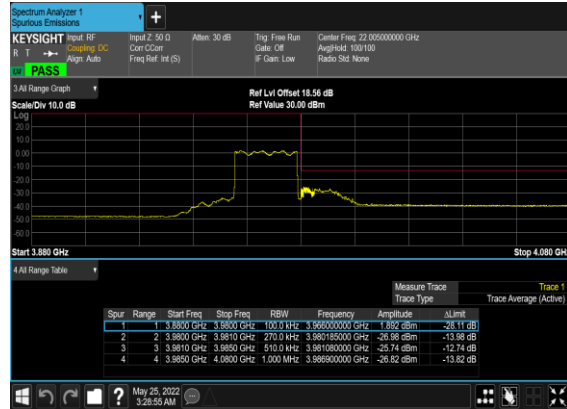
N77(25M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



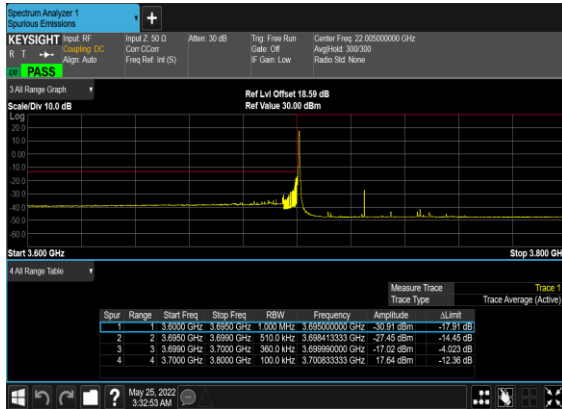
N77(25M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



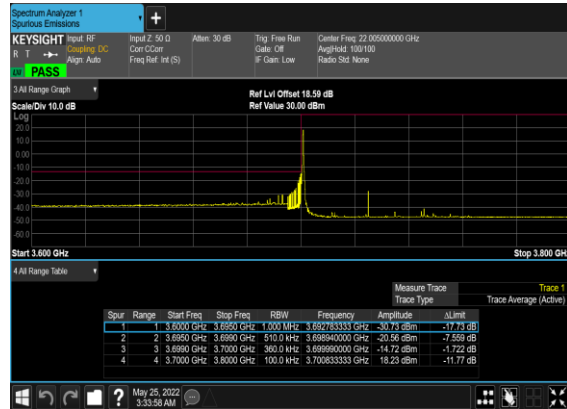
N77(25M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



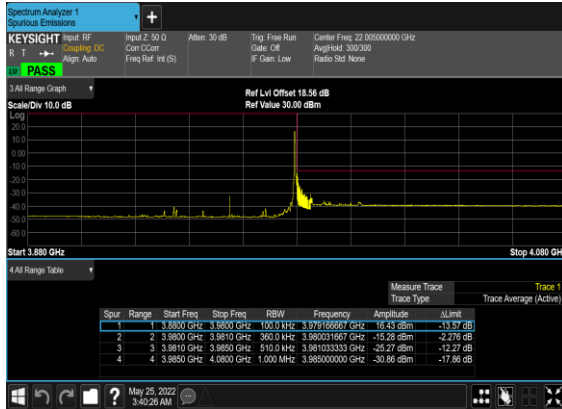
N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



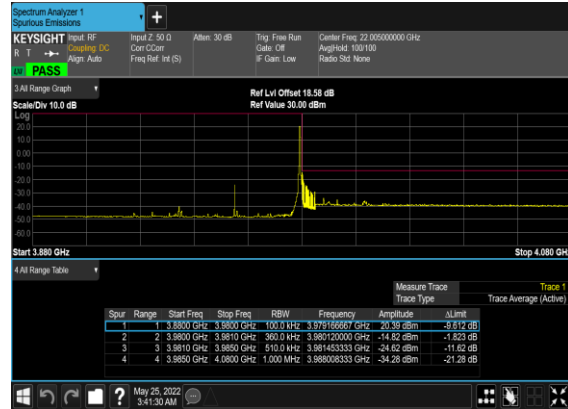
N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



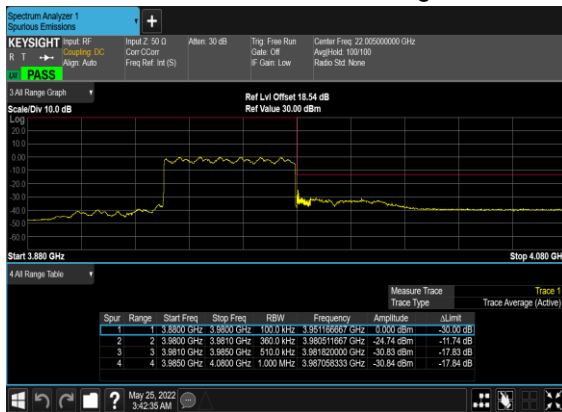
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



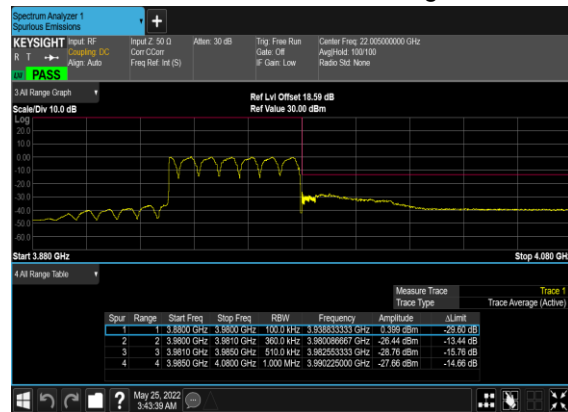
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



FR1 N77 UL MIMO SCS 30kHz (ANT3+5)

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	30	10	647000	3705	DFT-s-OFDM PI/2 BPSK	12@6	22.47	22.44	25.47	20.53	0.1129
77	30	10	647000	3705	DFT-s-OFDM PI/2 BPSK	1@1	22.92	22.98	25.96	21.02	0.1265
77	30	10	647000	3705	DFT-s-OFDM PI/2 BPSK	1@22	22.86	22.94	25.91	20.97	0.1250
77	30	10	647000	3705	DFT-s-OFDM QPSK	12@6	22.95	22.97	25.97	21.03	0.1268
77	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	22.86	22.82	25.85	20.91	0.1233
77	30	10	647000	3705	DFT-s-OFDM QPSK	1@22	22.9	22.93	25.93	20.99	0.1255
77	30	10	647000	3705	DFT-s-OFDM 16 QAM	12@6	22	22.02	25.02	20.08	0.1019
77	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	21.96	21.91	24.95	20.01	0.1001
77	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@22	22.04	21.91	24.99	20.05	0.1011
77	30	10	647000	3705	DFT-s-OFDM 64 QAM	12@6	20.51	20.52	23.53	18.59	0.0722
77	30	10	647000	3705	DFT-s-OFDM 64 QAM	1@1	20.54	20.49	23.53	18.59	0.0722
77	30	10	647000	3705	DFT-s-OFDM 64 QAM	1@22	20.51	20.56	23.55	18.61	0.0725
77	30	10	647000	3705	DFT-s-OFDM 256 QAM	12@6	18.36	18.41	21.40	16.46	0.0442
77	30	10	647000	3705	DFT-s-OFDM 256 QAM	1@1	18.35	18.33	21.35	16.41	0.0438
77	30	10	647000	3705	DFT-s-OFDM 256 QAM	1@22	18.31	18.35	21.34	16.40	0.0437
77	30	10	647000	3705	CP-OFDM QPSK	12@6	21.43	21.42	24.44	19.50	0.0890
77	30	10	647000	3705	CP-OFDM QPSK	1@1	21.37	21.37	24.38	19.44	0.0879
77	30	10	647000	3705	CP-OFDM QPSK	1@22	21.37	21.38	24.39	19.45	0.0880
77	30	10	656000	3840	DFT-s-OFDM PI/2 BPSK	12@6	22.79	23.07	25.94	21.00	0.1260
77	30	10	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	22.74	22.97	25.87	20.93	0.1238
77	30	10	656000	3840	DFT-s-OFDM PI/2 BPSK	1@22	22.79	23	25.91	20.97	0.1249
77	30	10	656000	3840	DFT-s-OFDM QPSK	12@6	22.82	23.12	25.98	21.04	0.1271
77	30	10	656000	3840	DFT-s-OFDM QPSK	1@1	22.71	22.9	25.82	20.88	0.1224
77	30	10	656000	3840	DFT-s-OFDM QPSK	1@22	22.74	23.01	25.89	20.95	0.1244
77	30	10	656000	3840	DFT-s-OFDM 16 QAM	12@6	21.83	22.06	24.96	20.02	0.1004
77	30	10	656000	3840	DFT-s-OFDM 16 QAM	1@1	21.82	22.14	24.99	20.05	0.1012

77	30	10	656000	3840	DFT-s-OFDM 16 QAM	1@22	21.97	22.09	25.04	20.10	0.1023
77	30	10	656000	3840	DFT-s-OFDM 64 QAM	12@6	20.41	20.62	23.53	18.59	0.0722
77	30	10	656000	3840	DFT-s-OFDM 64 QAM	1@1	20.43	20.62	23.54	18.60	0.0724
77	30	10	656000	3840	DFT-s-OFDM 64 QAM	1@22	20.39	20.69	23.55	18.61	0.0727
77	30	10	656000	3840	DFT-s-OFDM 256 QAM	12@6	18.22	18.59	21.42	16.48	0.0445
77	30	10	656000	3840	DFT-s-OFDM 256 QAM	1@1	18.21	18.44	21.34	16.40	0.0436
77	30	10	656000	3840	DFT-s-OFDM 256 QAM	1@22	18.19	18.51	21.36	16.42	0.0439
77	30	10	656000	3840	CP-OFDM QPSK	12@6	21.33	21.5	24.43	19.49	0.0888
77	30	10	656000	3840	CP-OFDM QPSK	1@1	21.24	21.42	24.34	19.40	0.0871
77	30	10	656000	3840	CP-OFDM QPSK	1@22	21.19	21.47	24.34	19.40	0.0871
77	30	10	665000	3975	DFT-s-OFDM PI/2 BPSK	12@6	23.17	22.93	26.06	21.12	0.1295
77	30	10	665000	3975	DFT-s-OFDM PI/2 BPSK	1@1	23.09	22.82	25.97	21.03	0.1267
77	30	10	665000	3975	DFT-s-OFDM PI/2 BPSK	1@22	23.16	22.96	26.07	21.13	0.1298
77	30	10	665000	3975	DFT-s-OFDM QPSK	12@6	23.17	22.89	26.04	21.10	0.1289
77	30	10	665000	3975	DFT-s-OFDM QPSK	1@1	23	22.75	25.89	20.95	0.1244
77	30	10	665000	3975	DFT-s-OFDM QPSK	1@22	23.02	22.84	25.94	21.00	0.1259
77	30	10	665000	3975	DFT-s-OFDM 16 QAM	12@6	22.06	21.85	24.97	20.03	0.1006
77	30	10	665000	3975	DFT-s-OFDM 16 QAM	1@1	22.24	21.95	25.11	20.17	0.1039
77	30	10	665000	3975	DFT-s-OFDM 16 QAM	1@22	22.25	22.02	25.15	20.21	0.1049
77	30	10	665000	3975	DFT-s-OFDM 64 QAM	12@6	20.66	20.45	23.57	18.63	0.0729
77	30	10	665000	3975	DFT-s-OFDM 64 QAM	1@1	20.73	20.2	23.48	18.54	0.0715
77	30	10	665000	3975	DFT-s-OFDM 64 QAM	1@22	20.71	20.37	23.55	18.61	0.0727
77	30	10	665000	3975	DFT-s-OFDM 256 QAM	12@6	18.63	18.44	21.55	16.61	0.0458
77	30	10	665000	3975	DFT-s-OFDM 256 QAM	1@1	18.56	18.29	21.44	16.50	0.0446
77	30	10	665000	3975	DFT-s-OFDM 256 QAM	1@22	18.52	18.39	21.47	16.53	0.0449
77	30	10	665000	3975	CP-OFDM QPSK	12@6	21.6	21.32	24.47	19.53	0.0898
77	30	10	665000	3975	CP-OFDM QPSK	1@1	21.53	21.14	24.35	19.41	0.0873
77	30	10	665000	3975	CP-OFDM QPSK	1@22	21.51	21.27	24.40	19.46	0.0883
77	30	15	647168	3707.52	DFT-s-OFDM PI/2 BPSK	18@9	22.48	22.51	25.51	20.57	0.1139
77	30	15	647168	3707.52	DFT-s-OFDM PI/2 BPSK	1@1	22.91	22.9	25.92	20.98	0.1252
77	30	15	647168	3707.52	DFT-s-OFDM PI/2 BPSK	1@36	22.94	23.05	26.01	21.07	0.1278
77	30	15	647168	3707.52	DFT-s-OFDM QPSK	18@9	22.96	22.93	25.96	21.02	0.1263
77	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	22.9	22.88	25.90	20.96	0.1247
77	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@36	22.86	22.96	25.92	20.98	0.1253

77	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	18@9	21.92	21.93	24.94	20.00	0.0999
77	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	21.92	21.76	24.85	19.91	0.0980
77	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@36	21.81	21.95	24.89	19.95	0.0989
77	30	15	647168	3707.52	DFT-s-OFDM 64 QAM	18@9	20.42	20.51	23.48	18.54	0.0714
77	30	15	647168	3707.52	DFT-s-OFDM 64 QAM	1@1	20.48	20.45	23.48	18.54	0.0714
77	30	15	647168	3707.52	DFT-s-OFDM 64 QAM	1@36	20.31	20.54	23.44	18.50	0.0707
77	30	15	647168	3707.52	DFT-s-OFDM 256 QAM	18@9	18.43	18.37	21.41	16.47	0.0444
77	30	15	647168	3707.52	DFT-s-OFDM 256 QAM	1@1	18.37	18.24	21.32	16.38	0.0434
77	30	15	647168	3707.52	DFT-s-OFDM 256 QAM	1@36	18.32	18.38	21.36	16.42	0.0439
77	30	15	647168	3707.52	CP-OFDM QPSK	19@9	21.38	21.45	24.43	19.49	0.0888
77	30	15	647168	3707.52	CP-OFDM QPSK	1@1	21.37	21.34	24.37	19.43	0.0876
77	30	15	647168	3707.52	CP-OFDM QPSK	1@36	21.31	21.36	24.35	19.41	0.0872
77	30	15	656000	3840	DFT-s-OFDM PI/2 BPSK	18@9	22.88	23.06	25.98	21.04	0.1271
77	30	15	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	22.81	23.04	25.94	21.00	0.1258
77	30	15	656000	3840	DFT-s-OFDM PI/2 BPSK	1@36	22.77	23.12	25.96	21.02	0.1264
77	30	15	656000	3840	DFT-s-OFDM QPSK	18@9	22.86	23.11	26.00	21.06	0.1276
77	30	15	656000	3840	DFT-s-OFDM QPSK	1@1	22.76	22.93	25.86	20.92	0.1235
77	30	15	656000	3840	DFT-s-OFDM QPSK	1@36	22.75	23.09	25.93	20.99	0.1257
77	30	15	656000	3840	DFT-s-OFDM 16 QAM	18@9	21.86	22.15	25.02	20.08	0.1018
77	30	15	656000	3840	DFT-s-OFDM 16 QAM	1@1	21.85	22.01	24.94	20.00	0.1000
77	30	15	656000	3840	DFT-s-OFDM 16 QAM	1@36	21.85	22.21	25.04	20.10	0.1024
77	30	15	656000	3840	DFT-s-OFDM 64 QAM	18@9	20.34	20.56	23.46	18.52	0.0711
77	30	15	656000	3840	DFT-s-OFDM 64 QAM	1@1	20.25	20.63	23.45	18.51	0.0710
77	30	15	656000	3840	DFT-s-OFDM 64 QAM	1@36	20.41	20.73	23.58	18.64	0.0732
77	30	15	656000	3840	DFT-s-OFDM 256 QAM	18@9	18.33	18.59	21.47	16.53	0.0450
77	30	15	656000	3840	DFT-s-OFDM 256 QAM	1@1	18.3	18.53	21.43	16.49	0.0445
77	30	15	656000	3840	DFT-s-OFDM 256 QAM	1@36	18.16	18.6	21.40	16.46	0.0442
77	30	15	656000	3840	CP-OFDM QPSK	19@9	21.28	21.49	24.40	19.46	0.0882
77	30	15	656000	3840	CP-OFDM QPSK	1@1	21.24	21.41	24.34	19.40	0.0870
77	30	15	656000	3840	CP-OFDM QPSK	1@36	21.22	21.5	24.37	19.43	0.0878
77	30	15	664832	3972.48	DFT-s-OFDM PI/2 BPSK	18@9	23.1	22.81	25.97	21.03	0.1267
77	30	15	664832	3972.48	DFT-s-OFDM PI/2 BPSK	1@1	23.02	22.71	25.88	20.94	0.1241
77	30	15	664832	3972.48	DFT-s-OFDM PI/2 BPSK	1@36	23.07	22.89	25.99	21.05	0.1274
77	30	15	664832	3972.48	DFT-s-OFDM QPSK	18@9	23.09	22.82	25.97	21.03	0.1267

77	30	15	664832	3972.48	DFT-s-OFDM QPSK	1@1	22.96	22.55	25.77	20.83	0.1211
77	30	15	664832	3972.48	DFT-s-OFDM QPSK	1@36	23	22.83	25.93	20.99	0.1255
77	30	15	664832	3972.48	DFT-s-OFDM 16 QAM	18@9	22.04	21.79	24.93	19.99	0.0997
77	30	15	664832	3972.48	DFT-s-OFDM 16 QAM	1@1	22.04	21.63	24.85	19.91	0.0980
77	30	15	664832	3972.48	DFT-s-OFDM 16 QAM	1@36	22.05	21.91	24.99	20.05	0.1012
77	30	15	664832	3972.48	DFT-s-OFDM 64 QAM	18@9	20.57	20.24	23.42	18.48	0.0704
77	30	15	664832	3972.48	DFT-s-OFDM 64 QAM	1@1	20.45	20.19	23.33	18.39	0.0691
77	30	15	664832	3972.48	DFT-s-OFDM 64 QAM	1@36	20.54	20.48	23.52	18.58	0.0721
77	30	15	664832	3972.48	DFT-s-OFDM 256 QAM	18@9	18.62	18.34	21.49	16.55	0.0452
77	30	15	664832	3972.48	DFT-s-OFDM 256 QAM	1@1	18.54	18.15	21.36	16.42	0.0438
77	30	15	664832	3972.48	DFT-s-OFDM 256 QAM	1@36	18.49	18.33	21.42	16.48	0.0445
77	30	15	664832	3972.48	CP-OFDM QPSK	19@9	21.46	21.22	24.35	19.41	0.0873
77	30	15	664832	3972.48	CP-OFDM QPSK	1@1	21.47	21.05	24.28	19.34	0.0858
77	30	15	664832	3972.48	CP-OFDM QPSK	1@36	21.53	21.32	24.44	19.50	0.0891
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	25@12	22.44	22.46	25.46	20.52	0.1127
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@1	22.92	22.94	25.94	21.00	0.1259
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@49	22.87	23	25.95	21.01	0.1261
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	25@12	22.97	22.96	25.98	21.04	0.1269
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	22.93	22.85	25.90	20.96	0.1248
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@49	22.86	22.94	25.91	20.97	0.1250
77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	25@12	21.87	21.92	24.91	19.97	0.0992
77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	21.97	21.84	24.92	19.98	0.0994
77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@49	22.06	22.08	25.08	20.14	0.1033
77	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	25@12	20.38	20.45	23.43	18.49	0.0706
77	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	1@1	20.6	20.56	23.59	18.65	0.0733
77	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	1@49	20.55	20.69	23.63	18.69	0.0740
77	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	25@12	18.39	18.42	21.42	16.48	0.0444
77	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	1@1	18.4	18.4	21.41	16.47	0.0444
77	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	1@49	18.41	18.49	21.46	16.52	0.0449
77	30	20	647334	3710.01	CP-OFDM QPSK	25@12	21.24	21.43	24.35	19.41	0.0872
77	30	20	647334	3710.01	CP-OFDM QPSK	1@1	21.37	21.29	24.34	19.40	0.0871
77	30	20	647334	3710.01	CP-OFDM QPSK	1@49	21.31	21.4	24.37	19.43	0.0876
77	30	20	656000	3840	DFT-s-OFDM PI/2 BPSK	25@12	22.88	23.1	26.00	21.06	0.1277
77	30	20	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	22.82	22.99	25.92	20.98	0.1252

77	30	20	656000	3840	DFT-s-OFDM PI/2 BPSK	1@49	22.79	23.24	26.03	21.09	0.1286
77	30	20	656000	3840	DFT-s-OFDM QPSK	25@12	22.78	23.1	25.95	21.01	0.1263
77	30	20	656000	3840	DFT-s-OFDM QPSK	1@1	22.79	23	25.91	20.97	0.1249
77	30	20	656000	3840	DFT-s-OFDM QPSK	1@49	22.74	23.2	25.99	21.05	0.1272
77	30	20	656000	3840	DFT-s-OFDM 16 QAM	25@12	21.92	22.19	25.07	20.13	0.1030
77	30	20	656000	3840	DFT-s-OFDM 16 QAM	1@1	21.78	21.87	24.84	19.90	0.0976
77	30	20	656000	3840	DFT-s-OFDM 16 QAM	1@49	21.69	22.13	24.93	19.99	0.0997
77	30	20	656000	3840	DFT-s-OFDM 64 QAM	25@12	20.29	20.55	23.43	18.49	0.0707
77	30	20	656000	3840	DFT-s-OFDM 64 QAM	1@1	20.12	20.66	23.41	18.47	0.0703
77	30	20	656000	3840	DFT-s-OFDM 64 QAM	1@49	20.08	20.5	23.31	18.37	0.0686
77	30	20	656000	3840	DFT-s-OFDM 256 QAM	25@12	18.33	18.53	21.44	16.50	0.0447
77	30	20	656000	3840	DFT-s-OFDM 256 QAM	1@1	18.3	18.45	21.39	16.45	0.0441
77	30	20	656000	3840	DFT-s-OFDM 256 QAM	1@49	18.21	18.69	21.47	16.53	0.0449
77	30	20	656000	3840	CP-OFDM QPSK	25@12	21.28	21.47	24.39	19.45	0.0880
77	30	20	656000	3840	CP-OFDM QPSK	1@1	21.28	21.45	24.38	19.44	0.0878
77	30	20	656000	3840	CP-OFDM QPSK	1@49	21.26	21.62	24.45	19.51	0.0894
77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	25@12	23.04	22.77	25.92	20.98	0.1252
77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	1@1	22.99	22.73	25.87	20.93	0.1239
77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	1@49	23.08	22.93	26.02	21.08	0.1281
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	25@12	23.07	22.79	25.94	21.00	0.1260
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@1	22.97	22.54	25.77	20.83	0.1211
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@49	22.98	22.82	25.91	20.97	0.1251
77	30	20	664666	3969.99	DFT-s-OFDM 16 QAM	25@12	22.06	21.79	24.94	20.00	0.0999
77	30	20	664666	3969.99	DFT-s-OFDM 16 QAM	1@1	22.15	21.81	24.99	20.05	0.1012
77	30	20	664666	3969.99	DFT-s-OFDM 16 QAM	1@49	22.09	21.95	25.03	20.09	0.1021
77	30	20	664666	3969.99	DFT-s-OFDM 64 QAM	25@12	20.5	20.23	23.38	18.44	0.0698
77	30	20	664666	3969.99	DFT-s-OFDM 64 QAM	1@1	20.63	20.34	23.50	18.56	0.0717
77	30	20	664666	3969.99	DFT-s-OFDM 64 QAM	1@49	20.75	20.59	23.68	18.74	0.0748
77	30	20	664666	3969.99	DFT-s-OFDM 256 QAM	25@12	18.53	18.23	21.39	16.45	0.0442
77	30	20	664666	3969.99	DFT-s-OFDM 256 QAM	1@1	18.47	18.2	21.35	16.41	0.0437
77	30	20	664666	3969.99	DFT-s-OFDM 256 QAM	1@49	18.51	18.42	21.48	16.54	0.0450
77	30	20	664666	3969.99	CP-OFDM QPSK	25@12	21.53	21.2	24.38	19.44	0.0879
77	30	20	664666	3969.99	CP-OFDM QPSK	1@1	21.41	21.08	24.26	19.32	0.0855
77	30	20	664666	3969.99	CP-OFDM QPSK	1@49	21.61	21.34	24.49	19.55	0.0901

77	30	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	32@16	22.31	22.42	25.38	20.44	0.1106
77	30	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	1@1	22.9	22.95	25.94	21.00	0.1258
77	30	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	1@63	22.85	23.05	25.96	21.02	0.1265
77	30	25	647500	3712.5	DFT-s-OFDM QPSK	32@16	22.81	22.97	25.90	20.96	0.1248
77	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	22.79	22.81	25.81	20.87	0.1222
77	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@63	22.79	22.92	25.87	20.93	0.1238
77	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	32@16	21.73	21.92	24.84	19.90	0.0976
77	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	21.94	22.04	25.00	20.06	0.1014
77	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@63	21.87	22.05	24.97	20.03	0.1007
77	30	25	647500	3712.5	DFT-s-OFDM 64 QAM	32@16	20.38	20.4	23.40	18.46	0.0702
77	30	25	647500	3712.5	DFT-s-OFDM 64 QAM	1@1	20.46	20.37	23.43	18.49	0.0706
77	30	25	647500	3712.5	DFT-s-OFDM 64 QAM	1@63	20.43	20.44	23.45	18.51	0.0709
77	30	25	647500	3712.5	DFT-s-OFDM 256 QAM	32@16	18.25	18.37	21.32	16.38	0.0435
77	30	25	647500	3712.5	DFT-s-OFDM 256 QAM	1@1	18.6	18.56	21.59	16.65	0.0462
77	30	25	647500	3712.5	DFT-s-OFDM 256 QAM	1@63	18.48	18.64	21.57	16.63	0.0460
77	30	25	647500	3712.5	CP-OFDM QPSK	33@16	21.29	21.43	24.37	19.43	0.0877
77	30	25	647500	3712.5	CP-OFDM QPSK	1@1	21.35	21.3	24.34	19.40	0.0870
77	30	25	647500	3712.5	CP-OFDM QPSK	1@63	21.36	21.49	24.44	19.50	0.0890
77	30	25	656000	3840	DFT-s-OFDM PI/2 BPSK	32@16	22.74	23.11	25.94	21.00	0.1259
77	30	25	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	22.87	23.19	26.04	21.10	0.1289
77	30	25	656000	3840	DFT-s-OFDM PI/2 BPSK	1@63	22.85	23.28	26.08	21.14	0.1300
77	30	25	656000	3840	DFT-s-OFDM QPSK	32@16	22.79	22.99	25.90	20.96	0.1248
77	30	25	656000	3840	DFT-s-OFDM QPSK	1@1	22.8	22.98	25.90	20.96	0.1248
77	30	25	656000	3840	DFT-s-OFDM QPSK	1@63	22.68	23.14	25.93	20.99	0.1255
77	30	25	656000	3840	DFT-s-OFDM 16 QAM	32@16	21.76	21.99	24.89	19.95	0.0988
77	30	25	656000	3840	DFT-s-OFDM 16 QAM	1@1	21.89	22.17	25.04	20.10	0.1024
77	30	25	656000	3840	DFT-s-OFDM 16 QAM	1@63	21.79	22.33	25.08	20.14	0.1032
77	30	25	656000	3840	DFT-s-OFDM 64 QAM	32@16	20.22	20.58	23.41	18.47	0.0704
77	30	25	656000	3840	DFT-s-OFDM 64 QAM	1@1	20.33	20.53	23.44	18.50	0.0708
77	30	25	656000	3840	DFT-s-OFDM 64 QAM	1@63	19.97	20.71	23.37	18.43	0.0696
77	30	25	656000	3840	DFT-s-OFDM 256 QAM	32@16	18.22	18.52	21.38	16.44	0.0441
77	30	25	656000	3840	DFT-s-OFDM 256 QAM	1@1	18.56	18.75	21.67	16.73	0.0471
77	30	25	656000	3840	DFT-s-OFDM 256 QAM	1@63	18.55	19.03	21.81	16.87	0.0486
77	30	25	656000	3840	CP-OFDM QPSK	33@16	21.12	21.41	24.28	19.34	0.0859

77	30	25	656000	3840	CP-OFDM QPSK	1@1	21.21	21.4	24.32	19.38	0.0866
77	30	25	656000	3840	CP-OFDM QPSK	1@63	21.18	21.7	24.46	19.52	0.0895
77	30	25	664500	3967.5	DFT-s-OFDM PI/2 BPSK	32@16	22.96	22.67	25.83	20.89	0.1227
77	30	25	664500	3967.5	DFT-s-OFDM PI/2 BPSK	1@1	22.99	22.7	25.86	20.92	0.1235
77	30	25	664500	3967.5	DFT-s-OFDM PI/2 BPSK	1@63	23.12	23.01	26.08	21.14	0.1299
77	30	25	664500	3967.5	DFT-s-OFDM QPSK	32@16	22.99	22.66	25.84	20.90	0.1230
77	30	25	664500	3967.5	DFT-s-OFDM QPSK	1@1	22.93	22.58	25.77	20.83	0.1210
77	30	25	664500	3967.5	DFT-s-OFDM QPSK	1@63	22.99	22.83	25.92	20.98	0.1253
77	30	25	664500	3967.5	DFT-s-OFDM 16 QAM	32@16	21.91	21.67	24.80	19.86	0.0969
77	30	25	664500	3967.5	DFT-s-OFDM 16 QAM	1@1	22.06	21.76	24.92	19.98	0.0996
77	30	25	664500	3967.5	DFT-s-OFDM 16 QAM	1@63	22.2	22.05	25.14	20.20	0.1046
77	30	25	664500	3967.5	DFT-s-OFDM 64 QAM	32@16	20.48	20.26	23.38	18.44	0.0699
77	30	25	664500	3967.5	DFT-s-OFDM 64 QAM	1@1	20.17	20.22	23.21	18.27	0.0671
77	30	25	664500	3967.5	DFT-s-OFDM 64 QAM	1@63	20.28	20.14	23.22	18.28	0.0673
77	30	25	664500	3967.5	DFT-s-OFDM 256 QAM	32@16	18.43	18.23	21.34	16.40	0.0437
77	30	25	664500	3967.5	DFT-s-OFDM 256 QAM	1@1	18.66	18.41	21.55	16.61	0.0458
77	30	25	664500	3967.5	DFT-s-OFDM 256 QAM	1@63	18.82	18.62	21.73	16.79	0.0478
77	30	25	664500	3967.5	CP-OFDM QPSK	33@16	21.44	21.13	24.30	19.36	0.0863
77	30	25	664500	3967.5	CP-OFDM QPSK	1@1	21.46	21.11	24.30	19.36	0.0863
77	30	25	664500	3967.5	CP-OFDM QPSK	1@63	21.62	21.35	24.50	19.56	0.0903
77	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	36@18	22.4	22.49	25.46	20.52	0.1126
77	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@1	22.91	22.94	25.94	21.00	0.1258
77	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@76	22.83	23.02	25.94	21.00	0.1258
77	30	30	647668	3715.02	DFT-s-OFDM QPSK	36@18	22.92	23.07	26.01	21.07	0.1278
77	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	22.87	22.96	25.93	20.99	0.1255
77	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@76	22.76	23.02	25.90	20.96	0.1248
77	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	36@18	21.93	21.98	24.97	20.03	0.1006
77	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	21.94	21.97	24.97	20.03	0.1006
77	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@76	21.86	22.01	24.95	20.01	0.1001
77	30	30	647668	3715.02	DFT-s-OFDM 64 QAM	36@18	20.45	20.51	23.49	18.55	0.0716
77	30	30	647668	3715.02	DFT-s-OFDM 64 QAM	1@1	20.5	20.6	23.56	18.62	0.0728
77	30	30	647668	3715.02	DFT-s-OFDM 64 QAM	1@76	20.18	20.65	23.43	18.49	0.0707
77	30	30	647668	3715.02	DFT-s-OFDM 256 QAM	36@18	18.43	18.45	21.45	16.51	0.0448
77	30	30	647668	3715.02	DFT-s-OFDM 256 QAM	1@1	18.39	18.47	21.44	16.50	0.0447

77	30	30	647668	3715.02	DFT-s-OFDM 256 QAM	1@76	18.35	18.47	21.42	16.48	0.0445
77	30	30	647668	3715.02	CP-OFDM QPSK	39@19	21.41	21.44	24.44	19.50	0.0890
77	30	30	647668	3715.02	CP-OFDM QPSK	1@1	21.34	21.31	24.34	19.40	0.0870
77	30	30	647668	3715.02	CP-OFDM QPSK	1@76	21.32	21.42	24.38	19.44	0.0879
77	30	30	656000	3840	DFT-s-OFDM PI/2 BPSK	36@18	22.87	23.09	25.99	21.05	0.1274
77	30	30	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	22.9	23.07	26.00	21.06	0.1275
77	30	30	656000	3840	DFT-s-OFDM PI/2 BPSK	1@76	22.78	23.29	26.05	21.11	0.1292
77	30	30	656000	3840	DFT-s-OFDM QPSK	36@18	22.83	23.17	26.01	21.07	0.1280
77	30	30	656000	3840	DFT-s-OFDM QPSK	1@1	22.89	22.99	25.95	21.01	0.1262
77	30	30	656000	3840	DFT-s-OFDM QPSK	1@76	22.74	23.25	26.01	21.07	0.1280
77	30	30	656000	3840	DFT-s-OFDM 16 QAM	36@18	21.85	22.11	24.99	20.05	0.1012
77	30	30	656000	3840	DFT-s-OFDM 16 QAM	1@1	21.82	21.94	24.89	19.95	0.0989
77	30	30	656000	3840	DFT-s-OFDM 16 QAM	1@76	21.64	22.17	24.92	19.98	0.0996
77	30	30	656000	3840	DFT-s-OFDM 64 QAM	36@18	20.31	20.64	23.49	18.55	0.0716
77	30	30	656000	3840	DFT-s-OFDM 64 QAM	1@1	20.15	20.58	23.38	18.44	0.0698
77	30	30	656000	3840	DFT-s-OFDM 64 QAM	1@76	20.04	20.55	23.31	18.37	0.0688
77	30	30	656000	3840	DFT-s-OFDM 256 QAM	36@18	18.38	18.69	21.55	16.61	0.0458
77	30	30	656000	3840	DFT-s-OFDM 256 QAM	1@1	18.32	18.54	21.44	16.50	0.0447
77	30	30	656000	3840	DFT-s-OFDM 256 QAM	1@76	18.28	18.71	21.51	16.57	0.0454
77	30	30	656000	3840	CP-OFDM QPSK	39@19	21.29	21.55	24.43	19.49	0.0890
77	30	30	656000	3840	CP-OFDM QPSK	1@1	21.31	21.47	24.40	19.46	0.0883
77	30	30	656000	3840	CP-OFDM QPSK	1@76	21.11	21.64	24.39	19.45	0.0882
77	30	30	664332	3964.98	DFT-s-OFDM PI/2 BPSK	36@18	23.04	22.69	25.88	20.94	0.1241
77	30	30	664332	3964.98	DFT-s-OFDM PI/2 BPSK	1@1	22.92	22.58	25.76	20.82	0.1209
77	30	30	664332	3964.98	DFT-s-OFDM PI/2 BPSK	1@76	23.06	22.9	25.99	21.05	0.1274
77	30	30	664332	3964.98	DFT-s-OFDM QPSK	36@18	23.01	22.65	25.84	20.90	0.1231
77	30	30	664332	3964.98	DFT-s-OFDM QPSK	1@1	22.83	22.53	25.69	20.75	0.1189
77	30	30	664332	3964.98	DFT-s-OFDM QPSK	1@76	22.98	22.77	25.89	20.95	0.1244
77	30	30	664332	3964.98	DFT-s-OFDM 16 QAM	36@18	21.99	21.64	24.83	19.89	0.0975
77	30	30	664332	3964.98	DFT-s-OFDM 16 QAM	1@1	21.94	21.62	24.79	19.85	0.0967
77	30	30	664332	3964.98	DFT-s-OFDM 16 QAM	1@76	22.08	21.89	25.00	20.06	0.1013
77	30	30	664332	3964.98	DFT-s-OFDM 64 QAM	36@18	20.51	20.21	23.37	18.43	0.0697
77	30	30	664332	3964.98	DFT-s-OFDM 64 QAM	1@1	20.29	20.2	23.26	18.32	0.0679
77	30	30	664332	3964.98	DFT-s-OFDM 64 QAM	1@76	20.63	20.22	23.44	18.50	0.0708

77	30	30	664332	3964.98	DFT-s-OFDM 256 QAM	36@18	18.51	18.16	21.35	16.41	0.0437
77	30	30	664332	3964.98	DFT-s-OFDM 256 QAM	1@1	18.44	18.1	21.28	16.34	0.0431
77	30	30	664332	3964.98	DFT-s-OFDM 256 QAM	1@76	18.61	18.42	21.53	16.59	0.0456
77	30	30	664332	3964.98	CP-OFDM QPSK	39@19	21.48	21.17	24.34	19.40	0.0871
77	30	30	664332	3964.98	CP-OFDM QPSK	1@1	21.39	21.03	24.22	19.28	0.0848
77	30	30	664332	3964.98	CP-OFDM QPSK	1@76	21.51	21.24	24.39	19.45	0.0881
77	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	50@25	22.39	22.47	25.44	20.50	0.1122
77	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@1	22.93	22.94	25.95	21.01	0.1260
77	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@104	22.95	23.05	26.01	21.07	0.1280
77	30	40	648000	3720	DFT-s-OFDM QPSK	50@25	22.95	22.92	25.95	21.01	0.1260
77	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	22.87	22.76	25.83	20.89	0.1226
77	30	40	648000	3720	DFT-s-OFDM QPSK	1@104	22.9	22.99	25.96	21.02	0.1263
77	30	40	648000	3720	DFT-s-OFDM 16 QAM	50@25	21.91	21.95	24.94	20.00	0.1000
77	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	22.04	21.97	25.02	20.08	0.1018
77	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@104	22.1	22.02	25.07	20.13	0.1031
77	30	40	648000	3720	DFT-s-OFDM 64 QAM	50@25	20.37	20.43	23.41	18.47	0.0703
77	30	40	648000	3720	DFT-s-OFDM 64 QAM	1@1	20.65	20.7	23.69	18.75	0.0749
77	30	40	648000	3720	DFT-s-OFDM 64 QAM	1@104	20.56	20.71	23.65	18.71	0.0742
77	30	40	648000	3720	DFT-s-OFDM 256 QAM	50@25	18.39	18.46	21.44	16.50	0.0446
77	30	40	648000	3720	DFT-s-OFDM 256 QAM	1@1	18.37	18.48	21.44	16.50	0.0446
77	30	40	648000	3720	DFT-s-OFDM 256 QAM	1@104	18.44	18.54	21.50	16.56	0.0453
77	30	40	648000	3720	CP-OFDM QPSK	53@26	21.34	21.44	24.40	19.46	0.0883
77	30	40	648000	3720	CP-OFDM QPSK	1@1	21.37	21.3	24.35	19.41	0.0872
77	30	40	648000	3720	CP-OFDM QPSK	1@104	21.36	21.5	24.44	19.50	0.0891
77	30	40	656000	3840	DFT-s-OFDM PI/2 BPSK	50@25	22.81	23.14	25.99	21.05	0.1273
77	30	40	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	22.93	23	25.98	21.04	0.1269
77	30	40	656000	3840	DFT-s-OFDM PI/2 BPSK	1@104	22.76	23.42	26.11	21.17	0.1310
77	30	40	656000	3840	DFT-s-OFDM QPSK	50@25	22.82	23.05	25.95	21.01	0.1261
77	30	40	656000	3840	DFT-s-OFDM QPSK	1@1	22.92	23.01	25.98	21.04	0.1269
77	30	40	656000	3840	DFT-s-OFDM QPSK	1@104	22.76	23.28	26.04	21.10	0.1288
77	30	40	656000	3840	DFT-s-OFDM 16 QAM	50@25	21.8	22.16	24.99	20.05	0.1013
77	30	40	656000	3840	DFT-s-OFDM 16 QAM	1@1	22.01	22.01	25.02	20.08	0.1019
77	30	40	656000	3840	DFT-s-OFDM 16 QAM	1@104	21.86	22.22	25.05	20.11	0.1027
77	30	40	656000	3840	DFT-s-OFDM 64 QAM	50@25	20.39	20.7	23.56	18.62	0.0727

77	30	40	656000	3840	DFT-s-OFDM 64 QAM	1@1	20.59	20.67	23.64	18.70	0.0741
77	30	40	656000	3840	DFT-s-OFDM 64 QAM	1@104	20.36	20.89	23.64	18.70	0.0742
77	30	40	656000	3840	DFT-s-OFDM 256 QAM	50@25	18.32	18.56	21.45	16.51	0.0448
77	30	40	656000	3840	DFT-s-OFDM 256 QAM	1@1	18.35	18.53	21.45	16.51	0.0448
77	30	40	656000	3840	DFT-s-OFDM 256 QAM	1@104	18.28	18.83	21.57	16.63	0.0461
77	30	40	656000	3840	CP-OFDM QPSK	53@26	21.3	21.49	24.41	19.47	0.0884
77	30	40	656000	3840	CP-OFDM QPSK	1@1	21.36	21.47	24.43	19.49	0.0888
77	30	40	656000	3840	CP-OFDM QPSK	1@104	21.22	21.7	24.48	19.54	0.0899
77	30	40	664000	3960	DFT-s-OFDM PI/2 BPSK	50@25	23	22.72	25.87	20.93	0.1240
77	30	40	664000	3960	DFT-s-OFDM PI/2 BPSK	1@1	23.01	22.69	25.86	20.92	0.1237
77	30	40	664000	3960	DFT-s-OFDM PI/2 BPSK	1@104	23.16	23	26.09	21.15	0.1303
77	30	40	664000	3960	DFT-s-OFDM QPSK	50@25	22.94	22.7	25.83	20.89	0.1228
77	30	40	664000	3960	DFT-s-OFDM QPSK	1@1	22.93	22.63	25.79	20.85	0.1217
77	30	40	664000	3960	DFT-s-OFDM QPSK	1@104	23.05	22.89	25.98	21.04	0.1271
77	30	40	664000	3960	DFT-s-OFDM 16 QAM	50@25	22.03	21.72	24.89	19.95	0.0988
77	30	40	664000	3960	DFT-s-OFDM 16 QAM	1@1	22.1	21.65	24.89	19.95	0.0989
77	30	40	664000	3960	DFT-s-OFDM 16 QAM	1@104	22.14	22.01	25.09	20.15	0.1034
77	30	40	664000	3960	DFT-s-OFDM 64 QAM	50@25	20.54	20.2	23.38	18.44	0.0699
77	30	40	664000	3960	DFT-s-OFDM 64 QAM	1@1	20.45	20.36	23.42	18.48	0.0704
77	30	40	664000	3960	DFT-s-OFDM 64 QAM	1@104	20.74	20.56	23.66	18.72	0.0745
77	30	40	664000	3960	DFT-s-OFDM 256 QAM	50@25	18.42	18.2	21.32	16.38	0.0435
77	30	40	664000	3960	DFT-s-OFDM 256 QAM	1@1	18.57	18.13	21.37	16.43	0.0439
77	30	40	664000	3960	DFT-s-OFDM 256 QAM	1@104	18.66	18.41	21.55	16.61	0.0458
77	30	40	664000	3960	CP-OFDM QPSK	53@26	21.45	21.17	24.32	19.38	0.0867
77	30	40	664000	3960	CP-OFDM QPSK	1@1	21.44	21.04	24.25	19.31	0.0854
77	30	40	664000	3960	CP-OFDM QPSK	1@104	21.57	21.32	24.46	19.52	0.0895
77	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	64@32	22.46	22.57	25.53	20.59	0.1144
77	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@1	22.92	22.96	25.95	21.01	0.1262
77	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@131	22.98	23.03	26.02	21.08	0.1281
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	64@32	23	23.07	26.05	21.11	0.1290
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	22.9	22.86	25.89	20.95	0.1245
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@131	22.89	22.99	25.95	21.01	0.1262
77	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	64@32	21.95	22.08	25.03	20.09	0.1020
77	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	21.94	22.05	25.01	20.07	0.1015

77	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@131	21.98	22.05	25.03	20.09	0.1020
77	30	50	648334	3725.01	DFT-s-OFDM 64 QAM	64@32	20.44	20.53	23.50	18.56	0.0717
77	30	50	648334	3725.01	DFT-s-OFDM 64 QAM	1@1	20.53	20.56	23.56	18.62	0.0727
77	30	50	648334	3725.01	DFT-s-OFDM 64 QAM	1@131	20.61	20.57	23.60	18.66	0.0735
77	30	50	648334	3725.01	DFT-s-OFDM 256 QAM	64@32	18.41	18.52	21.48	16.54	0.0450
77	30	50	648334	3725.01	DFT-s-OFDM 256 QAM	1@1	18.33	18.3	21.33	16.39	0.0435
77	30	50	648334	3725.01	DFT-s-OFDM 256 QAM	1@131	18.36	18.43	21.41	16.47	0.0443
77	30	50	648334	3725.01	CP-OFDM QPSK	67@33	21.4	21.52	24.47	19.53	0.0898
77	30	50	648334	3725.01	CP-OFDM QPSK	1@1	21.3	21.36	24.34	19.40	0.0871
77	30	50	648334	3725.01	CP-OFDM QPSK	1@131	21.38	21.43	24.42	19.48	0.0886
77	30	50	656000	3840	DFT-s-OFDM PI/2 BPSK	64@32	22.81	23.13	25.98	21.04	0.1272
77	30	50	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	22.94	22.93	25.95	21.01	0.1260
77	30	50	656000	3840	DFT-s-OFDM PI/2 BPSK	1@131	22.76	23.26	26.03	21.09	0.1285
77	30	50	656000	3840	DFT-s-OFDM QPSK	64@32	22.89	23.15	26.03	21.09	0.1286
77	30	50	656000	3840	DFT-s-OFDM QPSK	1@1	22.85	22.83	25.85	20.91	0.1233
77	30	50	656000	3840	DFT-s-OFDM QPSK	1@131	22.74	23.17	25.97	21.03	0.1268
77	30	50	656000	3840	DFT-s-OFDM 16 QAM	64@32	21.84	22.11	24.99	20.05	0.1011
77	30	50	656000	3840	DFT-s-OFDM 16 QAM	1@1	21.86	21.82	24.85	19.91	0.0980
77	30	50	656000	3840	DFT-s-OFDM 16 QAM	1@131	21.71	22.25	25.00	20.06	0.1014
77	30	50	656000	3840	DFT-s-OFDM 64 QAM	64@32	20.33	20.65	23.50	18.56	0.0718
77	30	50	656000	3840	DFT-s-OFDM 64 QAM	1@1	20.55	20.55	23.56	18.62	0.0728
77	30	50	656000	3840	DFT-s-OFDM 64 QAM	1@131	20.4	20.92	23.68	18.74	0.0748
77	30	50	656000	3840	DFT-s-OFDM 256 QAM	64@32	18.32	18.66	21.50	16.56	0.0453
77	30	50	656000	3840	DFT-s-OFDM 256 QAM	1@1	18.4	18.35	21.39	16.45	0.0441
77	30	50	656000	3840	DFT-s-OFDM 256 QAM	1@131	18.25	18.8	21.54	16.60	0.0458
77	30	50	656000	3840	CP-OFDM QPSK	67@33	21.37	21.34	24.37	19.43	0.0876
77	30	50	656000	3840	CP-OFDM QPSK	1@1	21.36	21.38	24.38	19.44	0.0879
77	30	50	656000	3840	CP-OFDM QPSK	1@131	21.22	21.63	24.44	19.50	0.0891
77	30	50	663666	3954.99	DFT-s-OFDM PI/2 BPSK	64@32	22.93	22.67	25.81	20.87	0.1222
77	30	50	663666	3954.99	DFT-s-OFDM PI/2 BPSK	1@1	22.87	22.69	25.79	20.85	0.1217
77	30	50	663666	3954.99	DFT-s-OFDM PI/2 BPSK	1@131	22.98	22.93	25.97	21.03	0.1266
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	64@32	22.96	22.65	25.82	20.88	0.1224
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@1	22.77	22.55	25.67	20.73	0.1184
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@131	22.96	22.77	25.88	20.94	0.1241

77	30	50	663666	3954.99	DFT-s-OFDM 16 QAM	64@32	21.91	21.53	24.73	19.79	0.0954
77	30	50	663666	3954.99	DFT-s-OFDM 16 QAM	1@1	21.91	21.72	24.83	19.89	0.0974
77	30	50	663666	3954.99	DFT-s-OFDM 16 QAM	1@131	22.05	21.93	25.00	20.06	0.1014
77	30	50	663666	3954.99	DFT-s-OFDM 64 QAM	64@32	20.39	20.16	23.29	18.35	0.0683
77	30	50	663666	3954.99	DFT-s-OFDM 64 QAM	1@1	20.53	20.26	23.41	18.47	0.0703
77	30	50	663666	3954.99	DFT-s-OFDM 64 QAM	1@131	20.66	20.5	23.59	18.65	0.0733
77	30	50	663666	3954.99	DFT-s-OFDM 256 QAM	64@32	18.43	18.12	21.29	16.35	0.0431
77	30	50	663666	3954.99	DFT-s-OFDM 256 QAM	1@1	18.29	18.18	21.25	16.31	0.0427
77	30	50	663666	3954.99	DFT-s-OFDM 256 QAM	1@131	18.46	18.35	21.42	16.48	0.0444
77	30	50	663666	3954.99	CP-OFDM QPSK	67@33	21.38	21.16	24.28	19.34	0.0859
77	30	50	663666	3954.99	CP-OFDM QPSK	1@1	21.33	21.09	24.22	19.28	0.0848
77	30	50	663666	3954.99	CP-OFDM QPSK	1@131	21.49	21.25	24.38	19.44	0.0879
77	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	81@40	22.44	22.56	25.51	20.57	0.1140
77	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@1	22.91	22.94	25.94	21.00	0.1258
77	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@160	22.93	22.85	25.90	20.96	0.1248
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	81@40	22.94	23.09	26.03	21.09	0.1284
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	22.78	22.84	25.82	20.88	0.1225
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@160	22.85	22.8	25.84	20.90	0.1229
77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	81@40	21.95	22.08	25.03	20.09	0.1020
77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	21.88	21.9	24.90	19.96	0.0991
77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@160	21.93	21.93	24.94	20.00	0.1000
77	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	81@40	20.47	20.55	23.52	18.58	0.0721
77	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	1@1	20.45	20.58	23.53	18.59	0.0722
77	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	1@160	20.38	20.32	23.36	18.42	0.0695
77	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	81@40	18.42	18.51	21.48	16.54	0.0450
77	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	1@1	18.24	18.27	21.27	16.33	0.0429
77	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	1@160	18.28	18.29	21.30	16.36	0.0432
77	30	60	648668	3730.02	CP-OFDM QPSK	81@40	21.34	21.58	24.47	19.53	0.0898
77	30	60	648668	3730.02	CP-OFDM QPSK	1@1	21.32	21.34	24.34	19.40	0.0871
77	30	60	648668	3730.02	CP-OFDM QPSK	1@160	21.36	21.42	24.40	19.46	0.0883
77	30	60	656000	3840	DFT-s-OFDM PI/2 BPSK	81@40	22.79	23.17	25.99	21.05	0.1275
77	30	60	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	22.91	22.85	25.89	20.95	0.1245
77	30	60	656000	3840	DFT-s-OFDM PI/2 BPSK	1@160	22.76	23.22	26.01	21.07	0.1278
77	30	60	656000	3840	DFT-s-OFDM QPSK	81@40	22.85	23.19	26.03	21.09	0.1286

77	30	60	656000	3840	DFT-s-OFDM QPSK	1@1	22.87	22.73	25.81	20.87	0.1222
77	30	60	656000	3840	DFT-s-OFDM QPSK	1@160	22.68	23.14	25.93	20.99	0.1255
77	30	60	656000	3840	DFT-s-OFDM 16 QAM	81@40	21.82	22.13	24.99	20.05	0.1011
77	30	60	656000	3840	DFT-s-OFDM 16 QAM	1@1	22	21.82	24.92	19.98	0.0996
77	30	60	656000	3840	DFT-s-OFDM 16 QAM	1@160	21.78	22.33	25.07	20.13	0.1031
77	30	60	656000	3840	DFT-s-OFDM 64 QAM	81@40	20.32	20.61	23.48	18.54	0.0714
77	30	60	656000	3840	DFT-s-OFDM 64 QAM	1@1	20.54	20.24	23.40	18.46	0.0702
77	30	60	656000	3840	DFT-s-OFDM 64 QAM	1@160	20.26	20.79	23.54	18.60	0.0725
77	30	60	656000	3840	DFT-s-OFDM 256 QAM	81@40	18.33	18.63	21.49	16.55	0.0452
77	30	60	656000	3840	DFT-s-OFDM 256 QAM	1@1	18.35	18.29	21.33	16.39	0.0436
77	30	60	656000	3840	DFT-s-OFDM 256 QAM	1@160	18.19	18.66	21.44	16.50	0.0447
77	30	60	656000	3840	CP-OFDM QPSK	81@40	21.42	21.51	24.48	19.54	0.0899
77	30	60	656000	3840	CP-OFDM QPSK	1@1	21.35	21.34	24.36	19.42	0.0874
77	30	60	656000	3840	CP-OFDM QPSK	1@160	21.21	21.66	24.45	19.51	0.0894
77	30	60	663332	3949.98	DFT-s-OFDM PI/2 BPSK	81@40	22.96	22.74	25.86	20.92	0.1236
77	30	60	663332	3949.98	DFT-s-OFDM PI/2 BPSK	1@1	22.74	22.79	25.78	20.84	0.1212
77	30	60	663332	3949.98	DFT-s-OFDM PI/2 BPSK	1@160	23.02	22.98	26.01	21.07	0.1279
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	81@40	22.96	22.66	25.82	20.88	0.1225
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@1	22.71	22.71	25.72	20.78	0.1197
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@160	22.93	22.8	25.88	20.94	0.1240
77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	81@40	21.99	21.67	24.84	19.90	0.0978
77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	1@1	21.81	21.84	24.84	19.90	0.0976
77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	1@160	22.03	21.99	25.02	20.08	0.1019
77	30	60	663332	3949.98	DFT-s-OFDM 64 QAM	81@40	20.53	20.23	23.39	18.45	0.0700
77	30	60	663332	3949.98	DFT-s-OFDM 64 QAM	1@1	20.22	20.44	23.34	18.40	0.0692
77	30	60	663332	3949.98	DFT-s-OFDM 64 QAM	1@160	20.48	20.36	23.43	18.49	0.0706
77	30	60	663332	3949.98	DFT-s-OFDM 256 QAM	81@40	18.42	18.16	21.30	16.36	0.0433
77	30	60	663332	3949.98	DFT-s-OFDM 256 QAM	1@1	18.27	18.28	21.29	16.35	0.0431
77	30	60	663332	3949.98	DFT-s-OFDM 256 QAM	1@160	18.51	18.43	21.48	16.54	0.0451
77	30	60	663332	3949.98	CP-OFDM QPSK	81@40	21.41	21.24	24.34	19.40	0.0870
77	30	60	663332	3949.98	CP-OFDM QPSK	1@1	21.27	21.3	24.30	19.36	0.0862
77	30	60	663332	3949.98	CP-OFDM QPSK	1@160	21.45	21.32	24.40	19.46	0.0882
77	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	90@45	22.54	22.52	25.54	20.60	0.1148
77	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	1@1	22.96	22.84	25.91	20.97	0.1250

77	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	1@187	23.04	22.73	25.90	20.96	0.1247
77	30	70	649000	3735	DFT-s-OFDM QPSK	90@45	23.15	22.99	26.08	21.14	0.1300
77	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	22.97	22.87	25.93	20.99	0.1256
77	30	70	649000	3735	DFT-s-OFDM QPSK	1@187	22.96	22.81	25.90	20.96	0.1246
77	30	70	649000	3735	DFT-s-OFDM 16 QAM	90@45	22.08	22.03	25.07	20.13	0.1029
77	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	21.9	21.78	24.85	19.91	0.0980
77	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@187	21.88	21.64	24.77	19.83	0.0962
77	30	70	649000	3735	DFT-s-OFDM 64 QAM	90@45	20.62	20.54	23.59	18.65	0.0733
77	30	70	649000	3735	DFT-s-OFDM 64 QAM	1@1	20.6	20.5	23.56	18.62	0.0728
77	30	70	649000	3735	DFT-s-OFDM 64 QAM	1@187	20.6	20.39	23.51	18.57	0.0719
77	30	70	649000	3735	DFT-s-OFDM 256 QAM	90@45	18.5	18.49	21.51	16.57	0.0453
77	30	70	649000	3735	DFT-s-OFDM 256 QAM	1@1	18.41	18.3	21.37	16.43	0.0439
77	30	70	649000	3735	DFT-s-OFDM 256 QAM	1@187	18.44	18.21	21.34	16.40	0.0436
77	30	70	649000	3735	CP-OFDM QPSK	95@47	21.44	21.53	24.50	19.56	0.0903
77	30	70	649000	3735	CP-OFDM QPSK	1@1	21.43	21.31	24.38	19.44	0.0879
77	30	70	649000	3735	CP-OFDM QPSK	1@187	21.47	21.31	24.40	19.46	0.0883
77	30	70	656000	3840	DFT-s-OFDM PI/2 BPSK	90@45	22.93	23.13	26.04	21.10	0.1289
77	30	70	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	23	22.68	25.85	20.91	0.1234
77	30	70	656000	3840	DFT-s-OFDM PI/2 BPSK	1@187	22.88	23.23	26.07	21.13	0.1297
77	30	70	656000	3840	DFT-s-OFDM QPSK	90@45	22.92	23.14	26.04	21.10	0.1289
77	30	70	656000	3840	DFT-s-OFDM QPSK	1@1	22.97	22.62	25.81	20.87	0.1221
77	30	70	656000	3840	DFT-s-OFDM QPSK	1@187	22.78	23.1	25.95	21.01	0.1263
77	30	70	656000	3840	DFT-s-OFDM 16 QAM	90@45	21.94	22.14	25.05	20.11	0.1026
77	30	70	656000	3840	DFT-s-OFDM 16 QAM	1@1	22.02	21.74	24.89	19.95	0.0989
77	30	70	656000	3840	DFT-s-OFDM 16 QAM	1@187	21.88	22.24	25.07	20.13	0.1031
77	30	70	656000	3840	DFT-s-OFDM 64 QAM	90@45	20.46	20.63	23.56	18.62	0.0727
77	30	70	656000	3840	DFT-s-OFDM 64 QAM	1@1	20.61	20.34	23.49	18.55	0.0716
77	30	70	656000	3840	DFT-s-OFDM 64 QAM	1@187	20.46	20.48	23.48	18.54	0.0715
77	30	70	656000	3840	DFT-s-OFDM 256 QAM	90@45	18.46	18.54	21.51	16.57	0.0454
77	30	70	656000	3840	DFT-s-OFDM 256 QAM	1@1	18.48	18.17	21.34	16.40	0.0436
77	30	70	656000	3840	DFT-s-OFDM 256 QAM	1@187	18.25	18.65	21.46	16.52	0.0449
77	30	70	656000	3840	CP-OFDM QPSK	95@47	21.28	21.47	24.39	19.45	0.0880
77	30	70	656000	3840	CP-OFDM QPSK	1@1	21.46	21.16	24.32	19.38	0.0868
77	30	70	656000	3840	CP-OFDM QPSK	1@187	21.3	21.58	24.45	19.51	0.0894

77	30	70	663000	3945	DFT-s-OFDM PI/2 BPSK	90@45	23.14	22.81	25.99	21.05	0.1273
77	30	70	663000	3945	DFT-s-OFDM PI/2 BPSK	1@1	22.84	22.93	25.90	20.96	0.1246
77	30	70	663000	3945	DFT-s-OFDM PI/2 BPSK	1@187	23.04	22.88	25.97	21.03	0.1268
77	30	70	663000	3945	DFT-s-OFDM QPSK	90@45	23.12	22.75	25.95	21.01	0.1262
77	30	70	663000	3945	DFT-s-OFDM QPSK	1@1	22.8	22.87	25.85	20.91	0.1232
77	30	70	663000	3945	DFT-s-OFDM QPSK	1@187	23.01	22.82	25.93	20.99	0.1255
77	30	70	663000	3945	DFT-s-OFDM 16 QAM	90@45	22.16	21.76	24.97	20.03	0.1008
77	30	70	663000	3945	DFT-s-OFDM 16 QAM	1@1	21.89	21.94	24.93	19.99	0.0997
77	30	70	663000	3945	DFT-s-OFDM 16 QAM	1@187	22.06	21.82	24.95	20.01	0.1003
77	30	70	663000	3945	DFT-s-OFDM 64 QAM	90@45	20.66	20.27	23.48	18.54	0.0714
77	30	70	663000	3945	DFT-s-OFDM 64 QAM	1@1	20.04	20.09	23.08	18.14	0.0651
77	30	70	663000	3945	DFT-s-OFDM 64 QAM	1@187	20.31	20.07	23.20	18.26	0.0670
77	30	70	663000	3945	DFT-s-OFDM 256 QAM	90@45	18.59	18.14	21.38	16.44	0.0441
77	30	70	663000	3945	DFT-s-OFDM 256 QAM	1@1	18.24	18.37	21.32	16.38	0.0434
77	30	70	663000	3945	DFT-s-OFDM 256 QAM	1@187	18.5	18.33	21.43	16.49	0.0445
77	30	70	663000	3945	CP-OFDM QPSK	95@47	21.48	21.33	24.42	19.48	0.0886
77	30	70	663000	3945	CP-OFDM QPSK	1@1	21.37	21.44	24.42	19.48	0.0886
77	30	70	663000	3945	CP-OFDM QPSK	1@187	21.6	21.24	24.43	19.49	0.0890
77	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	108@54	22.53	22.44	25.50	20.56	0.1136
77	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@1	22.99	22.8	25.91	20.97	0.1249
77	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@215	22.9	22.77	25.85	20.91	0.1232
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	108@54	23.07	23	26.05	21.11	0.1290
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	22.94	22.82	25.89	20.95	0.1245
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@215	22.98	22.68	25.84	20.90	0.1231
77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	108@54	22.06	21.97	25.03	20.09	0.1020
77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	22.06	21.92	25.00	20.06	0.1014
77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@215	22.1	21.79	24.96	20.02	0.1004
77	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	108@54	20.55	20.48	23.53	18.59	0.0722
77	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	1@1	20.33	20.45	23.40	18.46	0.0702
77	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	1@215	20.62	20.31	23.48	18.54	0.0714
77	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	108@54	18.56	18.46	21.52	16.58	0.0455
77	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	1@1	18.36	18.3	21.34	16.40	0.0437
77	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	1@215	18.53	18.18	21.37	16.43	0.0439
77	30	80	649334	3740.01	CP-OFDM QPSK	109@54	21.48	21.43	24.47	19.53	0.0896

77	30	80	649334	3740.01	CP-OFDM QPSK	1@1	21.47	21.18	24.34	19.40	0.0871
77	30	80	649334	3740.01	CP-OFDM QPSK	1@215	21.45	21.26	24.37	19.43	0.0876
77	30	80	656000	3840	DFT-s-OFDM PI/2 BPSK	108@54	22.96	23.15	26.07	21.13	0.1296
77	30	80	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	23.02	22.76	25.90	20.96	0.1248
77	30	80	656000	3840	DFT-s-OFDM PI/2 BPSK	1@215	22.82	23.23	26.04	21.10	0.1288
77	30	80	656000	3840	DFT-s-OFDM QPSK	108@54	22.95	23.13	26.05	21.11	0.1292
77	30	80	656000	3840	DFT-s-OFDM QPSK	1@1	23.03	22.73	25.89	20.95	0.1245
77	30	80	656000	3840	DFT-s-OFDM QPSK	1@215	22.78	23.17	25.99	21.05	0.1273
77	30	80	656000	3840	DFT-s-OFDM 16 QAM	108@54	21.93	22.12	25.04	20.10	0.1022
77	30	80	656000	3840	DFT-s-OFDM 16 QAM	1@1	22.12	21.77	24.96	20.02	0.1004
77	30	80	656000	3840	DFT-s-OFDM 16 QAM	1@215	21.9	22.25	25.09	20.15	0.1035
77	30	80	656000	3840	DFT-s-OFDM 64 QAM	108@54	20.48	20.58	23.54	18.60	0.0725
77	30	80	656000	3840	DFT-s-OFDM 64 QAM	1@1	20.28	20.3	23.30	18.36	0.0686
77	30	80	656000	3840	DFT-s-OFDM 64 QAM	1@215	20.04	20.72	23.40	18.46	0.0702
77	30	80	656000	3840	DFT-s-OFDM 256 QAM	108@54	18.39	18.6	21.51	16.57	0.0454
77	30	80	656000	3840	DFT-s-OFDM 256 QAM	1@1	18.39	18.12	21.27	16.33	0.0429
77	30	80	656000	3840	DFT-s-OFDM 256 QAM	1@215	18.21	18.56	21.40	16.46	0.0442
77	30	80	656000	3840	CP-OFDM QPSK	109@54	21.47	21.44	24.47	19.53	0.0896
77	30	80	656000	3840	CP-OFDM QPSK	1@1	21.48	21.16	24.33	19.39	0.0870
77	30	80	656000	3840	CP-OFDM QPSK	1@215	21.3	21.53	24.43	19.49	0.0889
77	30	80	662666	3939.99	DFT-s-OFDM PI/2 BPSK	108@54	23.05	22.79	25.93	20.99	0.1257
77	30	80	662666	3939.99	DFT-s-OFDM PI/2 BPSK	1@1	22.81	22.98	25.91	20.97	0.1249
77	30	80	662666	3939.99	DFT-s-OFDM PI/2 BPSK	1@215	23.12	22.91	26.03	21.09	0.1284
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	108@54	23.09	22.71	25.91	20.97	0.1252
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	1@1	22.73	22.94	25.85	20.91	0.1232
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	1@215	23	22.79	25.91	20.97	0.1249
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	108@54	22.03	21.73	24.89	19.95	0.0989
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	1@1	21.81	21.98	24.91	19.97	0.0992
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	1@215	22.1	21.96	25.04	20.10	0.1023
77	30	80	662666	3939.99	DFT-s-OFDM 64 QAM	108@54	20.56	20.21	23.40	18.46	0.0701
77	30	80	662666	3939.99	DFT-s-OFDM 64 QAM	1@1	20.17	20.55	23.37	18.43	0.0697
77	30	80	662666	3939.99	DFT-s-OFDM 64 QAM	1@215	20.67	20.26	23.48	18.54	0.0715
77	30	80	662666	3939.99	DFT-s-OFDM 256 QAM	108@54	18.52	18.26	21.40	16.46	0.0443
77	30	80	662666	3939.99	DFT-s-OFDM 256 QAM	1@1	18.19	18.4	21.31	16.37	0.0433

77	30	80	662666	3939.99	DFT-s-OFDM 256 QAM	1@215	18.49	18.41	21.46	16.52	0.0449
77	30	80	662666	3939.99	CP-OFDM QPSK	109@54	21.44	21.38	24.42	19.48	0.0887
77	30	80	662666	3939.99	CP-OFDM QPSK	1@1	21.22	21.47	24.36	19.42	0.0874
77	30	80	662666	3939.99	CP-OFDM QPSK	1@215	21.47	21.13	24.31	19.37	0.0866
77	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	120@60	22.6	22.43	25.53	20.59	0.1144
77	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@1	22.96	22.87	25.93	20.99	0.1255
77	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@243	23.07	22.72	25.91	20.97	0.1250
77	30	90	649668	3745.02	DFT-s-OFDM QPSK	120@60	23.1	22.96	26.04	21.10	0.1289
77	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	22.9	22.81	25.87	20.93	0.1238
77	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@243	22.92	22.66	25.80	20.86	0.1220
77	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	120@60	22.08	21.96	25.03	20.09	0.1021
77	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	21.99	21.84	24.93	19.99	0.0997
77	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@243	22.06	21.7	24.89	19.95	0.0989
77	30	90	649668	3745.02	DFT-s-OFDM 64 QAM	120@60	20.57	20.48	23.54	18.60	0.0724
77	30	90	649668	3745.02	DFT-s-OFDM 64 QAM	1@1	20.61	20.12	23.38	18.44	0.0699
77	30	90	649668	3745.02	DFT-s-OFDM 64 QAM	1@243	20.59	20.32	23.47	18.53	0.0712
77	30	90	649668	3745.02	DFT-s-OFDM 256 QAM	120@60	18.57	18.48	21.54	16.60	0.0457
77	30	90	649668	3745.02	DFT-s-OFDM 256 QAM	1@1	18.39	18.19	21.30	16.36	0.0433
77	30	90	649668	3745.02	DFT-s-OFDM 256 QAM	1@243	18.37	18.04	21.22	16.28	0.0424
77	30	90	649668	3745.02	CP-OFDM QPSK	123@61	21.5	21.34	24.43	19.49	0.0889
77	30	90	649668	3745.02	CP-OFDM QPSK	1@1	21.34	21.33	24.35	19.41	0.0872
77	30	90	649668	3745.02	CP-OFDM QPSK	1@243	21.42	21.11	24.28	19.34	0.0859
77	30	90	656000	3840	DFT-s-OFDM PI/2 BPSK	120@60	22.9	23.1	26.01	21.07	0.1280
77	30	90	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	23.04	22.67	25.87	20.93	0.1239
77	30	90	656000	3840	DFT-s-OFDM PI/2 BPSK	1@243	22.83	23.15	26.00	21.06	0.1277
77	30	90	656000	3840	DFT-s-OFDM QPSK	120@60	22.91	23.15	26.04	21.10	0.1289
77	30	90	656000	3840	DFT-s-OFDM QPSK	1@1	22.97	22.61	25.80	20.86	0.1220
77	30	90	656000	3840	DFT-s-OFDM QPSK	1@243	22.76	23.06	25.92	20.98	0.1254
77	30	90	656000	3840	DFT-s-OFDM 16 QAM	120@60	21.91	22.12	25.03	20.09	0.1020
77	30	90	656000	3840	DFT-s-OFDM 16 QAM	1@1	22.06	21.69	24.89	19.95	0.0988
77	30	90	656000	3840	DFT-s-OFDM 16 QAM	1@243	21.83	22.25	25.06	20.12	0.1027
77	30	90	656000	3840	DFT-s-OFDM 64 QAM	120@60	20.46	20.61	23.55	18.61	0.0725
77	30	90	656000	3840	DFT-s-OFDM 64 QAM	1@1	20.67	20.29	23.49	18.55	0.0717
77	30	90	656000	3840	DFT-s-OFDM 64 QAM	1@243	20.12	20.74	23.45	18.51	0.0710

77	30	90	656000	3840	DFT-s-OFDM 256 QAM	120@60	18.43	18.58	21.52	16.58	0.0455
77	30	90	656000	3840	DFT-s-OFDM 256 QAM	1@1	18.43	18.13	21.29	16.35	0.0432
77	30	90	656000	3840	DFT-s-OFDM 256 QAM	1@243	18.24	18.57	21.42	16.48	0.0444
77	30	90	656000	3840	CP-OFDM QPSK	123@61	21.51	21.45	24.49	19.55	0.0902
77	30	90	656000	3840	CP-OFDM QPSK	1@1	21.44	21.18	24.32	19.38	0.0867
77	30	90	656000	3840	CP-OFDM QPSK	1@243	21.22	21.56	24.40	19.46	0.0884
77	30	90	662332	3934.98	DFT-s-OFDM PI/2 BPSK	120@60	22.92	22.76	25.85	20.91	0.1233
77	30	90	662332	3934.98	DFT-s-OFDM PI/2 BPSK	1@1	22.69	23.02	25.87	20.93	0.1238
77	30	90	662332	3934.98	DFT-s-OFDM PI/2 BPSK	1@243	22.95	22.78	25.88	20.94	0.1241
77	30	90	662332	3934.98	DFT-s-OFDM QPSK	120@60	22.97	22.77	25.88	20.94	0.1242
77	30	90	662332	3934.98	DFT-s-OFDM QPSK	1@1	22.61	22.99	25.81	20.87	0.1223
77	30	90	662332	3934.98	DFT-s-OFDM QPSK	1@243	22.88	22.7	25.80	20.86	0.1219
77	30	90	662332	3934.98	DFT-s-OFDM 16 QAM	120@60	21.95	21.74	24.86	19.92	0.0981
77	30	90	662332	3934.98	DFT-s-OFDM 16 QAM	1@1	21.73	22.06	24.91	19.97	0.0993
77	30	90	662332	3934.98	DFT-s-OFDM 16 QAM	1@243	22	21.9	24.96	20.02	0.1005
77	30	90	662332	3934.98	DFT-s-OFDM 64 QAM	120@60	20.47	20.21	23.35	18.41	0.0694
77	30	90	662332	3934.98	DFT-s-OFDM 64 QAM	1@1	20.22	20.45	23.35	18.41	0.0693
77	30	90	662332	3934.98	DFT-s-OFDM 64 QAM	1@243	20.54	20.35	23.46	18.52	0.0711
77	30	90	662332	3934.98	DFT-s-OFDM 256 QAM	120@60	18.5	18.2	21.36	16.42	0.0439
77	30	90	662332	3934.98	DFT-s-OFDM 256 QAM	1@1	18.13	18.41	21.28	16.34	0.0431
77	30	90	662332	3934.98	DFT-s-OFDM 256 QAM	1@243	18.31	18.21	21.27	16.33	0.0430
77	30	90	662332	3934.98	CP-OFDM QPSK	123@61	21.31	21.39	24.36	19.42	0.0875
77	30	90	662332	3934.98	CP-OFDM QPSK	1@1	21.14	21.41	24.29	19.35	0.0860
77	30	90	662332	3934.98	CP-OFDM QPSK	1@243	21.33	21.06	24.21	19.27	0.0845
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	22.56	22.38	25.48	20.54	0.1133
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	22.97	22.83	25.91	20.97	0.1251
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	22.93	22.71	25.83	20.89	0.1228
77	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	23.1	22.97	26.05	21.11	0.1290
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	22.85	22.74	25.81	20.87	0.1221
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	22.88	22.7	25.80	20.86	0.1219
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	22.11	21.91	25.02	20.08	0.1019
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.97	21.85	24.92	19.98	0.0996
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	21.93	21.8	24.88	19.94	0.0985
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	20.5	20.45	23.49	18.55	0.0715

77	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	20.38	20.35	23.38	18.44	0.0697
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	20.48	20.26	23.38	18.44	0.0699
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	18.48	18.35	21.43	16.49	0.0445
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	18.33	18.24	21.30	16.36	0.0432
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	18.38	18.18	21.29	16.35	0.0432
77	30	100	650000	3750	CP-OFDM QPSK	137@68	21.47	21.39	24.44	19.50	0.0891
77	30	100	650000	3750	CP-OFDM QPSK	1@1	21.4	21.22	24.32	19.38	0.0867
77	30	100	650000	3750	CP-OFDM QPSK	1@271	21.35	21.26	24.32	19.38	0.0866
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	135@67	22.92	23.14	26.04	21.10	0.1289
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	23.03	22.7	25.88	20.94	0.1241
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@271	22.8	23.14	25.98	21.04	0.1272
77	30	100	656000	3840	DFT-s-OFDM QPSK	135@67	22.92	23.02	25.98	21.04	0.1271
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@1	22.95	22.66	25.82	20.88	0.1224
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@271	22.77	23.04	25.92	20.98	0.1252
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	135@67	21.95	22.13	25.05	20.11	0.1026
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	1@1	22.01	21.66	24.85	19.91	0.0979
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	1@271	21.83	22.11	24.98	20.04	0.1010
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	135@67	20.36	20.57	23.48	18.54	0.0714
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	1@1	20.57	20.21	23.40	18.46	0.0702
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	1@271	20.4	20.64	23.53	18.59	0.0723
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	135@67	18.35	18.58	21.48	16.54	0.0450
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	1@1	18.4	18.01	21.22	16.28	0.0425
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	1@271	18.2	18.55	21.39	16.45	0.0441
77	30	100	656000	3840	CP-OFDM QPSK	137@68	21.4	21.59	24.51	19.57	0.0905
77	30	100	656000	3840	CP-OFDM QPSK	1@1	21.49	21.14	24.33	19.39	0.0869
77	30	100	656000	3840	CP-OFDM QPSK	1@271	21.27	21.59	24.44	19.50	0.0892
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	135@67	22.97	22.84	25.92	20.98	0.1252
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	1@1	22.71	23.09	25.91	20.97	0.1252
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	1@271	22.97	22.88	25.94	21.00	0.1258
77	30	100	662000	3930	DFT-s-OFDM QPSK	135@67	22.96	22.8	25.89	20.95	0.1245
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@1	22.61	22.98	25.81	20.87	0.1222
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@271	22.94	22.7	25.83	20.89	0.1228
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	135@67	21.96	21.76	24.87	19.93	0.0984
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	1@1	21.76	22.11	24.95	20.01	0.1002

77	30	100	662000	3930	DFT-s-OFDM 16 QAM	1@271	22.09	21.94	25.03	20.09	0.1020
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	135@67	20.39	20.26	23.34	18.40	0.0691
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	1@1	20.26	20.58	23.43	18.49	0.0707
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	1@271	20.48	20.41	23.46	18.52	0.0710
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	135@67	18.38	18.27	21.34	16.40	0.0436
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	1@1	18.27	18.51	21.40	16.46	0.0443
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	1@271	18.45	18.38	21.43	16.49	0.0445
77	30	100	662000	3930	CP-OFDM QPSK	137@68	21.32	21.52	24.43	19.49	0.0889
77	30	100	662000	3930	CP-OFDM QPSK	1@1	21.13	21.53	24.34	19.40	0.0872
77	30	100	662000	3930	CP-OFDM QPSK	1@271	21.42	21.15	24.30	19.36	0.0862

FR1 N77 SCS 30kHz (MIMO ANT3)

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.00226	PASS	NV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.00347	PASS	LV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.00315	PASS	HV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.00469	PASS	-30°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.00564	PASS	-20°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.00666	PASS	-10°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.00215	PASS	0°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.00496	PASS	10°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.00673	PASS	20°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0031	PASS	30°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.00381	PASS	40°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.00205	PASS	50°C

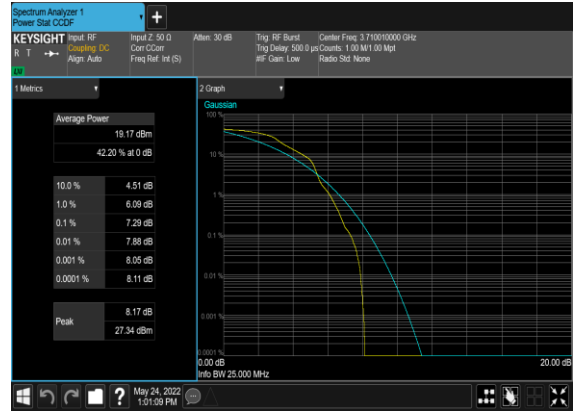
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	50@0	7.33	13	PASS
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@0	7.29	13	PASS
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	50@0	8.48	13	PASS
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	8.5	13	PASS
77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	50@0	7.31	13	PASS
77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	1@0	7.05	13	PASS
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	8.5	13	PASS
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	1@0	8.49	13	PASS
77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	50@0	7.26	13	PASS
77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	1@0	7.12	13	PASS
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	50@0	8.56	13	PASS
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@0	8.55	13	PASS

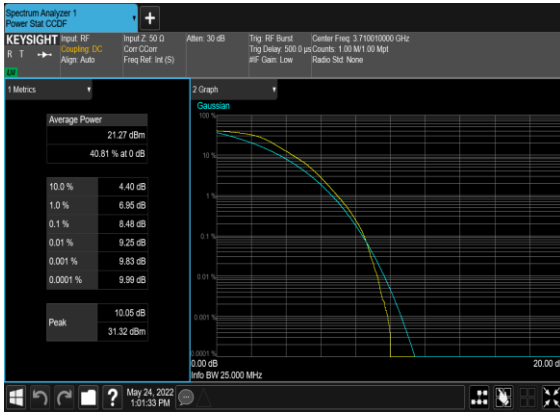
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



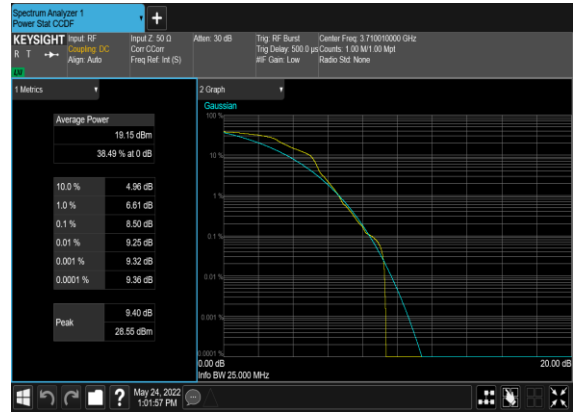
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



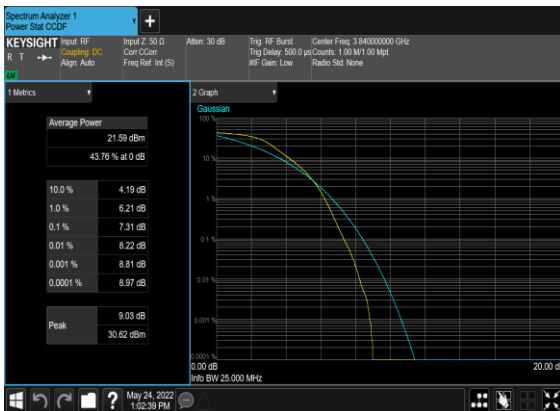
N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



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

