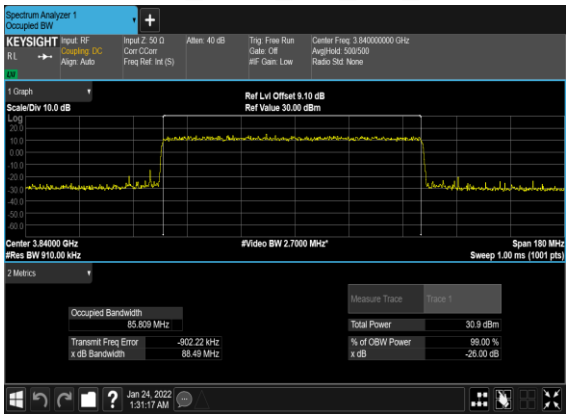
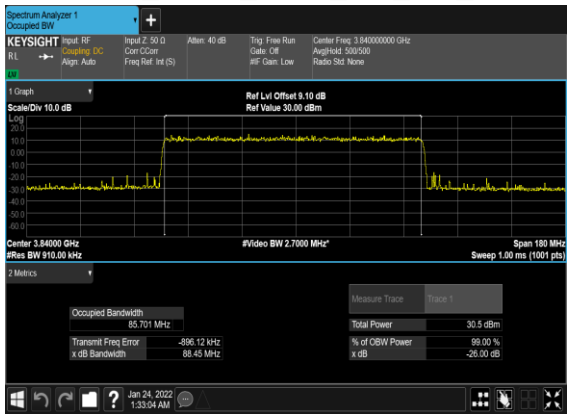
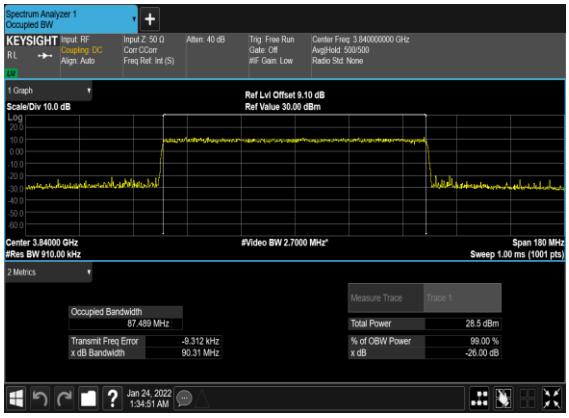
N77(90M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



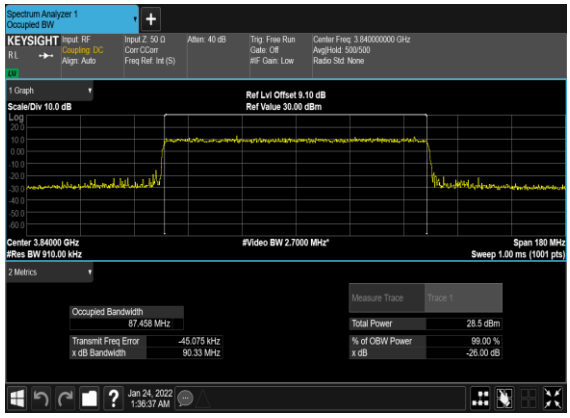
N77(90M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N77(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

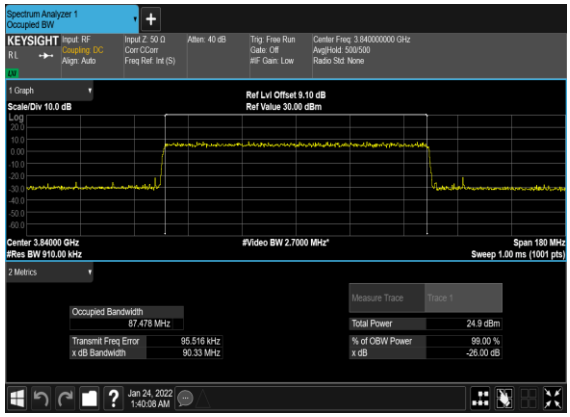


N77(90M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

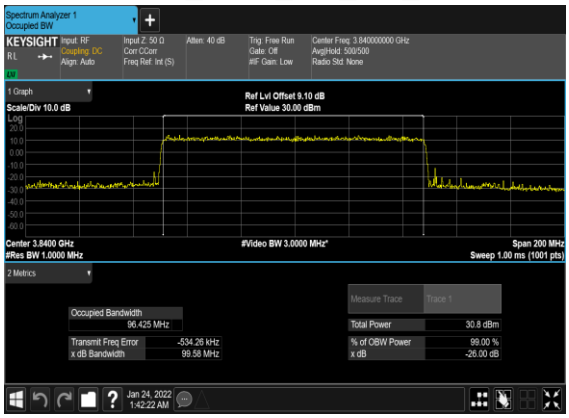


N77(90M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

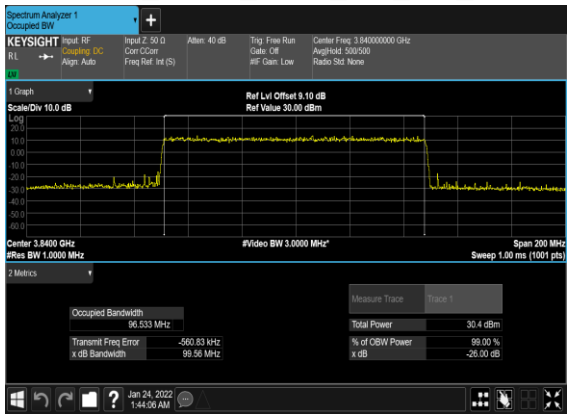
N77(90M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



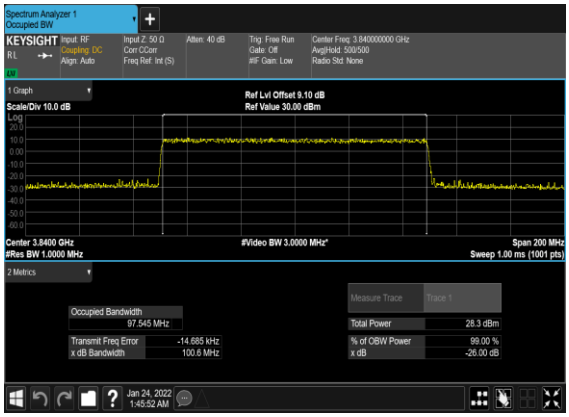
N77(100M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



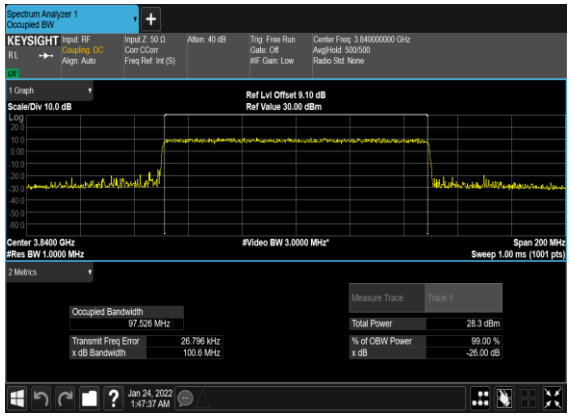
N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



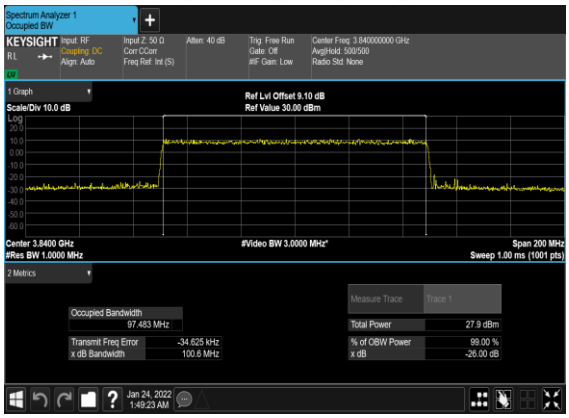
N77(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



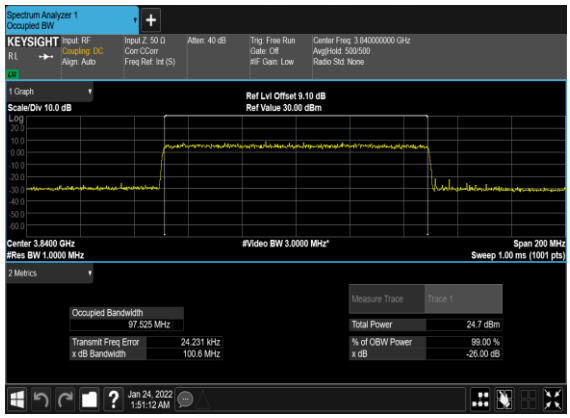
N77(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



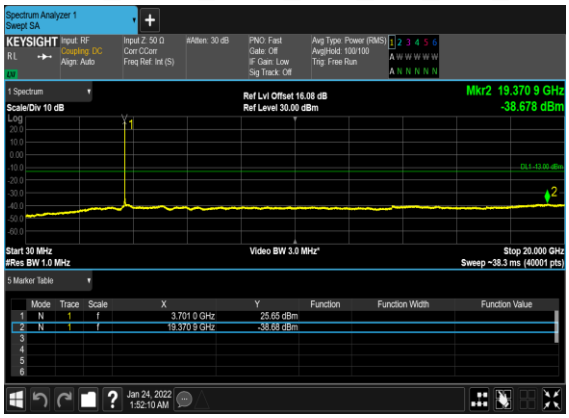
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	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	**---**

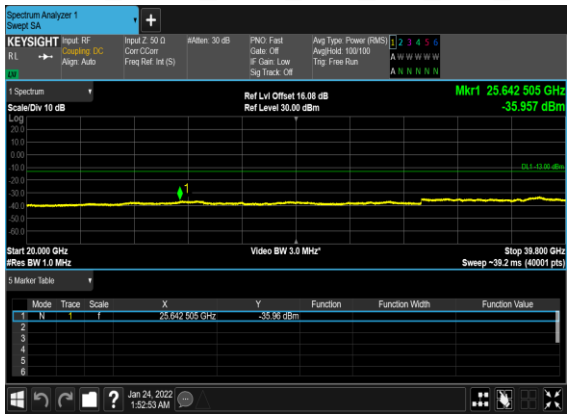
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph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

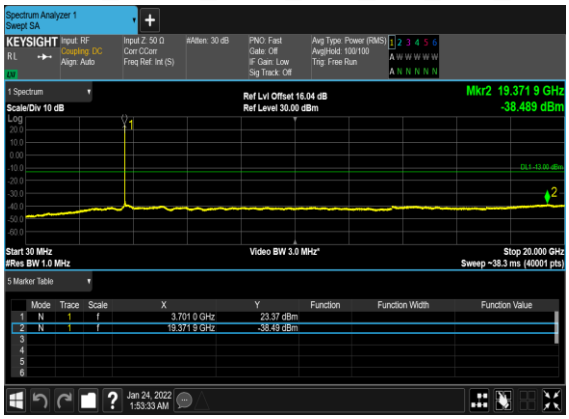
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



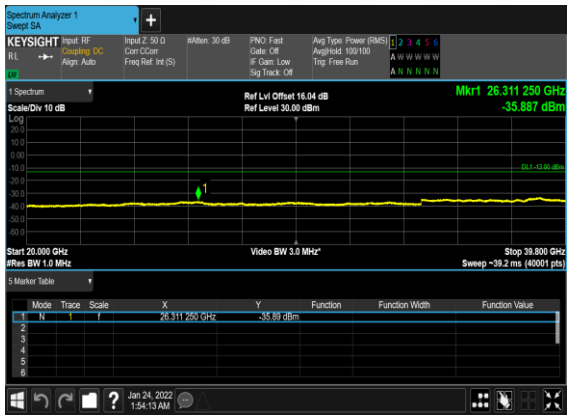
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



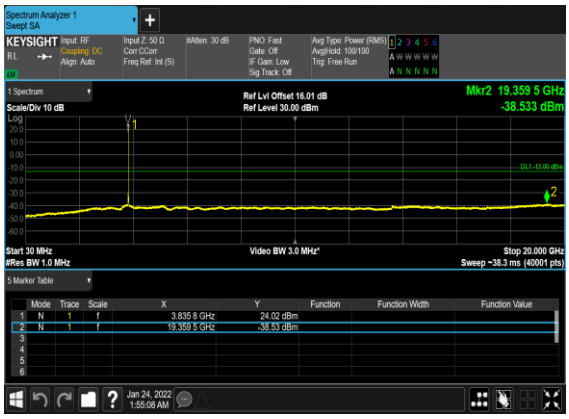
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



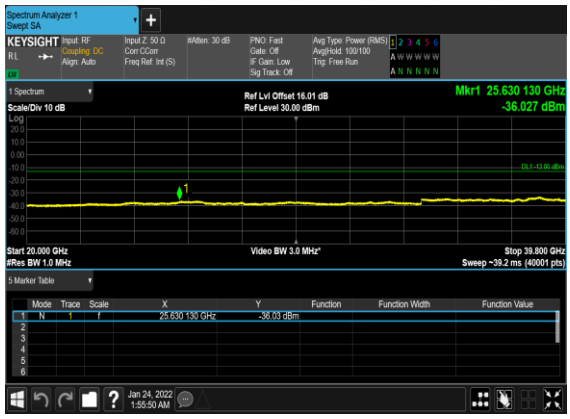
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



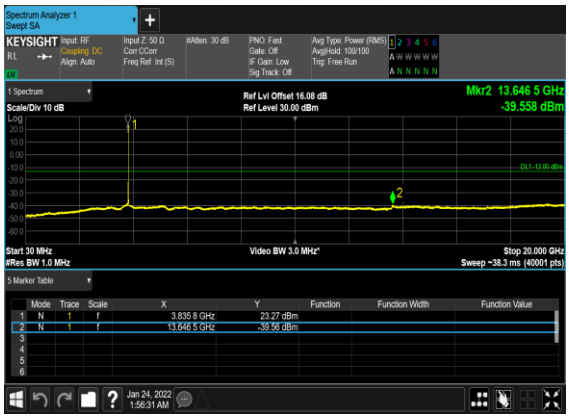
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



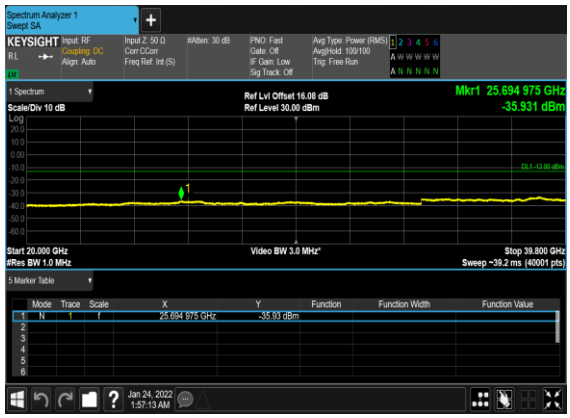
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



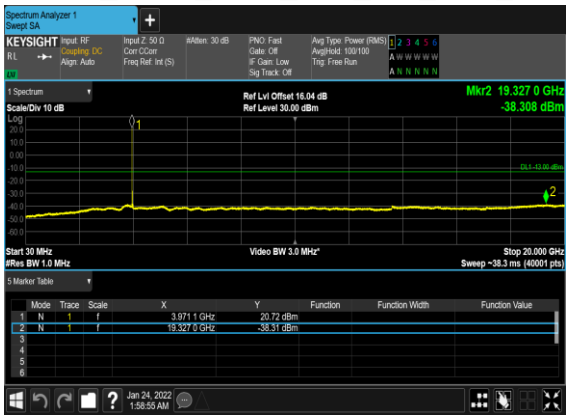
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



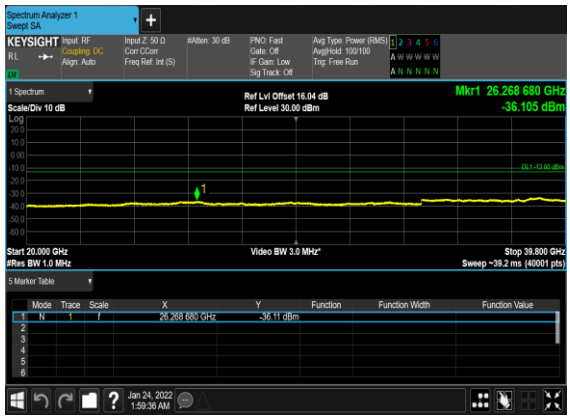
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



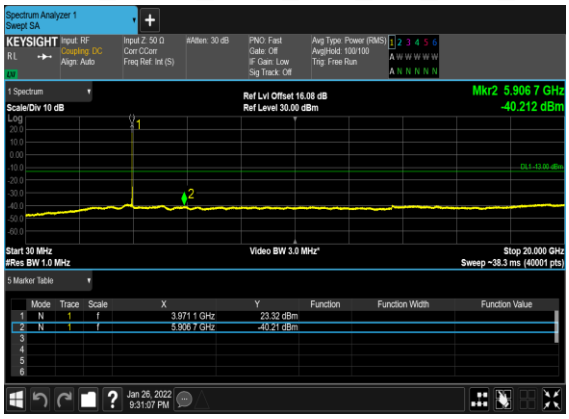
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



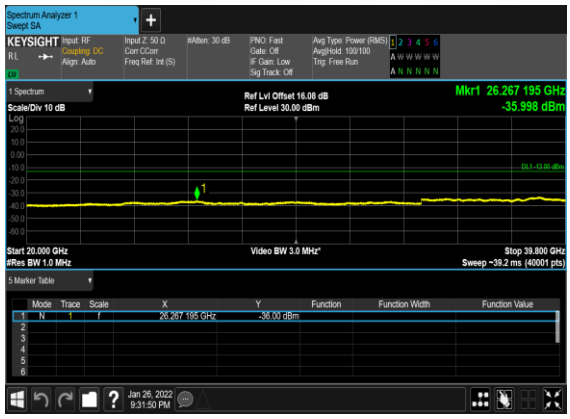
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



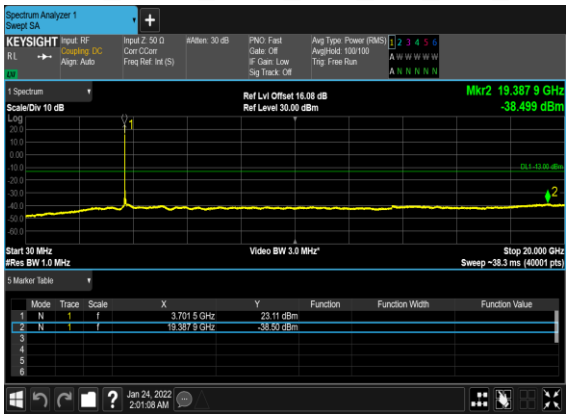
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



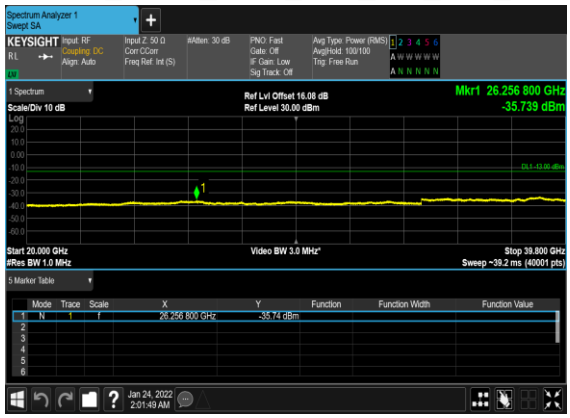
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



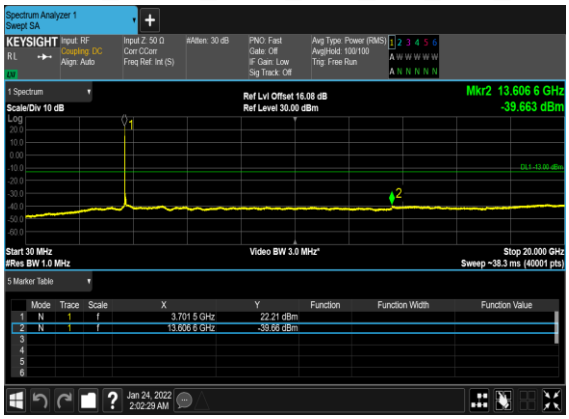
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



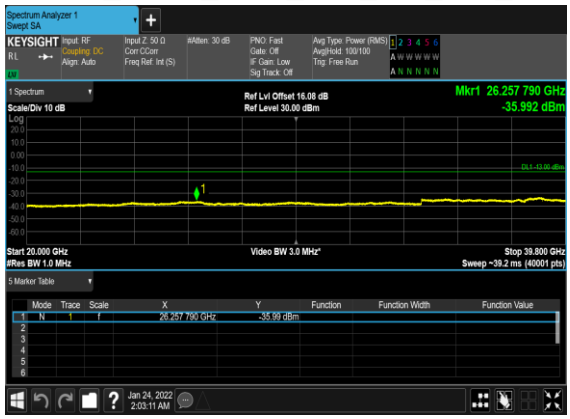
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



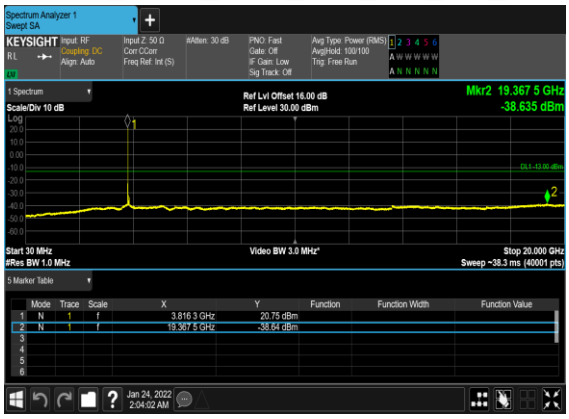
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



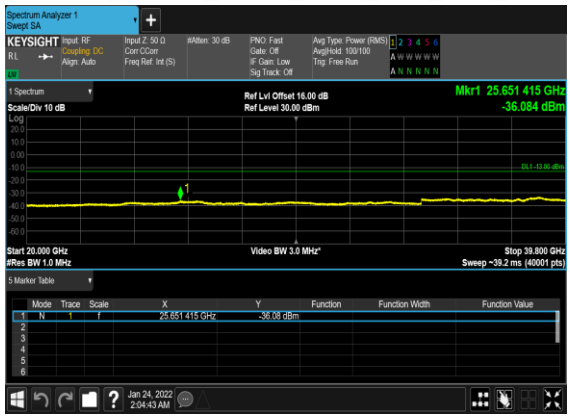
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



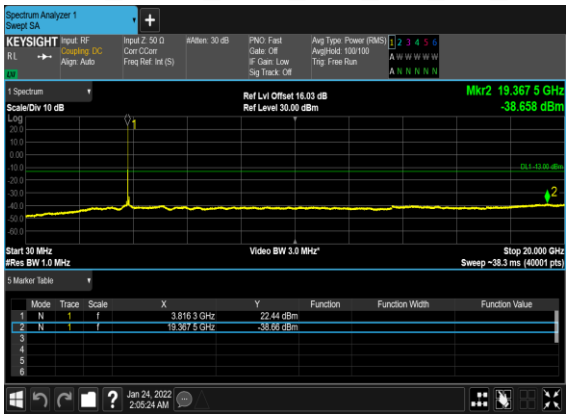
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



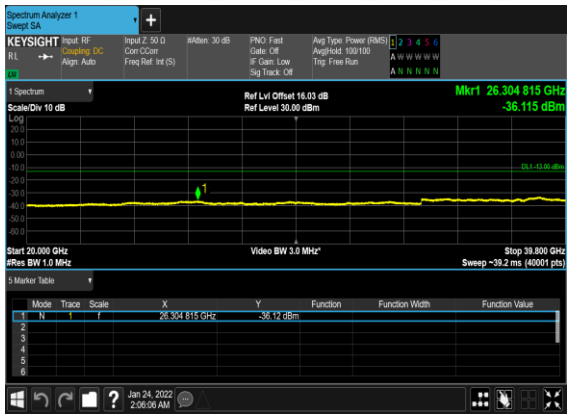
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



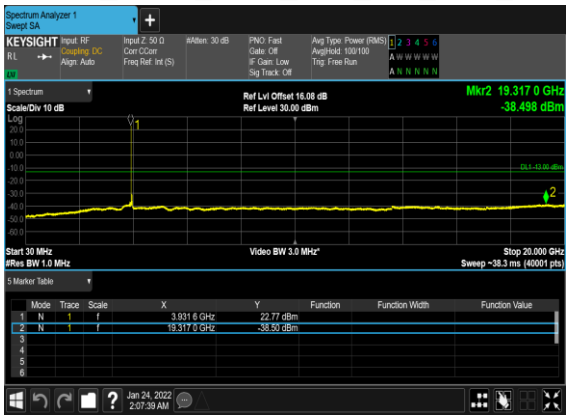
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



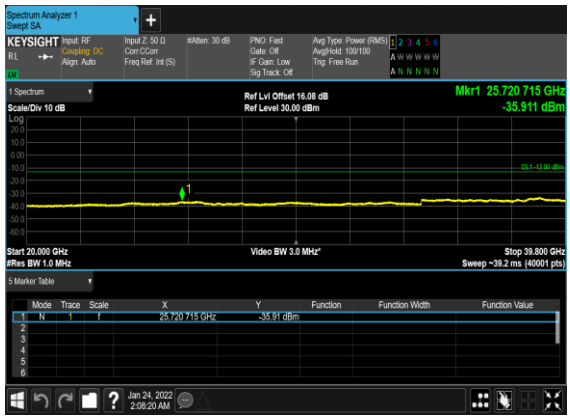
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



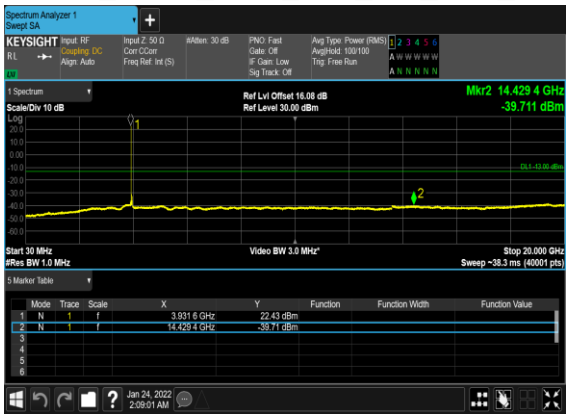
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



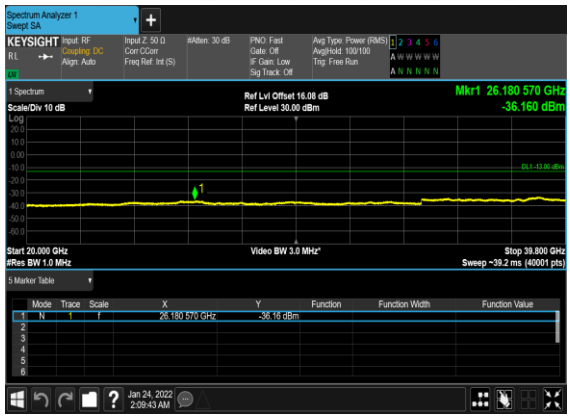
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



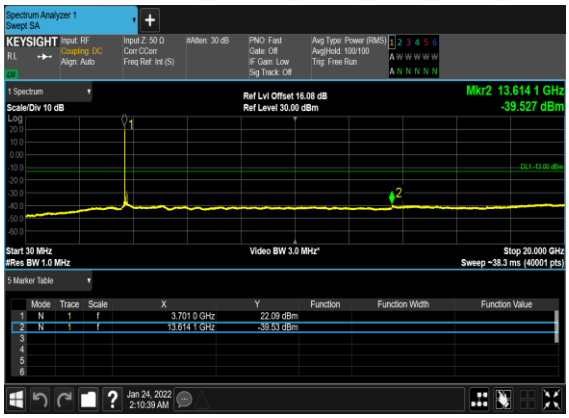
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



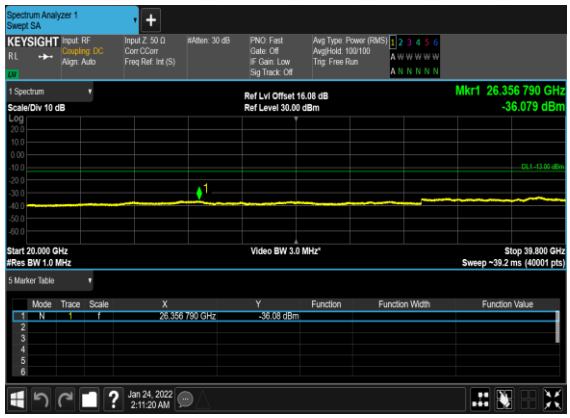
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



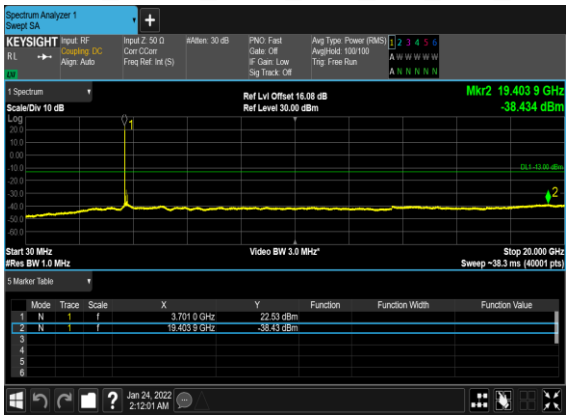
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



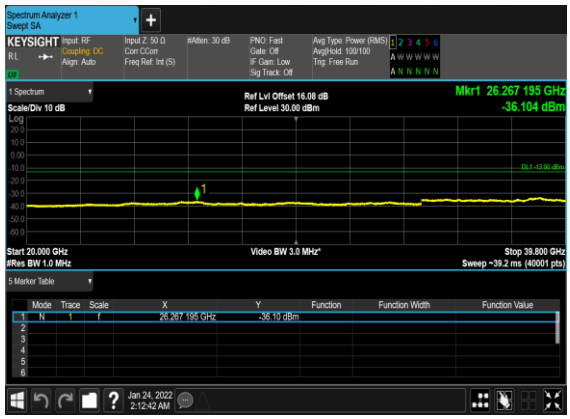
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



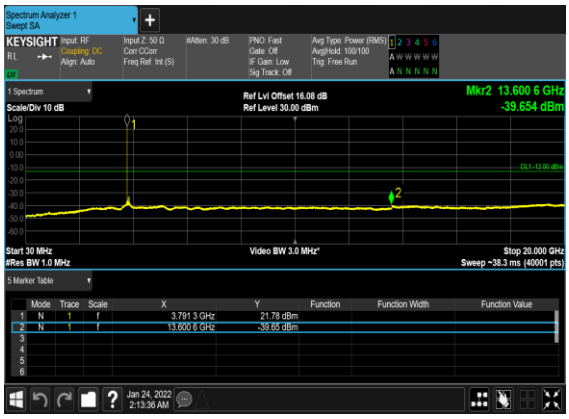
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



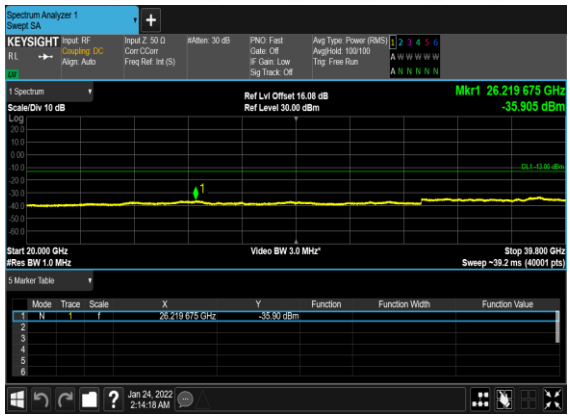
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



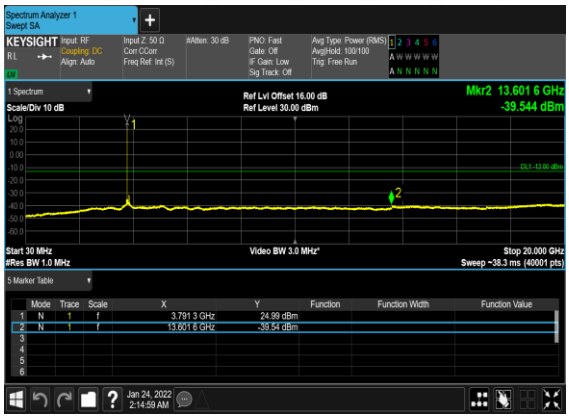
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



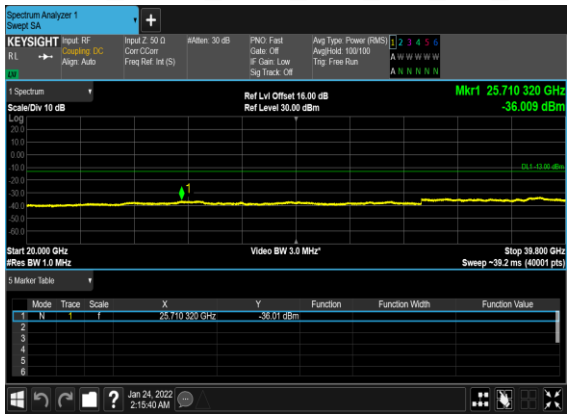
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



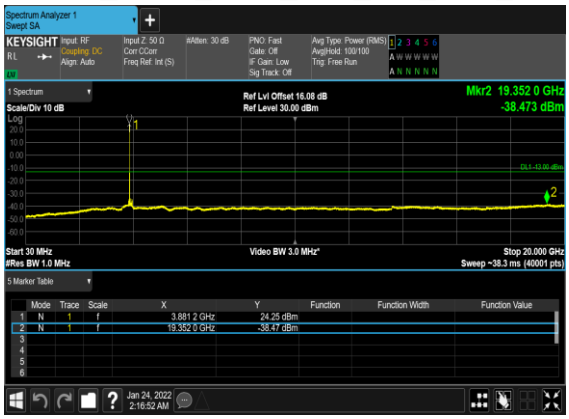
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



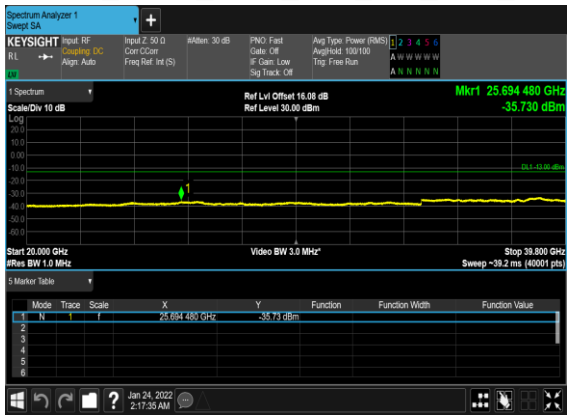
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



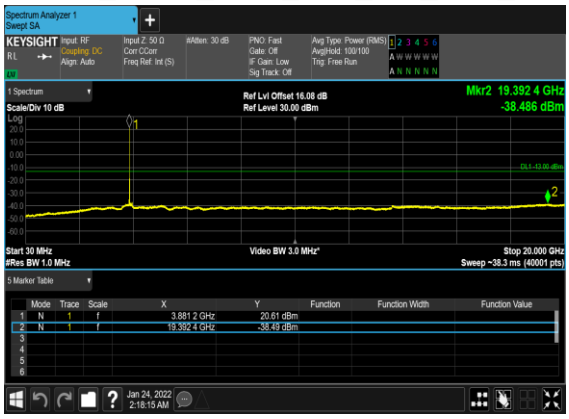
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



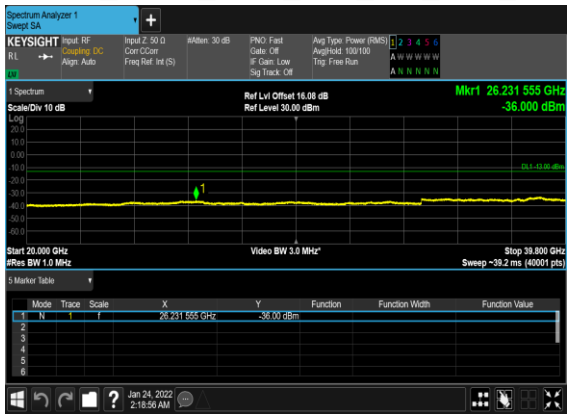
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



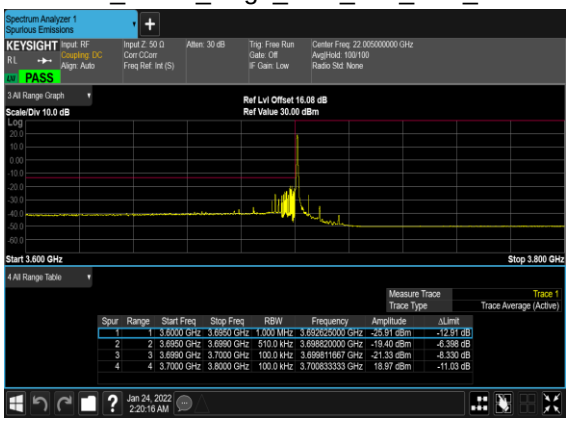
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



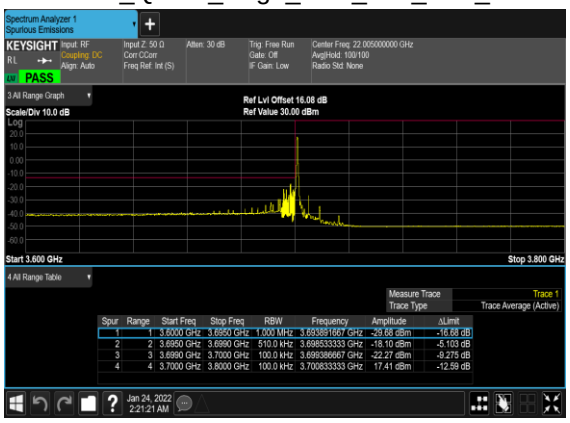
Conducted Band Edge

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



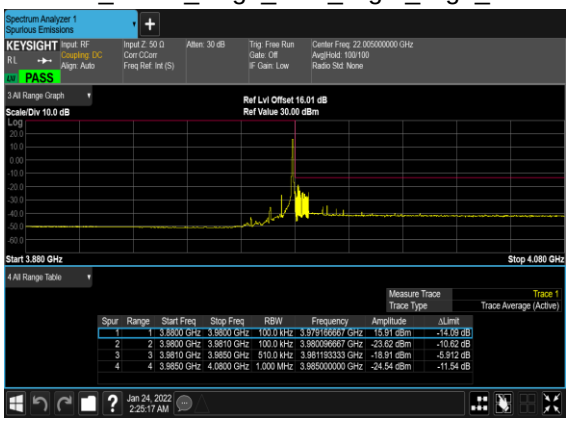
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

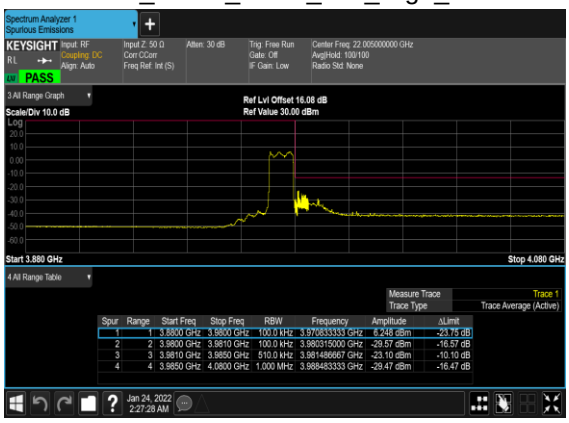
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

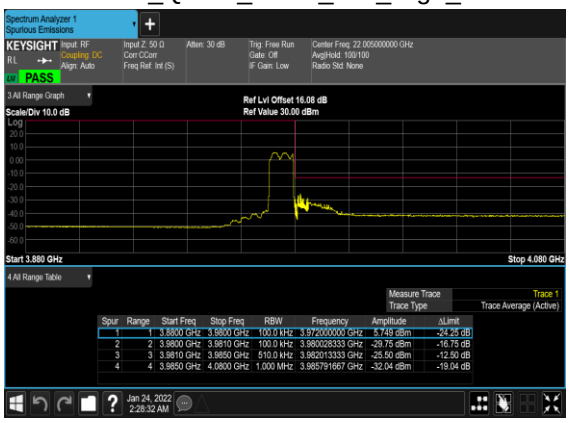


N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

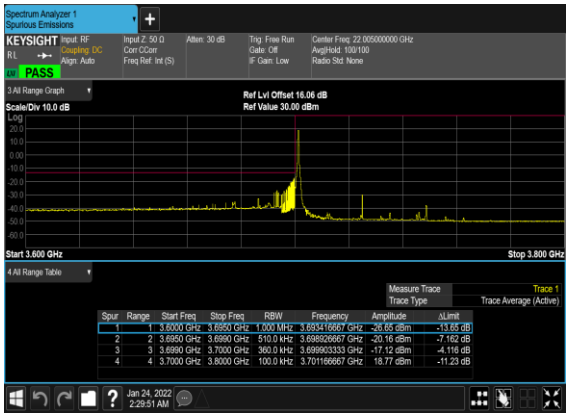
N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



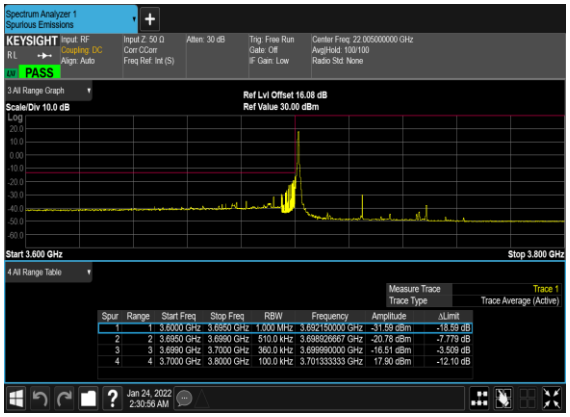
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



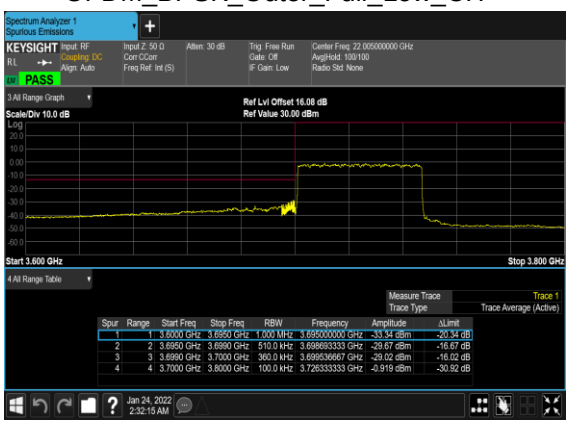
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



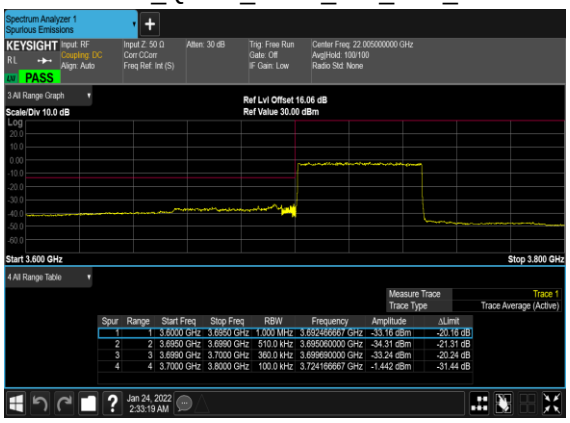
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



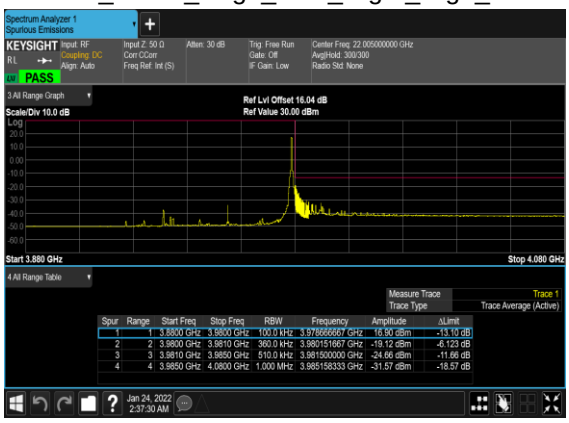
N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



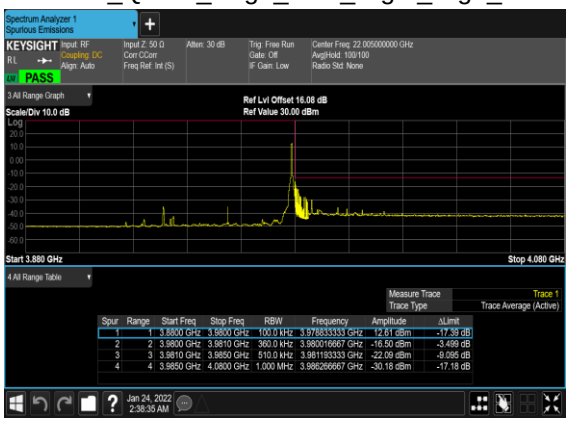
N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



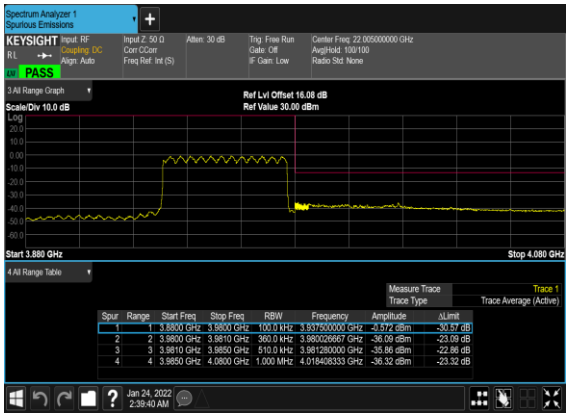
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



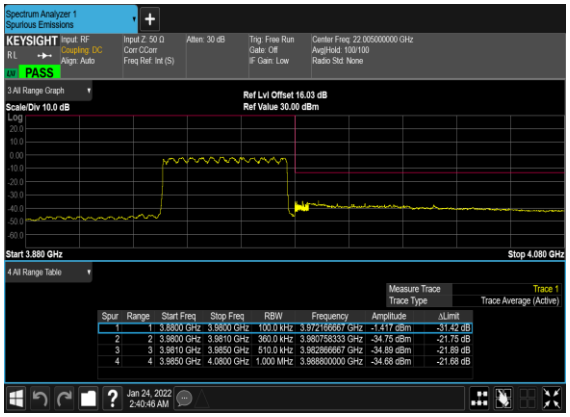
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



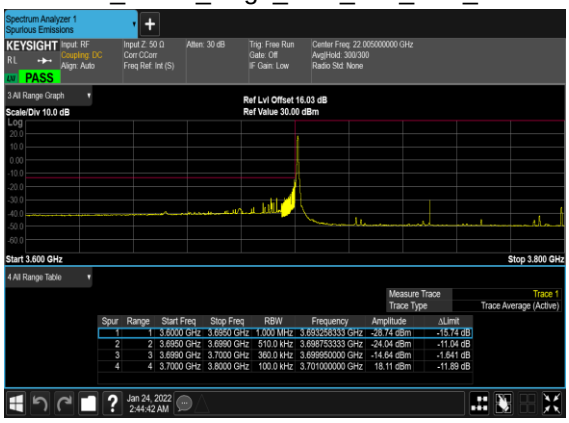
N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

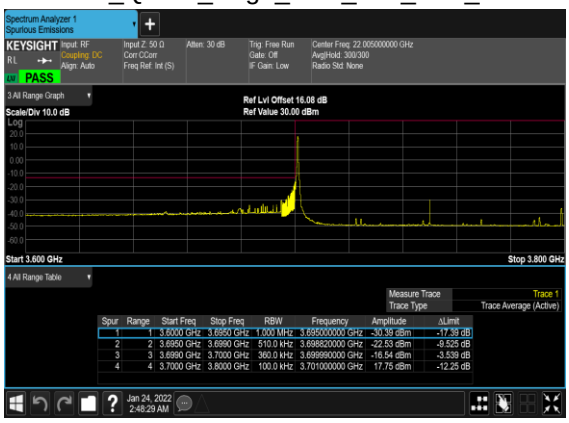


N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

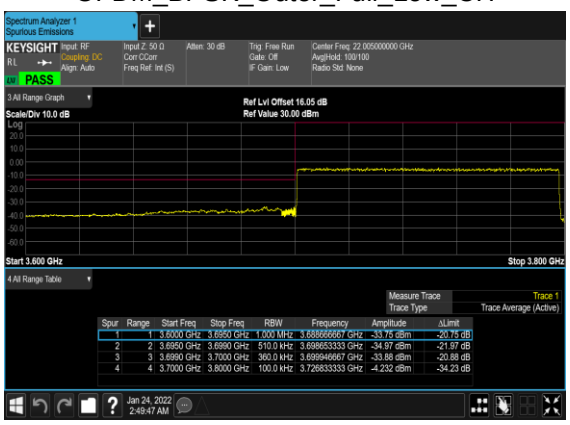


N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**

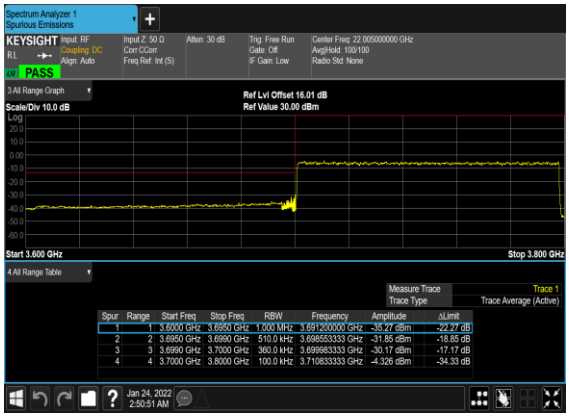
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



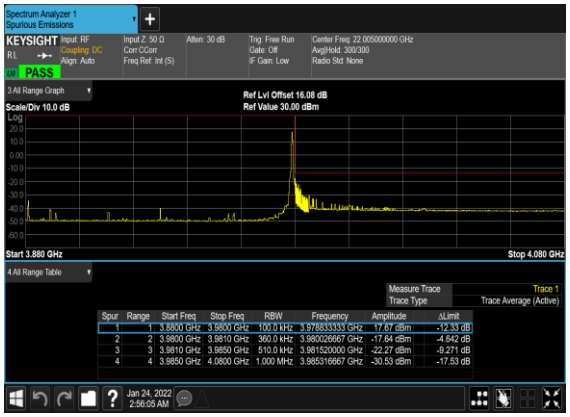
N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



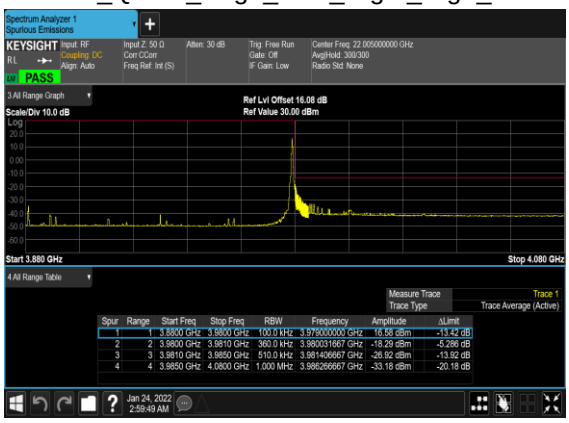
N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



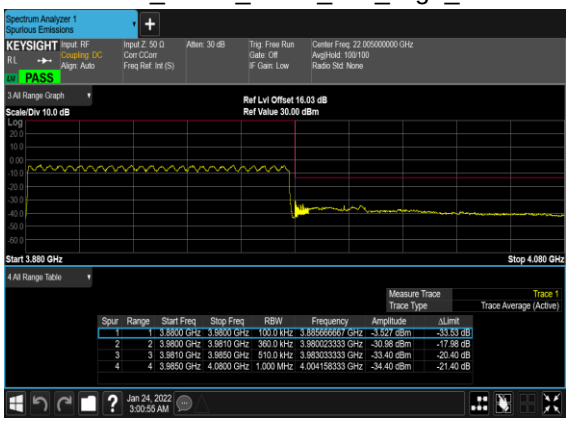
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



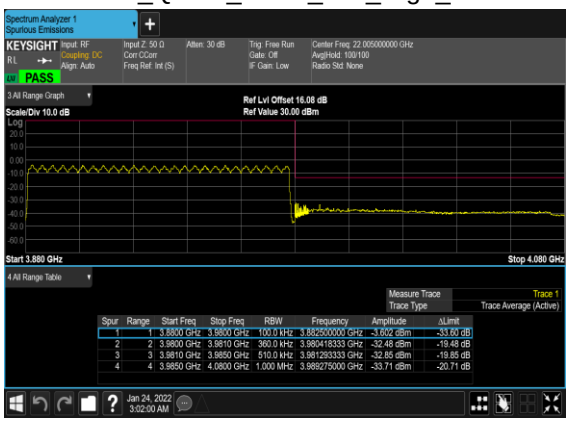
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 22.02.012001

FR1 N78(ANT4) – SCS 15kHz

Transmitter Conducted Output Power And EIRP, (GT - LC)=-1.02dB

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	27.02	26	0.3981
78	15	10	647000	3705	DFT-s-OFDM PI/2 BPSK	1@1	26.82	25.8	0.3802
78	15	10	647000	3705	DFT-s-OFDM PI/2 BPSK	1@50	26.86	25.84	0.3837
78	15	10	647000	3705	DFT-s-OFDM QPSK	25@12	27.03	26.01	0.3990
78	15	10	647000	3705	DFT-s-OFDM QPSK	1@1	26.96	25.94	0.3926
78	15	10	647000	3705	DFT-s-OFDM QPSK	1@50	27	25.98	0.3963
78	15	10	647000	3705	DFT-s-OFDM 16 QAM	25@12	26.04	25.02	0.3177
78	15	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	25.66	24.64	0.2911
78	15	10	647000	3705	DFT-s-OFDM 16 QAM	1@50	25.66	24.64	0.2911
78	15	10	647000	3705	DFT-s-OFDM 64 QAM	25@12	24.58	23.56	0.2270
78	15	10	647000	3705	DFT-s-OFDM 64 QAM	1@1	24.31	23.29	0.2133
78	15	10	647000	3705	DFT-s-OFDM 64 QAM	1@50	24.38	23.36	0.2168
78	15	10	647000	3705	DFT-s-OFDM 256 QAM	25@12	22.5	21.48	0.1406
78	15	10	647000	3705	DFT-s-OFDM 256 QAM	1@1	22.53	21.51	0.1416
78	15	10	647000	3705	DFT-s-OFDM 256 QAM	1@50	22.43	21.41	0.1384
78	15	10	647000	3705	CP-OFDM QPSK	26@13	25.55	24.53	0.2838
78	15	10	647000	3705	CP-OFDM QPSK	1@1	25.37	24.35	0.2723
78	15	10	647000	3705	CP-OFDM QPSK	1@50	25.4	24.38	0.2742
78	15	10	650000	3750	DFT-s-OFDM PI/2 BPSK	25@12	27	25.98	0.3963
78	15	10	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.84	25.82	0.3819
78	15	10	650000	3750	DFT-s-OFDM PI/2 BPSK	1@50	26.87	25.85	0.3846
78	15	10	650000	3750	DFT-s-OFDM QPSK	25@12	27.03	26.01	0.3990
78	15	10	650000	3750	DFT-s-OFDM QPSK	1@1	26.96	25.94	0.3926
78	15	10	650000	3750	DFT-s-OFDM QPSK	1@50	26.99	25.97	0.3954
78	15	10	650000	3750	DFT-s-OFDM 16 QAM	25@12	26.03	25.01	0.3170
78	15	10	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.65	24.63	0.2904
78	15	10	650000	3750	DFT-s-OFDM 16 QAM	1@50	25.76	24.74	0.2979
78	15	10	650000	3750	DFT-s-OFDM 64 QAM	25@12	24.59	23.57	0.2275
78	15	10	650000	3750	DFT-s-OFDM	1@1	24.28	23.26	0.2118

					64 QAM				
78	15	10	650000	3750	DFT-s-OFDM 64 QAM	1@50	24.34	23.32	0.2148
78	15	10	650000	3750	DFT-s-OFDM 256 QAM	25@12	22.53	21.51	0.1416
78	15	10	650000	3750	DFT-s-OFDM 256 QAM	1@1	22.39	21.37	0.1371
78	15	10	650000	3750	DFT-s-OFDM 256 QAM	1@50	22.43	21.41	0.1384
78	15	10	650000	3750	CP-OFDM QPSK	26@13	25.57	24.55	0.2851
78	15	10	650000	3750	CP-OFDM QPSK	1@1	25.39	24.37	0.2735
78	15	10	650000	3750	CP-OFDM QPSK	1@50	25.43	24.41	0.2761
78	15	10	653000	3795	DFT-s-OFDM PI/2 BPSK	25@12	27.19	26.17	0.4140
78	15	10	653000	3795	DFT-s-OFDM PI/2 BPSK	1@1	27.04	26.02	0.3999
78	15	10	653000	3795	DFT-s-OFDM PI/2 BPSK	1@50	27.08	26.06	0.4036
78	15	10	653000	3795	DFT-s-OFDM QPSK	25@12	27.21	26.19	0.4159
78	15	10	653000	3795	DFT-s-OFDM QPSK	1@1	27.16	26.14	0.4111
78	15	10	653000	3795	DFT-s-OFDM QPSK	1@50	27.18	26.16	0.4130
78	15	10	653000	3795	DFT-s-OFDM 16 QAM	25@12	26.21	25.19	0.3304
78	15	10	653000	3795	DFT-s-OFDM 16 QAM	1@1	25.84	24.82	0.3034
78	15	10	653000	3795	DFT-s-OFDM 16 QAM	1@50	25.81	24.79	0.3013
78	15	10	653000	3795	DFT-s-OFDM 64 QAM	25@12	24.74	23.72	0.2355
78	15	10	653000	3795	DFT-s-OFDM 64 QAM	1@1	24.46	23.44	0.2208
78	15	10	653000	3795	DFT-s-OFDM 64 QAM	1@50	24.47	23.45	0.2213
78	15	10	653000	3795	DFT-s-OFDM 256 QAM	25@12	22.67	21.65	0.1462
78	15	10	653000	3795	DFT-s-OFDM 256 QAM	1@1	22.53	21.51	0.1416
78	15	10	653000	3795	DFT-s-OFDM 256 QAM	1@50	22.61	21.59	0.1442
78	15	10	653000	3795	CP-OFDM QPSK	26@13	25.73	24.71	0.2958
78	15	10	653000	3795	CP-OFDM QPSK	1@1	25.55	24.53	0.2838
78	15	10	653000	3795	CP-OFDM QPSK	1@50	25.58	24.56	0.2858
78	15	15	647167	3707.505	DFT-s-OFDM PI/2 BPSK	36@18	27.01	25.99	0.3972
78	15	15	647167	3707.505	DFT-s-OFDM PI/2 BPSK	1@1	26.9	25.88	0.3873
78	15	15	647167	3707.505	DFT-s-OFDM PI/2 BPSK	1@77	26.93	25.91	0.3899
78	15	15	647167	3707.505	DFT-s-OFDM QPSK	36@18	27.04	26.02	0.3999
78	15	15	647167	3707.505	DFT-s-OFDM QPSK	1@1	27.01	25.99	0.3972
78	15	15	647167	3707.505	DFT-s-OFDM QPSK	1@77	26.98	25.96	0.3945
78	15	15	647167	3707.505	DFT-s-OFDM 16 QAM	36@18	26.07	25.05	0.3199
78	15	15	647167	3707.505	DFT-s-OFDM 16 QAM	1@1	25.63	24.61	0.2891

78	15	15	647167	3707.505	DFT-s-OFDM 16 QAM	1@77	25.65	24.63	0.2904
78	15	15	647167	3707.505	DFT-s-OFDM 64 QAM	36@18	24.6	23.58	0.2280
78	15	15	647167	3707.505	DFT-s-OFDM 64 QAM	1@1	24.32	23.3	0.2138
78	15	15	647167	3707.505	DFT-s-OFDM 64 QAM	1@77	24.3	23.28	0.2128
78	15	15	647167	3707.505	DFT-s-OFDM 256 QAM	36@18	22.59	21.57	0.1435
78	15	15	647167	3707.505	DFT-s-OFDM 256 QAM	1@1	22.39	21.37	0.1371
78	15	15	647167	3707.505	DFT-s-OFDM 256 QAM	1@77	22.39	21.37	0.1371
78	15	15	647167	3707.505	CP-OFDM QPSK	39@19	25.6	24.58	0.2871
78	15	15	647167	3707.505	CP-OFDM QPSK	1@1	25.41	24.39	0.2748
78	15	15	647167	3707.505	CP-OFDM QPSK	1@77	25.43	24.41	0.2761
78	15	15	650000	3750	DFT-s-OFDM PI/2 BPSK	36@18	27.04	26.02	0.3999
78	15	15	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.88	25.86	0.3855
78	15	15	650000	3750	DFT-s-OFDM PI/2 BPSK	1@77	26.94	25.92	0.3908
78	15	15	650000	3750	DFT-s-OFDM QPSK	36@18	27.09	26.07	0.4046
78	15	15	650000	3750	DFT-s-OFDM QPSK	1@1	26.99	25.97	0.3954
78	15	15	650000	3750	DFT-s-OFDM QPSK	1@77	27.03	26.01	0.3990
78	15	15	650000	3750	DFT-s-OFDM 16 QAM	36@18	26.08	25.06	0.3206
78	15	15	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.64	24.62	0.2897
78	15	15	650000	3750	DFT-s-OFDM 16 QAM	1@77	25.6	24.58	0.2871
78	15	15	650000	3750	DFT-s-OFDM 64 QAM	36@18	24.62	23.6	0.2291
78	15	15	650000	3750	DFT-s-OFDM 64 QAM	1@1	24.21	23.19	0.2084
78	15	15	650000	3750	DFT-s-OFDM 64 QAM	1@77	24.3	23.28	0.2128
78	15	15	650000	3750	DFT-s-OFDM 256 QAM	36@18	22.59	21.57	0.1435
78	15	15	650000	3750	DFT-s-OFDM 256 QAM	1@1	22.4	21.38	0.1374
78	15	15	650000	3750	DFT-s-OFDM 256 QAM	1@77	22.5	21.48	0.1406
78	15	15	650000	3750	CP-OFDM QPSK	39@19	25.55	24.53	0.2838
78	15	15	650000	3750	CP-OFDM QPSK	1@1	25.4	24.38	0.2742
78	15	15	650000	3750	CP-OFDM QPSK	1@77	25.43	24.41	0.2761
78	15	15	652833	3792.495	DFT-s-OFDM PI/2 BPSK	36@18	27.17	26.15	0.4121
78	15	15	652833	3792.495	DFT-s-OFDM PI/2 BPSK	1@1	26.99	25.97	0.3954
78	15	15	652833	3792.495	DFT-s-OFDM PI/2 BPSK	1@77	27.09	26.07	0.4046
78	15	15	652833	3792.495	DFT-s-OFDM QPSK	36@18	27.19	26.17	0.4140
78	15	15	652833	3792.495	DFT-s-OFDM QPSK	1@1	27.24	26.22	0.4188
78	15	15	652833	3792.495	DFT-s-OFDM QPSK	1@77	27.23	26.21	0.4178

78	15	15	652833	3792.495	DFT-s-OFDM 16 QAM	36@18	26.19	25.17	0.3289
78	15	15	652833	3792.495	DFT-s-OFDM 16 QAM	1@1	25.82	24.8	0.3020
78	15	15	652833	3792.495	DFT-s-OFDM 16 QAM	1@77	25.93	24.91	0.3097
78	15	15	652833	3792.495	DFT-s-OFDM 64 QAM	36@18	24.69	23.67	0.2328
78	15	15	652833	3792.495	DFT-s-OFDM 64 QAM	1@1	24.37	23.35	0.2163
78	15	15	652833	3792.495	DFT-s-OFDM 64 QAM	1@77	24.38	23.36	0.2168
78	15	15	652833	3792.495	DFT-s-OFDM 256 QAM	36@18	22.72	21.7	0.1479
78	15	15	652833	3792.495	DFT-s-OFDM 256 QAM	1@1	22.47	21.45	0.1396
78	15	15	652833	3792.495	DFT-s-OFDM 256 QAM	1@77	22.62	21.6	0.1445
78	15	15	652833	3792.495	CP-OFDM QPSK	39@19	25.68	24.66	0.2924
78	15	15	652833	3792.495	CP-OFDM QPSK	1@1	25.53	24.51	0.2825
78	15	15	652833	3792.495	CP-OFDM QPSK	1@77	25.61	24.59	0.2877
78	15	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	50@25	27.02	26	0.3981
78	15	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@1	26.92	25.9	0.3890
78	15	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@104	26.86	25.84	0.3837
78	15	20	647334	3710.01	DFT-s-OFDM QPSK	50@25	27.04	26.02	0.3999
78	15	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	27.02	26	0.3981
78	15	20	647334	3710.01	DFT-s-OFDM QPSK	1@104	26.98	25.96	0.3945
78	15	20	647334	3710.01	DFT-s-OFDM 16 QAM	50@25	26.08	25.06	0.3206
78	15	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	25.66	24.64	0.2911
78	15	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@104	25.56	24.54	0.2844
78	15	20	647334	3710.01	DFT-s-OFDM 64 QAM	50@25	24.55	23.53	0.2254
78	15	20	647334	3710.01	DFT-s-OFDM 64 QAM	1@1	24.19	23.17	0.2075
78	15	20	647334	3710.01	DFT-s-OFDM 64 QAM	1@104	24.21	23.19	0.2084
78	15	20	647334	3710.01	DFT-s-OFDM 256 QAM	50@25	22.49	21.47	0.1403
78	15	20	647334	3710.01	DFT-s-OFDM 256 QAM	1@1	22.43	21.41	0.1384
78	15	20	647334	3710.01	DFT-s-OFDM 256 QAM	1@104	22.36	21.34	0.1361
78	15	20	647334	3710.01	CP-OFDM QPSK	53@26	25.55	24.53	0.2838
78	15	20	647334	3710.01	CP-OFDM QPSK	1@1	25.39	24.37	0.2735
78	15	20	647334	3710.01	CP-OFDM QPSK	1@104	25.37	24.35	0.2723
78	15	20	650000	3750	DFT-s-OFDM PI/2 BPSK	50@25	27.05	26.03	0.4009
78	15	20	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.92	25.9	0.3890
78	15	20	650000	3750	DFT-s-OFDM PI/2 BPSK	1@104	26.96	25.94	0.3926
78	15	20	650000	3750	DFT-s-OFDM QPSK	50@25	27.06	26.04	0.4018

78	15	20	650000	3750	DFT-s-OFDM QPSK	1@1	27.04	26.02	0.3999
78	15	20	650000	3750	DFT-s-OFDM QPSK	1@104	27.03	26.01	0.3990
78	15	20	650000	3750	DFT-s-OFDM 16 QAM	50@25	26.08	25.06	0.3206
78	15	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.75	24.73	0.2972
78	15	20	650000	3750	DFT-s-OFDM 16 QAM	1@104	25.73	24.71	0.2958
78	15	20	650000	3750	DFT-s-OFDM 64 QAM	50@25	24.41	23.39	0.2183
78	15	20	650000	3750	DFT-s-OFDM 64 QAM	1@1	24.24	23.22	0.2099
78	15	20	650000	3750	DFT-s-OFDM 64 QAM	1@104	24.21	23.19	0.2084
78	15	20	650000	3750	DFT-s-OFDM 256 QAM	50@25	22.54	21.52	0.1419
78	15	20	650000	3750	DFT-s-OFDM 256 QAM	1@1	22.42	21.4	0.1380
78	15	20	650000	3750	DFT-s-OFDM 256 QAM	1@104	22.47	21.45	0.1396
78	15	20	650000	3750	CP-OFDM QPSK	53@26	25.53	24.51	0.2825
78	15	20	650000	3750	CP-OFDM QPSK	1@1	25.44	24.42	0.2767
78	15	20	650000	3750	CP-OFDM QPSK	1@104	25.46	24.44	0.2780
78	15	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	50@25	27.15	26.13	0.4102
78	15	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	1@1	27	25.98	0.3963
78	15	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	1@104	27.13	26.11	0.4083
78	15	20	652666	3789.99	DFT-s-OFDM QPSK	50@25	27.18	26.16	0.4130
78	15	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	27.11	26.09	0.4064
78	15	20	652666	3789.99	DFT-s-OFDM QPSK	1@104	27.19	26.17	0.4140
78	15	20	652666	3789.99	DFT-s-OFDM 16 QAM	50@25	26.21	25.19	0.3304
78	15	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	25.73	24.71	0.2958
78	15	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@104	25.82	24.8	0.3020
78	15	20	652666	3789.99	DFT-s-OFDM 64 QAM	50@25	24.68	23.66	0.2323
78	15	20	652666	3789.99	DFT-s-OFDM 64 QAM	1@1	24.3	23.28	0.2128
78	15	20	652666	3789.99	DFT-s-OFDM 64 QAM	1@104	24.42	23.4	0.2188
78	15	20	652666	3789.99	DFT-s-OFDM 256 QAM	50@25	22.65	21.63	0.1455
78	15	20	652666	3789.99	DFT-s-OFDM 256 QAM	1@1	22.51	21.49	0.1409
78	15	20	652666	3789.99	DFT-s-OFDM 256 QAM	1@104	22.58	21.56	0.1432
78	15	20	652666	3789.99	CP-OFDM QPSK	53@26	25.67	24.65	0.2917
78	15	20	652666	3789.99	CP-OFDM QPSK	1@1	25.53	24.51	0.2825
78	15	20	652666	3789.99	CP-OFDM QPSK	1@104	25.61	24.59	0.2877
78	15	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	64@32	26.46	25.44	0.3499
78	15	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	1@1	25.62	24.6	0.2884

78	15	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	1@131	25.73	24.71	0.2958
78	15	25	647500	3712.5	DFT-s-OFDM QPSK	64@32	26.49	25.47	0.3524
78	15	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	25.75	24.73	0.2972
78	15	25	647500	3712.5	DFT-s-OFDM QPSK	1@131	25.72	24.7	0.2951
78	15	25	647500	3712.5	DFT-s-OFDM 16 QAM	64@32	25.48	24.46	0.2793
78	15	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	24.54	23.52	0.2249
78	15	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@131	24.58	23.56	0.2270
78	15	25	647500	3712.5	DFT-s-OFDM 64 QAM	64@32	23.98	22.96	0.1977
78	15	25	647500	3712.5	DFT-s-OFDM 64 QAM	1@1	23.13	22.11	0.1626
78	15	25	647500	3712.5	DFT-s-OFDM 64 QAM	1@131	23.13	22.11	0.1626
78	15	25	647500	3712.5	DFT-s-OFDM 256 QAM	64@32	21.94	20.92	0.1236
78	15	25	647500	3712.5	DFT-s-OFDM 256 QAM	1@1	21.2	20.18	0.1042
78	15	25	647500	3712.5	DFT-s-OFDM 256 QAM	1@131	21.35	20.33	0.1079
78	15	25	647500	3712.5	CP-OFDM QPSK	67@33	24.97	23.95	0.2483
78	15	25	647500	3712.5	CP-OFDM QPSK	1@1	24.19	23.17	0.2075
78	15	25	647500	3712.5	CP-OFDM QPSK	1@131	24.28	23.26	0.2118
78	15	25	650000	3750	DFT-s-OFDM PI/2 BPSK	64@32	26.42	25.4	0.3467
78	15	25	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.64	24.62	0.2897
78	15	25	650000	3750	DFT-s-OFDM PI/2 BPSK	1@131	25.69	24.67	0.2931
78	15	25	650000	3750	DFT-s-OFDM QPSK	64@32	26.43	25.41	0.3475
78	15	25	650000	3750	DFT-s-OFDM QPSK	1@1	25.68	24.66	0.2924
78	15	25	650000	3750	DFT-s-OFDM QPSK	1@131	25.71	24.69	0.2944
78	15	25	650000	3750	DFT-s-OFDM 16 QAM	64@32	25.39	24.37	0.2735
78	15	25	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.59	23.57	0.2275
78	15	25	650000	3750	DFT-s-OFDM 16 QAM	1@131	24.62	23.6	0.2291
78	15	25	650000	3750	DFT-s-OFDM 64 QAM	64@32	23.87	22.85	0.1928
78	15	25	650000	3750	DFT-s-OFDM 64 QAM	1@1	22.98	21.96	0.1570
78	15	25	650000	3750	DFT-s-OFDM 64 QAM	1@131	23.04	22.02	0.1592
78	15	25	650000	3750	DFT-s-OFDM 256 QAM	64@32	21.94	20.92	0.1236
78	15	25	650000	3750	DFT-s-OFDM 256 QAM	1@1	21.3	20.28	0.1067
78	15	25	650000	3750	DFT-s-OFDM 256 QAM	1@131	21.3	20.28	0.1067
78	15	25	650000	3750	CP-OFDM QPSK	67@33	24.94	23.92	0.2466
78	15	25	650000	3750	CP-OFDM QPSK	1@1	24.2	23.18	0.2080
78	15	25	650000	3750	CP-OFDM QPSK	1@131	24.3	23.28	0.2128

78	15	25	652500	3787.5	DFT-s-OFDM PI/2 BPSK	64@32	26.59	25.57	0.3606
78	15	25	652500	3787.5	DFT-s-OFDM PI/2 BPSK	1@1	25.77	24.75	0.2985
78	15	25	652500	3787.5	DFT-s-OFDM PI/2 BPSK	1@131	25.75	24.73	0.2972
78	15	25	652500	3787.5	DFT-s-OFDM QPSK	64@32	26.57	25.55	0.3589
78	15	25	652500	3787.5	DFT-s-OFDM QPSK	1@1	25.86	24.84	0.3048
78	15	25	652500	3787.5	DFT-s-OFDM QPSK	1@131	25.88	24.86	0.3062
78	15	25	652500	3787.5	DFT-s-OFDM 16 QAM	64@32	25.57	24.55	0.2851
78	15	25	652500	3787.5	DFT-s-OFDM 16 QAM	1@1	24.69	23.67	0.2328
78	15	25	652500	3787.5	DFT-s-OFDM 16 QAM	1@131	24.69	23.67	0.2328
78	15	25	652500	3787.5	DFT-s-OFDM 64 QAM	64@32	24.02	23	0.1995
78	15	25	652500	3787.5	DFT-s-OFDM 64 QAM	1@1	23.18	22.16	0.1644
78	15	25	652500	3787.5	DFT-s-OFDM 64 QAM	1@131	23.2	22.18	0.1652
78	15	25	652500	3787.5	DFT-s-OFDM 256 QAM	64@32	22.1	21.08	0.1282
78	15	25	652500	3787.5	DFT-s-OFDM 256 QAM	1@1	21.35	20.33	0.1079
78	15	25	652500	3787.5	DFT-s-OFDM 256 QAM	1@131	21.44	20.42	0.1102
78	15	25	652500	3787.5	CP-OFDM QPSK	67@33	25.02	24	0.2512
78	15	25	652500	3787.5	CP-OFDM QPSK	1@1	24.33	23.31	0.2143
78	15	25	652500	3787.5	CP-OFDM QPSK	1@131	24.4	23.38	0.2178
78	15	30	647667	3715.005	DFT-s-OFDM PI/2 BPSK	80@40	26.62	25.6	0.3631
78	15	30	647667	3715.005	DFT-s-OFDM PI/2 BPSK	1@1	26.46	25.44	0.3499
78	15	30	647667	3715.005	DFT-s-OFDM PI/2 BPSK	1@158	26.56	25.54	0.3581
78	15	30	647667	3715.005	DFT-s-OFDM QPSK	80@40	26.63	25.61	0.3639
78	15	30	647667	3715.005	DFT-s-OFDM QPSK	1@1	26.52	25.5	0.3548
78	15	30	647667	3715.005	DFT-s-OFDM QPSK	1@158	26.53	25.51	0.3556
78	15	30	647667	3715.005	DFT-s-OFDM 16 QAM	80@40	25.63	24.61	0.2891
78	15	30	647667	3715.005	DFT-s-OFDM 16 QAM	1@1	25.4	24.38	0.2742
78	15	30	647667	3715.005	DFT-s-OFDM 16 QAM	1@158	25.44	24.42	0.2767
78	15	30	647667	3715.005	DFT-s-OFDM 64 QAM	80@40	24.14	23.12	0.2051
78	15	30	647667	3715.005	DFT-s-OFDM 64 QAM	1@1	23.84	22.82	0.1914
78	15	30	647667	3715.005	DFT-s-OFDM 64 QAM	1@158	24.01	22.99	0.1991
78	15	30	647667	3715.005	DFT-s-OFDM 256 QAM	80@40	22.15	21.13	0.1297
78	15	30	647667	3715.005	DFT-s-OFDM 256 QAM	1@1	22.14	21.12	0.1294
78	15	30	647667	3715.005	DFT-s-OFDM 256 QAM	1@158	22.2	21.18	0.1312
78	15	30	647667	3715.005	CP-OFDM QPSK	80@40	25.09	24.07	0.2553

78	15	30	647667	3715.005	CP-OFDM QPSK	1@1	24.93	23.91	0.2460
78	15	30	647667	3715.005	CP-OFDM QPSK	1@158	25.06	24.04	0.2535
78	15	30	650000	3750	DFT-s-OFDM PI/2 BPSK	80@40	26.54	25.52	0.3565
78	15	30	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.31	25.29	0.3381
78	15	30	650000	3750	DFT-s-OFDM PI/2 BPSK	1@158	26.44	25.42	0.3483
78	15	30	650000	3750	DFT-s-OFDM QPSK	80@40	26.55	25.53	0.3573
78	15	30	650000	3750	DFT-s-OFDM QPSK	1@1	26.45	25.43	0.3491
78	15	30	650000	3750	DFT-s-OFDM QPSK	1@158	26.45	25.43	0.3491
78	15	30	650000	3750	DFT-s-OFDM 16 QAM	80@40	25.6	24.58	0.2871
78	15	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.34	24.32	0.2704
78	15	30	650000	3750	DFT-s-OFDM 16 QAM	1@158	25.36	24.34	0.2716
78	15	30	650000	3750	DFT-s-OFDM 64 QAM	80@40	24.1	23.08	0.2032
78	15	30	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.77	22.75	0.1884
78	15	30	650000	3750	DFT-s-OFDM 64 QAM	1@158	23.84	22.82	0.1914
78	15	30	650000	3750	DFT-s-OFDM 256 QAM	80@40	22.03	21.01	0.1262
78	15	30	650000	3750	DFT-s-OFDM 256 QAM	1@1	21.96	20.94	0.1242
78	15	30	650000	3750	DFT-s-OFDM 256 QAM	1@158	22.09	21.07	0.1279
78	15	30	650000	3750	CP-OFDM QPSK	80@40	25.04	24.02	0.2523
78	15	30	650000	3750	CP-OFDM QPSK	1@1	24.86	23.84	0.2421
78	15	30	650000	3750	CP-OFDM QPSK	1@158	24.97	23.95	0.2483
78	15	30	652333	3784.995	DFT-s-OFDM PI/2 BPSK	80@40	26.63	25.61	0.3639
78	15	30	652333	3784.995	DFT-s-OFDM PI/2 BPSK	1@1	26.36	25.34	0.3420
78	15	30	652333	3784.995	DFT-s-OFDM PI/2 BPSK	1@158	26.48	25.46	0.3516
78	15	30	652333	3784.995	DFT-s-OFDM QPSK	80@40	26.63	25.61	0.3639
78	15	30	652333	3784.995	DFT-s-OFDM QPSK	1@1	26.45	25.43	0.3491
78	15	30	652333	3784.995	DFT-s-OFDM QPSK	1@158	26.52	25.5	0.3548
78	15	30	652333	3784.995	DFT-s-OFDM 16 QAM	80@40	25.67	24.65	0.2917
78	15	30	652333	3784.995	DFT-s-OFDM 16 QAM	1@1	25.38	24.36	0.2729
78	15	30	652333	3784.995	DFT-s-OFDM 16 QAM	1@158	25.46	24.44	0.2780
78	15	30	652333	3784.995	DFT-s-OFDM 64 QAM	80@40	24.16	23.14	0.2061
78	15	30	652333	3784.995	DFT-s-OFDM 64 QAM	1@1	23.75	22.73	0.1875
78	15	30	652333	3784.995	DFT-s-OFDM 64 QAM	1@158	23.87	22.85	0.1928
78	15	30	652333	3784.995	DFT-s-OFDM 256 QAM	80@40	22.1	21.08	0.1282
78	15	30	652333	3784.995	DFT-s-OFDM 256 QAM	1@1	22.06	21.04	0.1271

78	15	30	652333	3784.995	DFT-s-OFDM 256 QAM	1@158	22.18	21.16	0.1306
78	15	30	652333	3784.995	CP-OFDM QPSK	80@40	25.08	24.06	0.2547
78	15	30	652333	3784.995	CP-OFDM QPSK	1@1	24.93	23.91	0.2460
78	15	30	652333	3784.995	CP-OFDM QPSK	1@158	25.06	24.04	0.2535
78	15	40	648000	3720	DFT-s-OFDM PI/2 BPSK	108@54	26.89	25.87	0.3864
78	15	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@1	26.76	25.74	0.3750
78	15	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@214	26.79	25.77	0.3776
78	15	40	648000	3720	DFT-s-OFDM QPSK	108@54	26.94	25.92	0.3908
78	15	40	648000	3720	DFT-s-OFDM QPSK	1@1	26.83	25.81	0.3811
78	15	40	648000	3720	DFT-s-OFDM QPSK	1@214	26.88	25.86	0.3855
78	15	40	648000	3720	DFT-s-OFDM 16 QAM	108@54	25.95	24.93	0.3112
78	15	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	25.56	24.54	0.2844
78	15	40	648000	3720	DFT-s-OFDM 16 QAM	1@214	25.66	24.64	0.2911
78	15	40	648000	3720	DFT-s-OFDM 64 QAM	108@54	24.43	23.41	0.2193
78	15	40	648000	3720	DFT-s-OFDM 64 QAM	1@1	24.09	23.07	0.2028
78	15	40	648000	3720	DFT-s-OFDM 64 QAM	1@214	24.12	23.1	0.2042
78	15	40	648000	3720	DFT-s-OFDM 256 QAM	108@54	22.38	21.36	0.1368
78	15	40	648000	3720	DFT-s-OFDM 256 QAM	1@1	22.31	21.29	0.1346
78	15	40	648000	3720	DFT-s-OFDM 256 QAM	1@214	22.26	21.24	0.1330
78	15	40	648000	3720	CP-OFDM QPSK	108@54	25.39	24.37	0.2735
78	15	40	648000	3720	CP-OFDM QPSK	1@1	25.23	24.21	0.2636
78	15	40	648000	3720	CP-OFDM QPSK	1@214	25.21	24.19	0.2624
78	15	40	650000	3750	DFT-s-OFDM PI/2 BPSK	108@54	27.01	25.99	0.3972
78	15	40	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.8	25.78	0.3784
78	15	40	650000	3750	DFT-s-OFDM PI/2 BPSK	1@214	26.89	25.87	0.3864
78	15	40	650000	3750	DFT-s-OFDM QPSK	108@54	27.02	26	0.3981
78	15	40	650000	3750	DFT-s-OFDM QPSK	1@1	26.97	25.95	0.3936
78	15	40	650000	3750	DFT-s-OFDM QPSK	1@214	26.94	25.92	0.3908
78	15	40	650000	3750	DFT-s-OFDM 16 QAM	108@54	26.04	25.02	0.3177
78	15	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.69	24.67	0.2931
78	15	40	650000	3750	DFT-s-OFDM 16 QAM	1@214	25.74	24.72	0.2965
78	15	40	650000	3750	DFT-s-OFDM 64 QAM	108@54	24.52	23.5	0.2239
78	15	40	650000	3750	DFT-s-OFDM 64 QAM	1@1	24.14	23.12	0.2051
78	15	40	650000	3750	DFT-s-OFDM 64 QAM	1@214	24.13	23.11	0.2046

78	15	40	650000	3750	DFT-s-OFDM 256 QAM	108@54	22.47	21.45	0.1396
78	15	40	650000	3750	DFT-s-OFDM 256 QAM	1@1	22.36	21.34	0.1361
78	15	40	650000	3750	DFT-s-OFDM 256 QAM	1@214	22.4	21.38	0.1374
78	15	40	650000	3750	CP-OFDM QPSK	108@54	25.5	24.48	0.2805
78	15	40	650000	3750	CP-OFDM QPSK	1@1	25.34	24.32	0.2704
78	15	40	650000	3750	CP-OFDM QPSK	1@214	25.3	24.28	0.2679
78	15	40	652000	3780	DFT-s-OFDM PI/2 BPSK	108@54	27.01	25.99	0.3972
78	15	40	652000	3780	DFT-s-OFDM PI/2 BPSK	1@1	26.87	25.85	0.3846
78	15	40	652000	3780	DFT-s-OFDM PI/2 BPSK	1@214	26.93	25.91	0.3899
78	15	40	652000	3780	DFT-s-OFDM QPSK	108@54	27.02	26	0.3981
78	15	40	652000	3780	DFT-s-OFDM QPSK	1@1	26.96	25.94	0.3926
78	15	40	652000	3780	DFT-s-OFDM QPSK	1@214	26.99	25.97	0.3954
78	15	40	652000	3780	DFT-s-OFDM 16 QAM	108@54	26.05	25.03	0.3184
78	15	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	25.73	24.71	0.2958
78	15	40	652000	3780	DFT-s-OFDM 16 QAM	1@214	25.81	24.79	0.3013
78	15	40	652000	3780	DFT-s-OFDM 64 QAM	108@54	24.53	23.51	0.2244
78	15	40	652000	3780	DFT-s-OFDM 64 QAM	1@1	24.22	23.2	0.2089
78	15	40	652000	3780	DFT-s-OFDM 64 QAM	1@214	24.21	23.19	0.2084
78	15	40	652000	3780	DFT-s-OFDM 256 QAM	108@54	22.49	21.47	0.1403
78	15	40	652000	3780	DFT-s-OFDM 256 QAM	1@1	22.42	21.4	0.1380
78	15	40	652000	3780	DFT-s-OFDM 256 QAM	1@214	22.43	21.41	0.1384
78	15	40	652000	3780	CP-OFDM QPSK	108@54	25.51	24.49	0.2812
78	15	40	652000	3780	CP-OFDM QPSK	1@1	25.42	24.4	0.2754
78	15	40	652000	3780	CP-OFDM QPSK	1@214	25.39	24.37	0.2735
78	15	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	135@67	26.91	25.89	0.3882
78	15	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@1	26.75	25.73	0.3741
78	15	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@268	26.88	25.86	0.3855
78	15	50	648334	3725.01	DFT-s-OFDM QPSK	135@67	26.97	25.95	0.3936
78	15	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	26.83	25.81	0.3811
78	15	50	648334	3725.01	DFT-s-OFDM QPSK	1@268	26.89	25.87	0.3864
78	15	50	648334	3725.01	DFT-s-OFDM 16 QAM	135@67	25.98	24.96	0.3133
78	15	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	25.65	24.63	0.2904
78	15	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@268	25.74	24.72	0.2965
78	15	50	648334	3725.01	DFT-s-OFDM 64 QAM	135@67	24.44	23.42	0.2198

78	15	50	648334	3725.01	DFT-s-OFDM 64 QAM	1@1	24.21	23.19	0.2084
78	15	50	648334	3725.01	DFT-s-OFDM 64 QAM	1@268	24.24	23.22	0.2099
78	15	50	648334	3725.01	DFT-s-OFDM 256 QAM	135@67	22.39	21.37	0.1371
78	15	50	648334	3725.01	DFT-s-OFDM 256 QAM	1@1	22.26	21.24	0.1330
78	15	50	648334	3725.01	DFT-s-OFDM 256 QAM	1@268	22.39	21.37	0.1371
78	15	50	648334	3725.01	CP-OFDM QPSK	135@67	25.41	24.39	0.2748
78	15	50	648334	3725.01	CP-OFDM QPSK	1@1	25.24	24.22	0.2642
78	15	50	648334	3725.01	CP-OFDM QPSK	1@268	25.35	24.33	0.2710
78	15	50	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	27.02	26	0.3981
78	15	50	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.85	25.83	0.3828
78	15	50	650000	3750	DFT-s-OFDM PI/2 BPSK	1@268	26.89	25.87	0.3864
78	15	50	650000	3750	DFT-s-OFDM QPSK	135@67	27.06	26.04	0.4018
78	15	50	650000	3750	DFT-s-OFDM QPSK	1@1	26.96	25.94	0.3926
78	15	50	650000	3750	DFT-s-OFDM QPSK	1@268	26.97	25.95	0.3936
78	15	50	650000	3750	DFT-s-OFDM 16 QAM	135@67	26.06	25.04	0.3192
78	15	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.59	24.57	0.2864
78	15	50	650000	3750	DFT-s-OFDM 16 QAM	1@268	25.61	24.59	0.2877
78	15	50	650000	3750	DFT-s-OFDM 64 QAM	135@67	24.55	23.53	0.2254
78	15	50	650000	3750	DFT-s-OFDM 64 QAM	1@1	24.22	23.2	0.2089
78	15	50	650000	3750	DFT-s-OFDM 64 QAM	1@268	24.27	23.25	0.2113
78	15	50	650000	3750	DFT-s-OFDM 256 QAM	135@67	22.54	21.52	0.1419
78	15	50	650000	3750	DFT-s-OFDM 256 QAM	1@1	22.38	21.36	0.1368
78	15	50	650000	3750	DFT-s-OFDM 256 QAM	1@268	22.47	21.45	0.1396
78	15	50	650000	3750	CP-OFDM QPSK	135@67	25.52	24.5	0.2818
78	15	50	650000	3750	CP-OFDM QPSK	1@1	25.39	24.37	0.2735
78	15	50	650000	3750	CP-OFDM QPSK	1@268	25.44	24.42	0.2767
78	15	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	135@67	27.05	26.03	0.4009
78	15	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	1@1	26.83	25.81	0.3811
78	15	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	1@268	26.93	25.91	0.3899
78	15	50	651666	3774.99	DFT-s-OFDM QPSK	135@67	27.05	26.03	0.4009
78	15	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	26.94	25.92	0.3908
78	15	50	651666	3774.99	DFT-s-OFDM QPSK	1@268	26.98	25.96	0.3945
78	15	50	651666	3774.99	DFT-s-OFDM 16 QAM	135@67	26.04	25.02	0.3177
78	15	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	25.6	24.58	0.2871

78	15	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@268	25.62	24.6	0.2884
78	15	50	651666	3774.99	DFT-s-OFDM 64 QAM	135@67	24.53	23.51	0.2244
78	15	50	651666	3774.99	DFT-s-OFDM 64 QAM	1@1	24.25	23.23	0.2104
78	15	50	651666	3774.99	DFT-s-OFDM 64 QAM	1@268	24.28	23.26	0.2118
78	15	50	651666	3774.99	DFT-s-OFDM 256 QAM	135@67	22.52	21.5	0.1413
78	15	50	651666	3774.99	DFT-s-OFDM 256 QAM	1@1	22.38	21.36	0.1368
78	15	50	651666	3774.99	DFT-s-OFDM 256 QAM	1@268	22.43	21.41	0.1384
78	15	50	651666	3774.99	CP-OFDM QPSK	135@67	25.52	24.5	0.2818
78	15	50	651666	3774.99	CP-OFDM QPSK	1@1	25.37	24.35	0.2723
78	15	50	651666	3774.99	CP-OFDM QPSK	1@268	25.47	24.45	0.2786

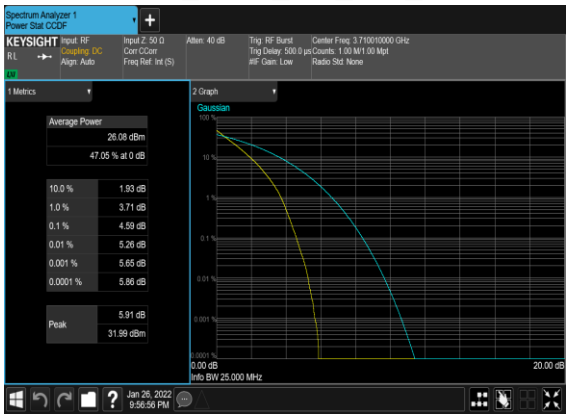
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
78	15	20	650000	3750.0	DFT-s-OFDM QPSK	100@0	0.0121	**PASS**	NV
78	15	20	650000	3750.0	DFT-s-OFDM QPSK	100@0	0.0421	**PASS**	LV
78	15	20	650000	3750.0	DFT-s-OFDM QPSK	100@0	0.0213	**PASS**	HV
78	15	20	650000	3750.0	DFT-s-OFDM QPSK	100@0	0.0311	**PASS**	-30℃
78	15	20	650000	3750.0	DFT-s-OFDM QPSK	100@0	0.0215	**PASS**	-20℃
78	15	20	650000	3750.0	DFT-s-OFDM QPSK	100@0	0.0252	**PASS**	-10℃
78	15	20	650000	3750.0	DFT-s-OFDM QPSK	100@0	0.0123	**PASS**	0℃
78	15	20	650000	3750.0	DFT-s-OFDM QPSK	100@0	0.0121	**PASS**	10℃
78	15	20	650000	3750.0	DFT-s-OFDM QPSK	100@0	0.0213	**PASS**	20℃
78	15	20	650000	3750.0	DFT-s-OFDM QPSK	100@0	0.0135	**PASS**	30℃
78	15	20	650000	3750.0	DFT-s-OFDM QPSK	100@0	0.0321	**PASS**	40℃
78	15	20	650000	3750.0	DFT-s-OFDM QPSK	100@0	0.0217	**PASS**	50℃

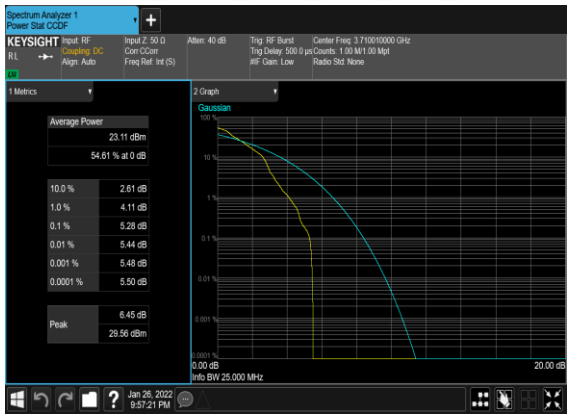
Peak to Average Radio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
78	15	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	100@0	4.59	13	**PASS**
78	15	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@0	5.28	13	**PASS**
78	15	20	647334	3710.01	DFT-s-OFDM QPSK	100@0	5.66	13	**PASS**
78	15	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	5.96	13	**PASS**
78	15	20	650000	3750.0	DFT-s-OFDM PI/2 BPSK	100@0	4.58	13	**PASS**
78	15	20	650000	3750.0	DFT-s-OFDM PI/2 BPSK	1@0	4.65	13	**PASS**
78	15	20	650000	3750.0	DFT-s-OFDM QPSK	100@0	5.67	13	**PASS**
78	15	20	650000	3750.0	DFT-s-OFDM QPSK	1@0	5.84	13	**PASS**
78	15	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	100@0	4.57	13	**PASS**
78	15	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	1@0	5.2	13	**PASS**
78	15	20	652666	3789.99	DFT-s-OFDM QPSK	100@0	5.66	13	**PASS**
78	15	20	652666	3789.99	DFT-s-OFDM QPSK	1@0	6.23	13	**PASS**

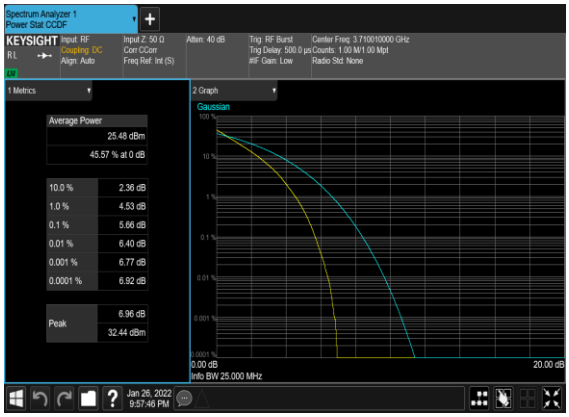
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



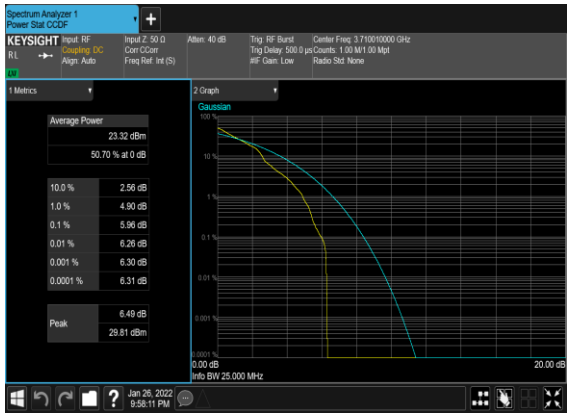
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

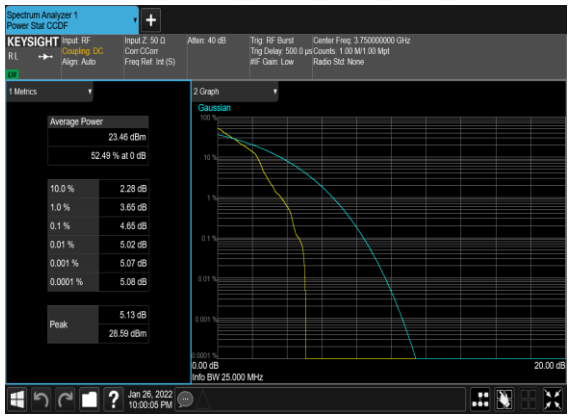


N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



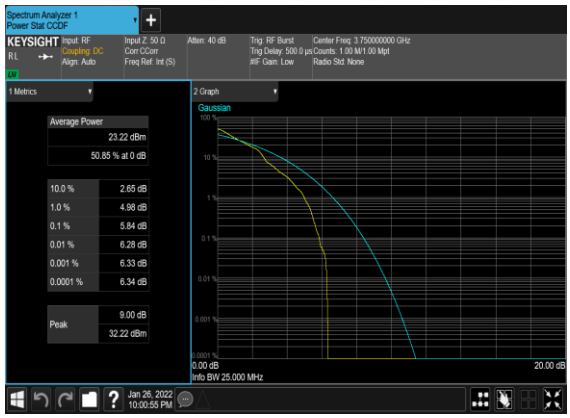
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

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

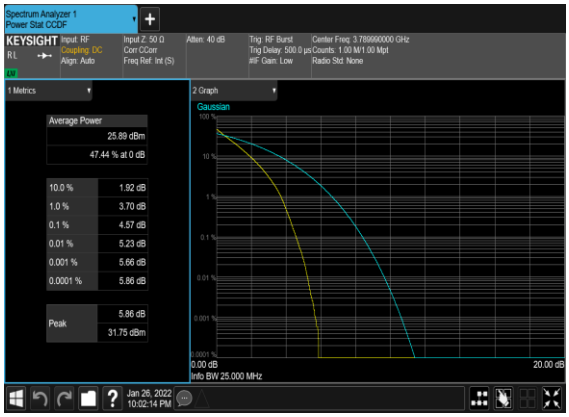


N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

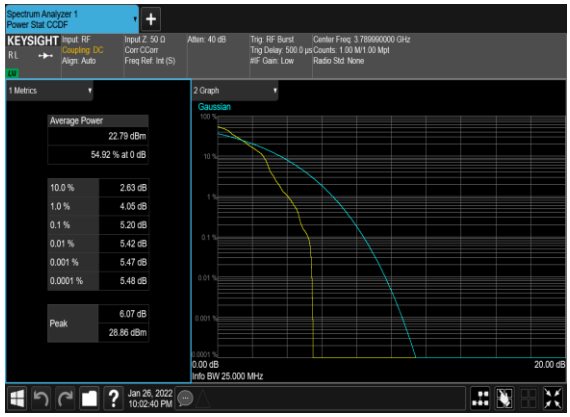
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



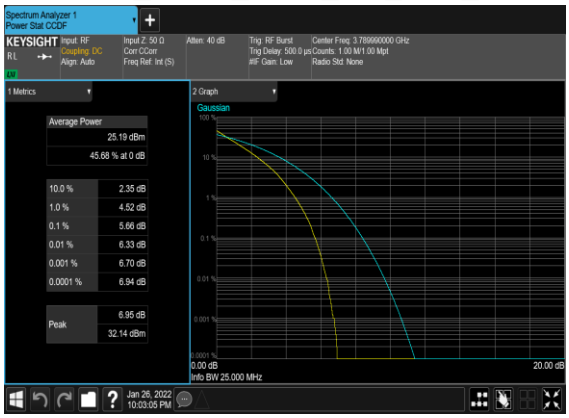
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



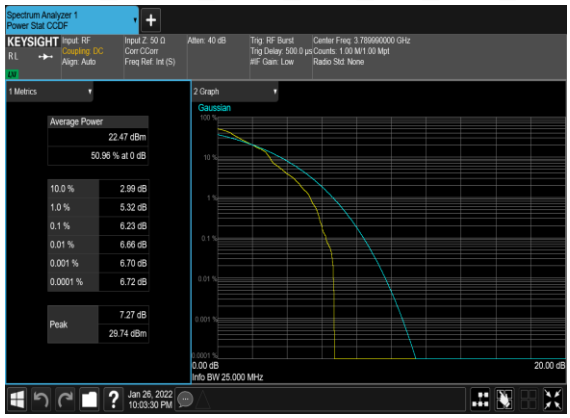
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_High_CH



N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

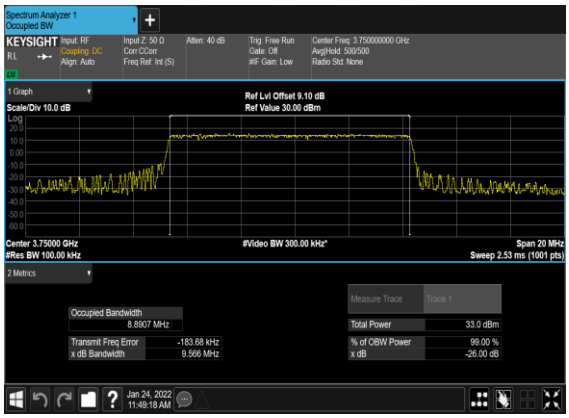


Occupied Bandwidth

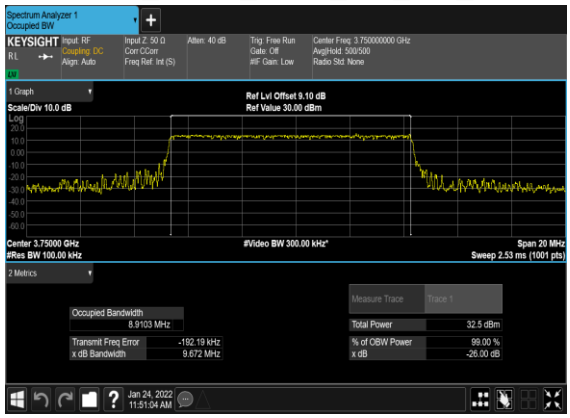
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
78	15	10	650000	3750.0	DFT-s-OFDM PI/2 BPSK	50@0	8.8907	9.566
78	15	10	650000	3750.0	DFT-s-OFDM QPSK	50@0	8.9103	9.672
78	15	10	650000	3750.0	CP-OFDM QPSK	52@0	9.2925	9.729
78	15	10	650000	3750.0	CP-OFDM 16 QAM	52@0	9.2858	9.685
78	15	10	650000	3750.0	CP-OFDM 64 QAM	52@0	9.2898	9.956
78	15	10	650000	3750.0	CP-OFDM 256 QAM	52@0	9.2917	9.669
78	15	15	650000	3750.0	DFT-s-OFDM PI/2 BPSK	75@0	13.375	13.97
78	15	15	650000	3750.0	DFT-s-OFDM QPSK	75@0	13.379	13.98
78	15	15	650000	3750.0	CP-OFDM QPSK	79@0	14.109	15.0
78	15	15	650000	3750.0	CP-OFDM 16 QAM	79@0	14.064	14.71
78	15	15	650000	3750.0	CP-OFDM 64 QAM	79@0	14.093	14.64
78	15	15	650000	3750.0	CP-OFDM 256 QAM	79@0	14.103	14.64
78	15	20	650000	3750.0	DFT-s-OFDM PI/2 BPSK	100@0	17.864	18.61
78	15	20	650000	3750.0	DFT-s-OFDM QPSK	100@0	17.854	18.79
78	15	20	650000	3750.0	CP-OFDM QPSK	106@0	18.892	20.28
78	15	20	650000	3750.0	CP-OFDM 16 QAM	106@0	18.907	19.65
78	15	20	650000	3750.0	CP-OFDM 64 QAM	106@0	18.916	20.17
78	15	20	650000	3750.0	CP-OFDM 256 QAM	106@0	18.902	19.66
78	15	25	650000	3750.0	DFT-s-OFDM PI/2 BPSK	128@0	22.875	23.61
78	15	25	650000	3750.0	DFT-s-OFDM QPSK	128@0	22.835	23.73
78	15	25	650000	3750.0	CP-OFDM QPSK	133@0	23.713	24.71
78	15	25	650000	3750.0	CP-OFDM 16 QAM	133@0	23.733	24.59

78	15	25	650000	3750.0	CP-OFDM 64 QAM	133@0	23.719	24.67
78	15	25	650000	3750.0	CP-OFDM 256 QAM	133@0	23.641	24.51
78	15	30	650000	3750.0	DFT-s-OFDM PI/2 BPSK	160@0	28.592	29.49
78	15	30	650000	3750.0	DFT-s-OFDM QPSK	160@0	28.581	29.5
78	15	30	650000	3750.0	CP-OFDM QPSK	160@0	28.528	29.68
78	15	30	650000	3750.0	CP-OFDM 16 QAM	160@0	28.55	29.52
78	15	30	650000	3750.0	CP-OFDM 64 QAM	160@0	28.498	29.58
78	15	30	650000	3750.0	CP-OFDM 256 QAM	160@0	28.517	30.15
78	15	40	650000	3750.0	DFT-s-OFDM PI/2 BPSK	216@0	38.62	40.0
78	15	40	650000	3750.0	DFT-s-OFDM QPSK	216@0	38.508	39.83
78	15	40	650000	3750.0	CP-OFDM QPSK	216@0	38.489	40.08
78	15	40	650000	3750.0	CP-OFDM 16 QAM	216@0	38.586	39.88
78	15	40	650000	3750.0	CP-OFDM 64 QAM	216@0	38.453	39.86
78	15	40	650000	3750.0	CP-OFDM 256 QAM	216@0	38.482	40.01
78	15	50	650000	3750.0	DFT-s-OFDM PI/2 BPSK	270@0	48.166	49.75
78	15	50	650000	3750.0	DFT-s-OFDM QPSK	270@0	48.095	49.7
78	15	50	650000	3750.0	CP-OFDM QPSK	270@0	48.119	50.16
78	15	50	650000	3750.0	CP-OFDM 16 QAM	270@0	48.085	49.76
78	15	50	650000	3750.0	CP-OFDM 64 QAM	270@0	48.202	50.15
78	15	50	650000	3750.0	CP-OFDM 256 QAM	270@0	48.142	50.29

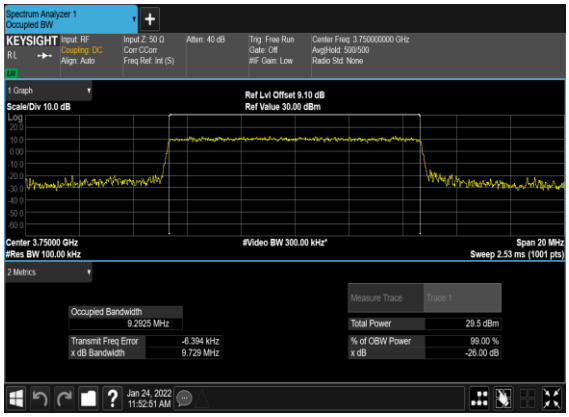
N78(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



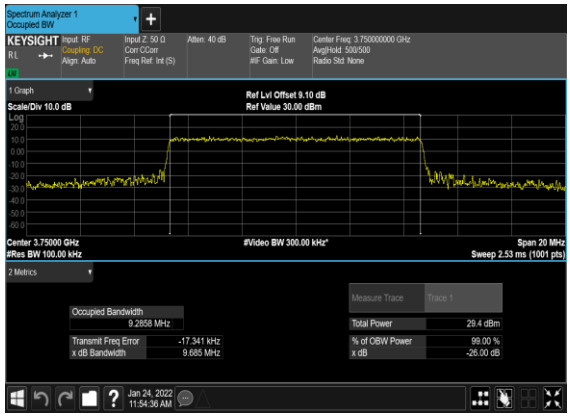
N78(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



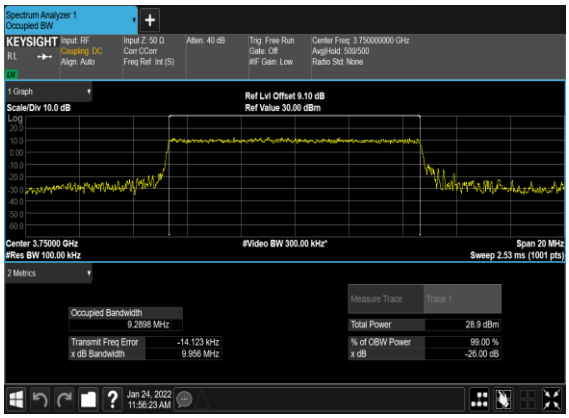
N78(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



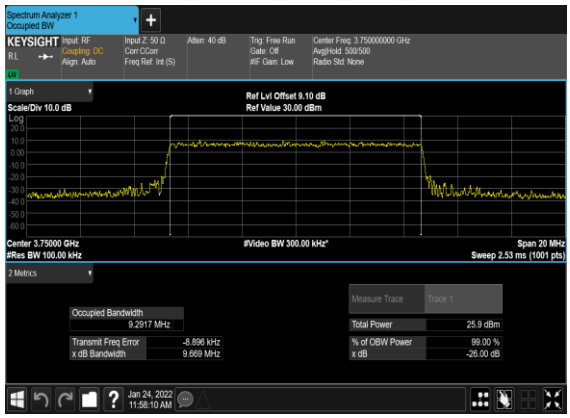
N78(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



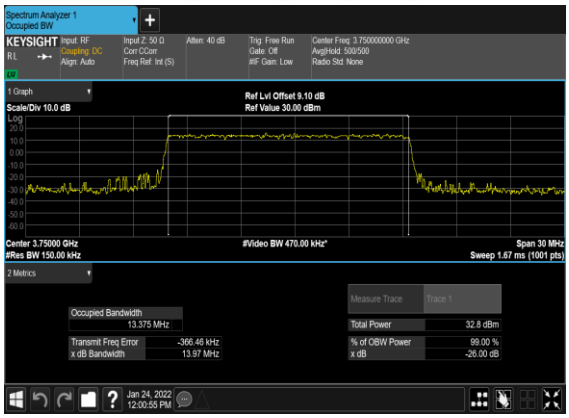
N78(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



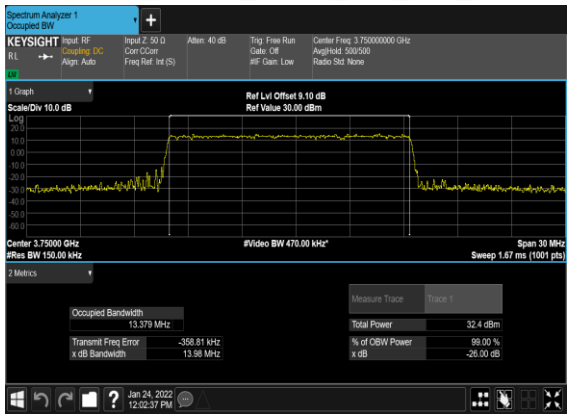
N78(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



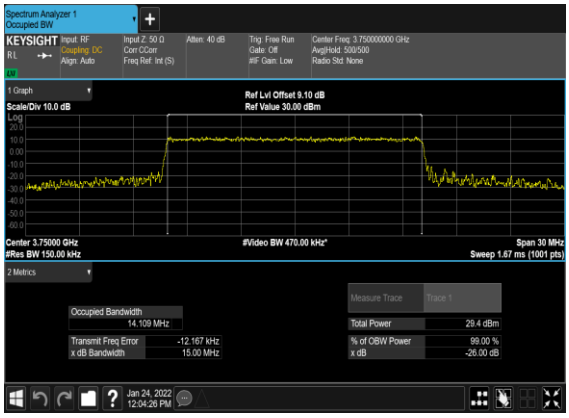
N78(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



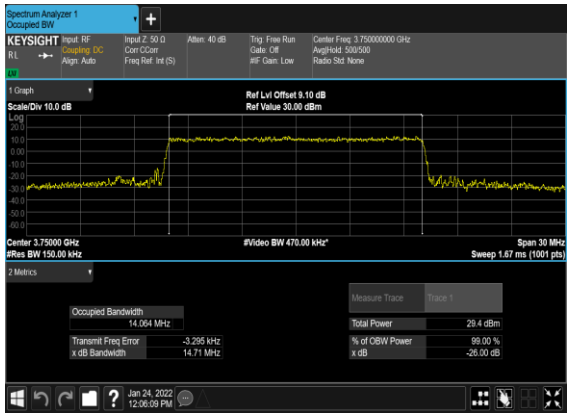
N78(15M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



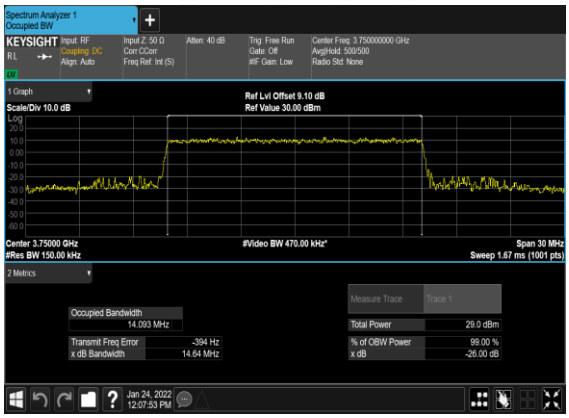
N78(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



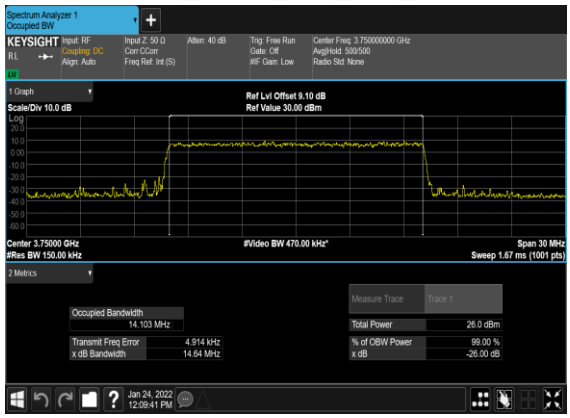
N78(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



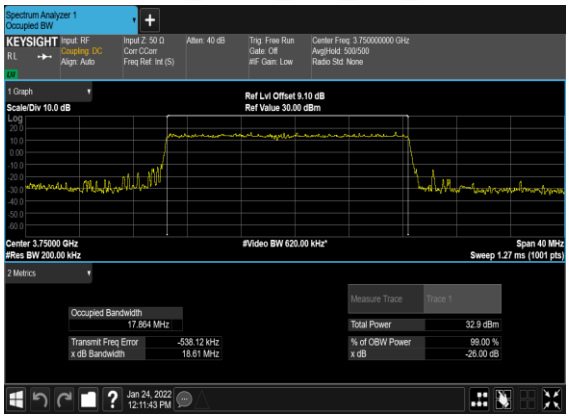
N78(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



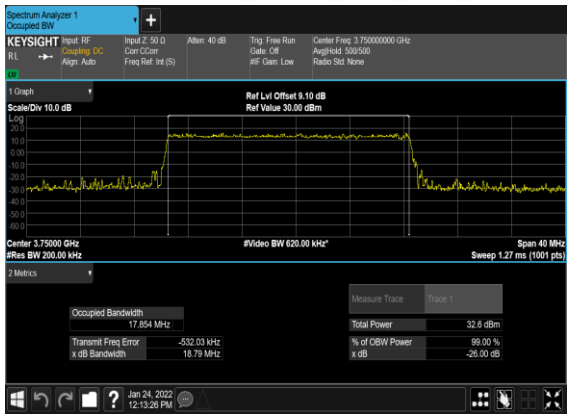
N78(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



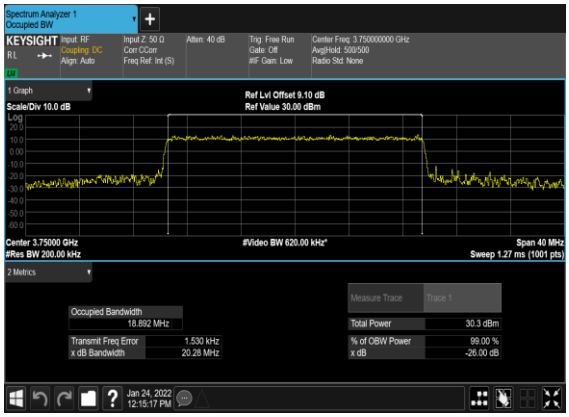
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



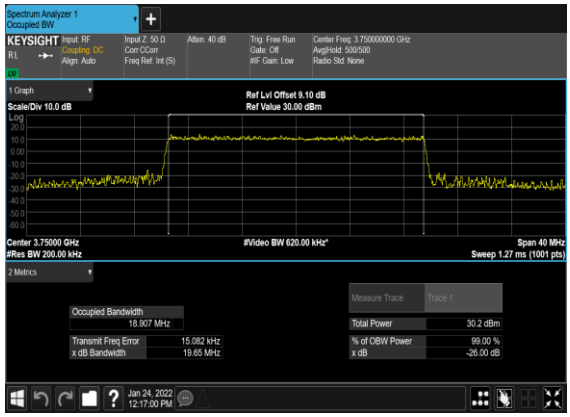
N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



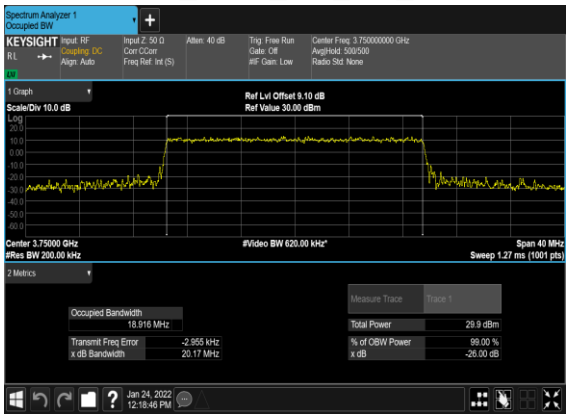
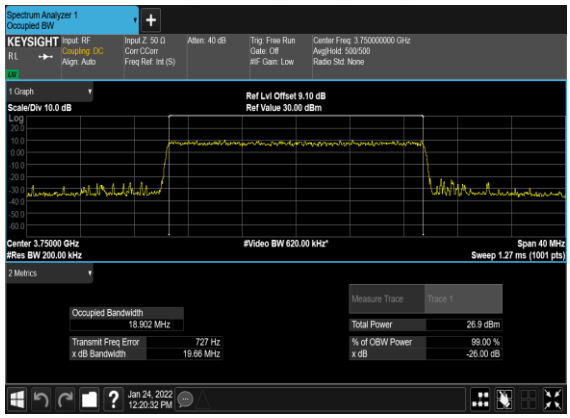
N78(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N78(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N78(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N78(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH