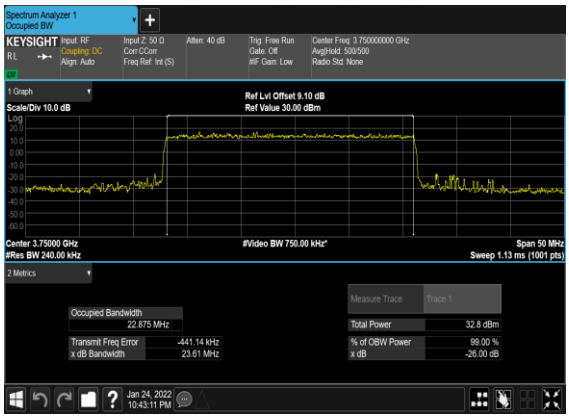
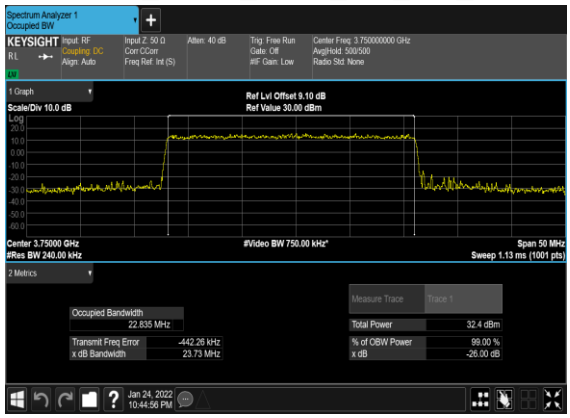
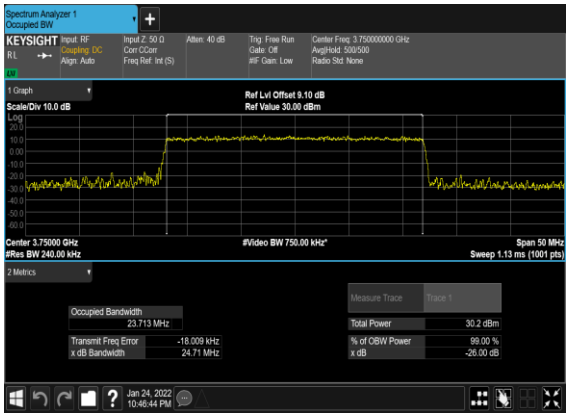
N78(25M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



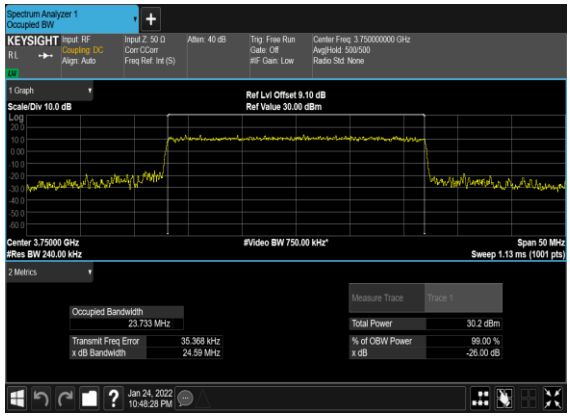
N78(25M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



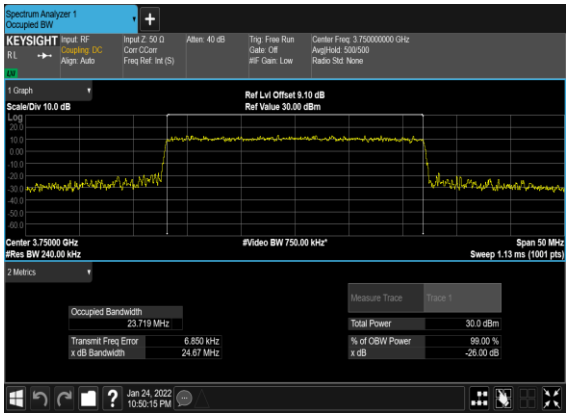
N78(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



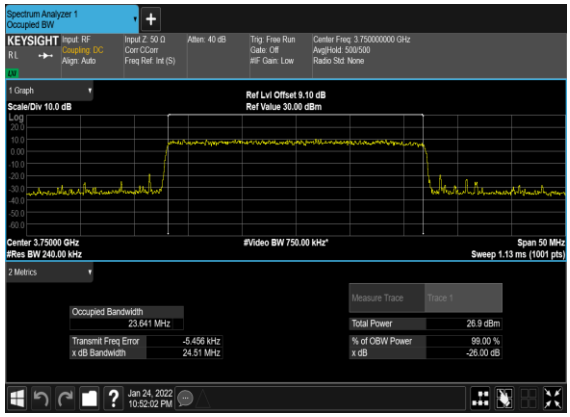
N78(25M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



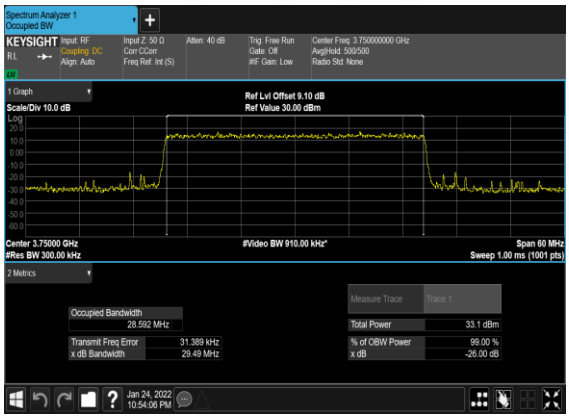
N78(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



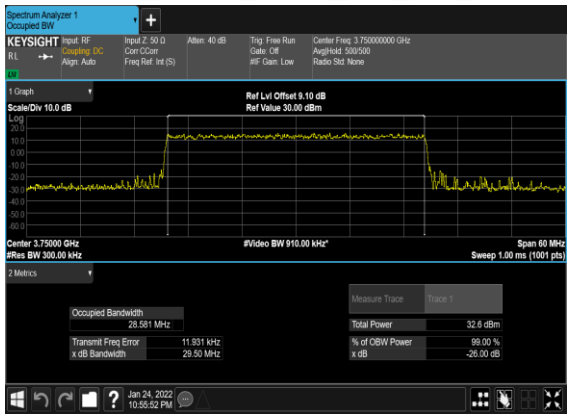
N78(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



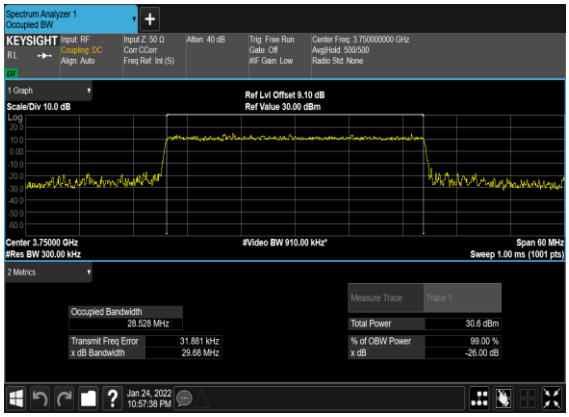
N78(30M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



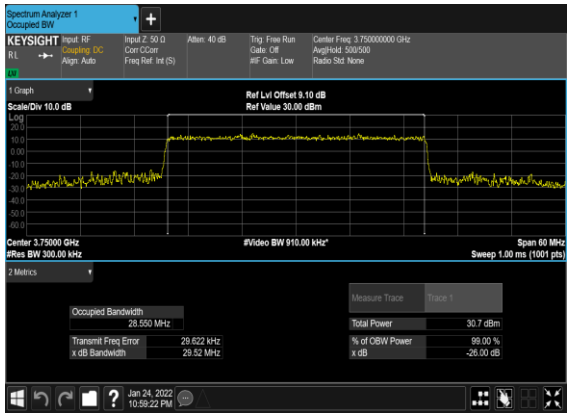
N78(30M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



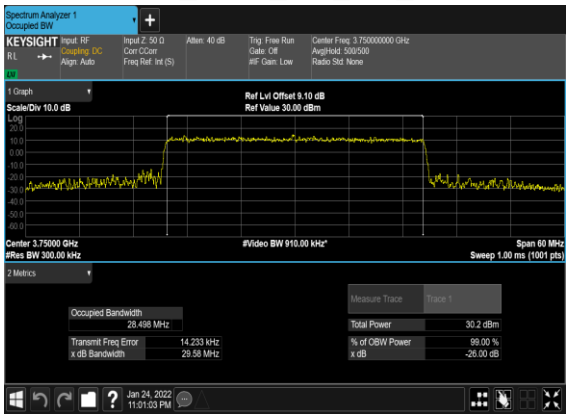
N78(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



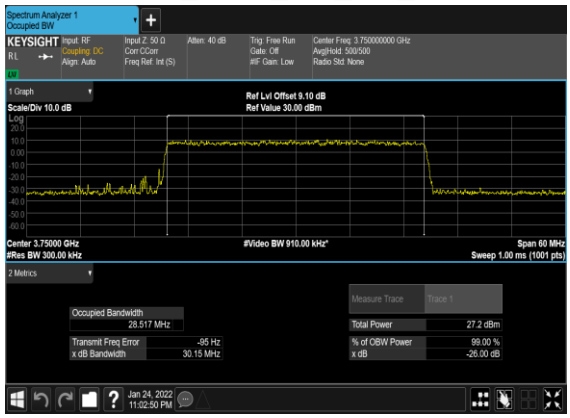
N78(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



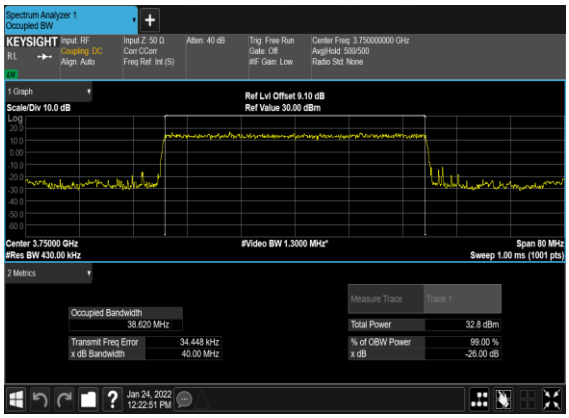
N78(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



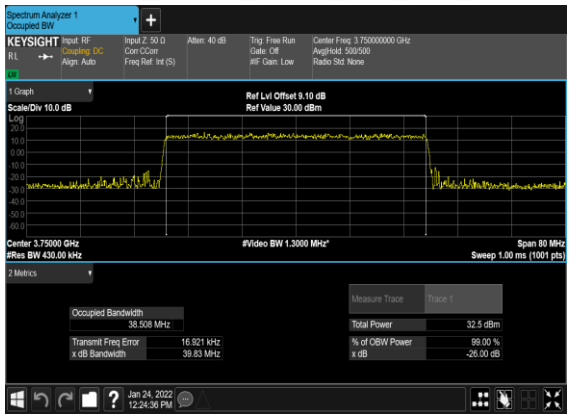
N78(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



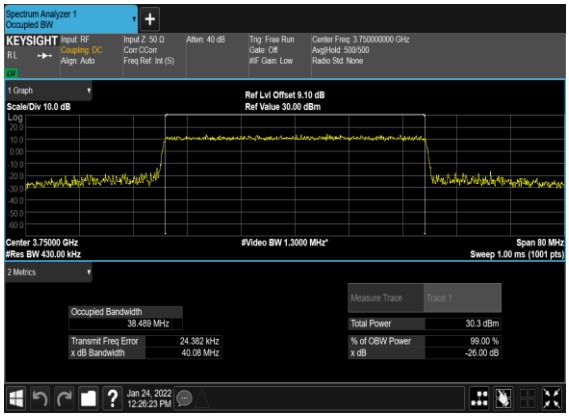
N78(40M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



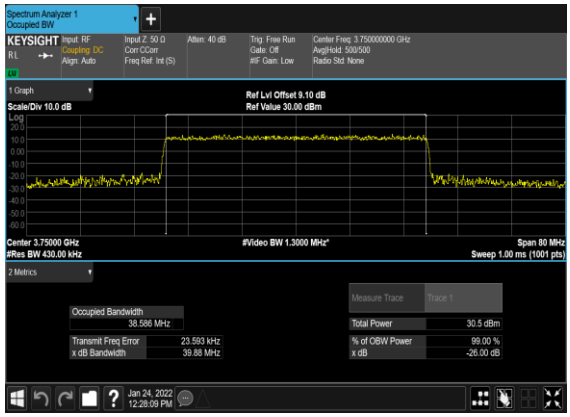
N78(40M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



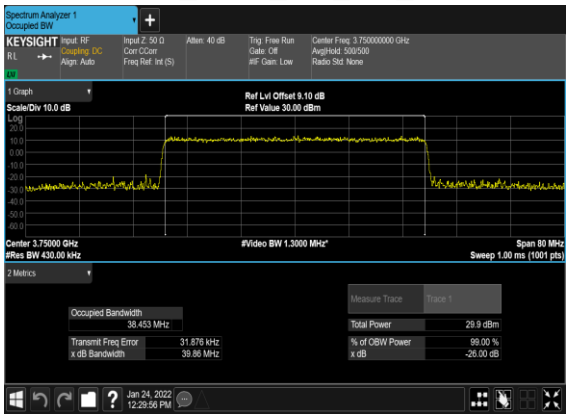
N78(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



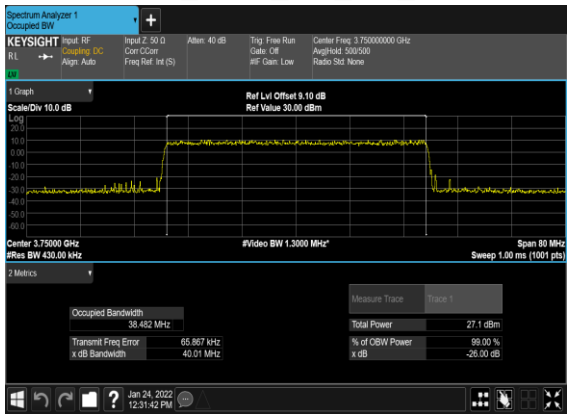
N78(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



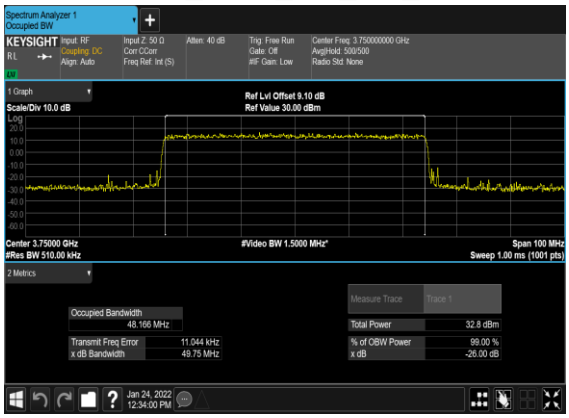
N78(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



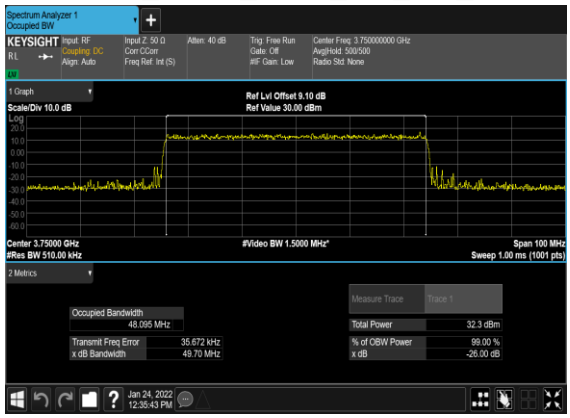
N78(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



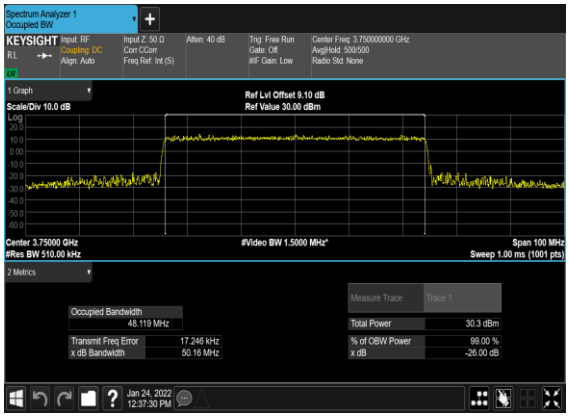
N78(50M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



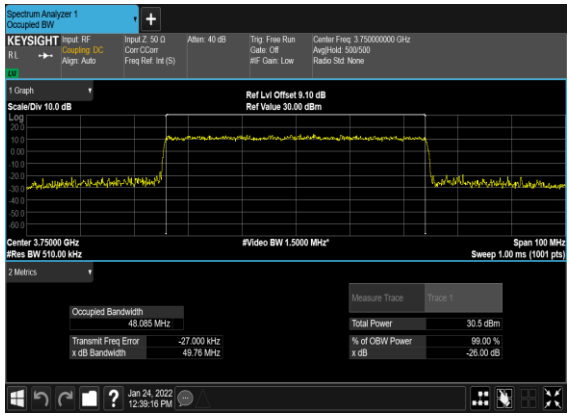
N78(50M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



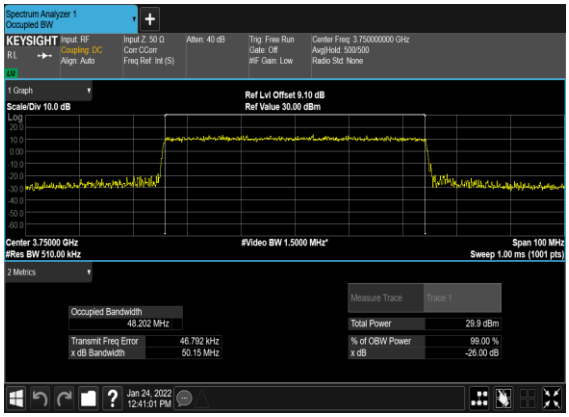
N78(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



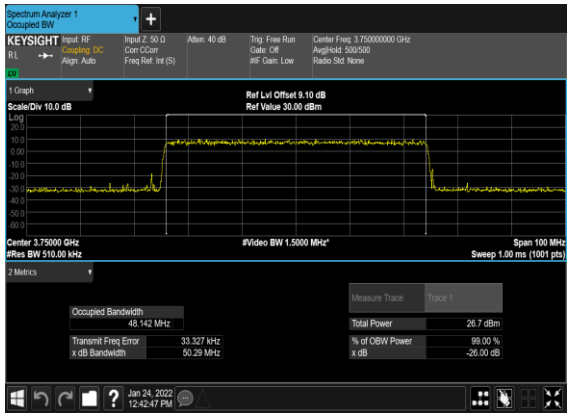
N78(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N78(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N78(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



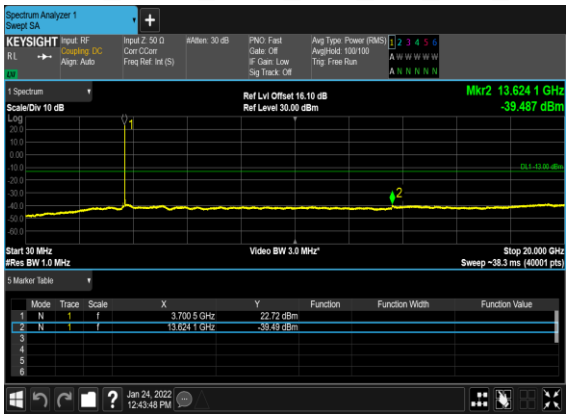
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	15	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	15	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	15	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	10	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	15	10	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	10	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	10	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	15	10	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	10	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	10	653000	3795.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	15	10	653000	3795.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	10	653000	3795.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	10	653000	3795.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	15	10	653000	3795.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	10	653000	3795.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	25	647500	3712.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	15	25	647500	3712.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**

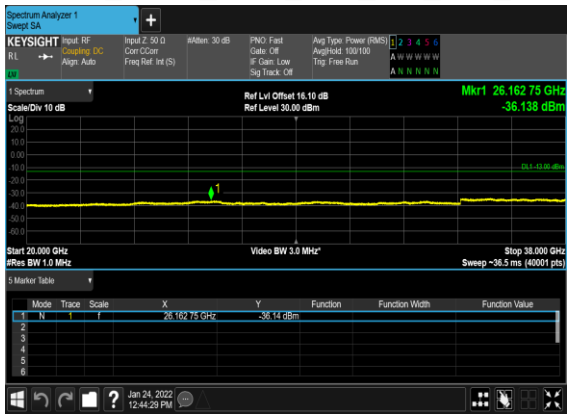
78	15	25	647500	3712.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	25	647500	3712.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	15	25	647500	3712.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	25	647500	3712.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	25	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	15	25	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	25	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	25	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	15	25	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	25	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	25	652500	3787.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	15	25	652500	3787.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	25	652500	3787.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	25	652500	3787.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	15	25	652500	3787.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	25	652500	3787.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	15	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	15	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	50	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	15	50	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**

78	15	50	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	50	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	15	50	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	50	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	50	651666	3774.99	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	15	50	651666	3774.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	50	651666	3774.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	50	651666	3774.99	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	15	50	651666	3774.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	50	651666	3774.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

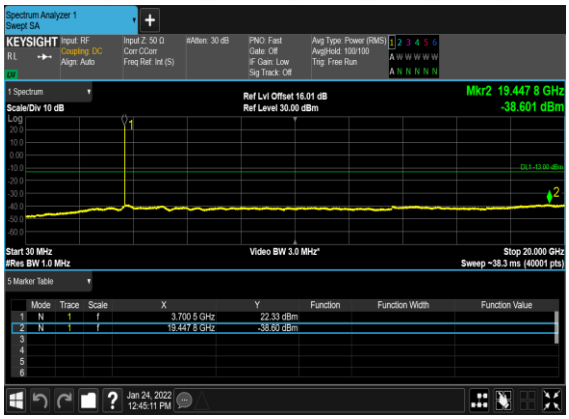
N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



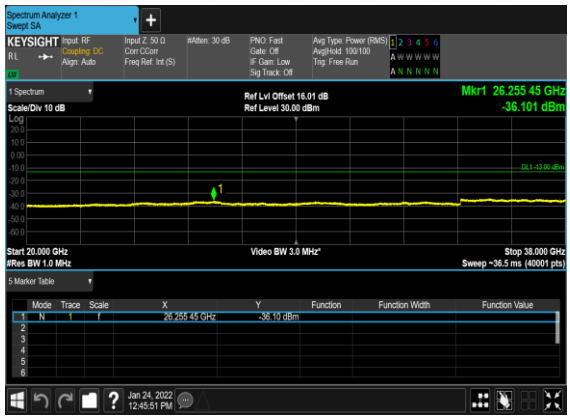
N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



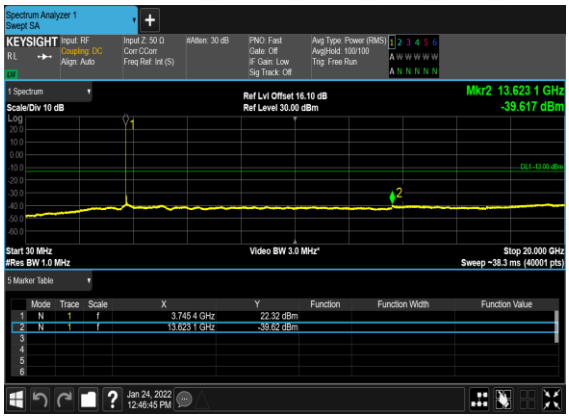
N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



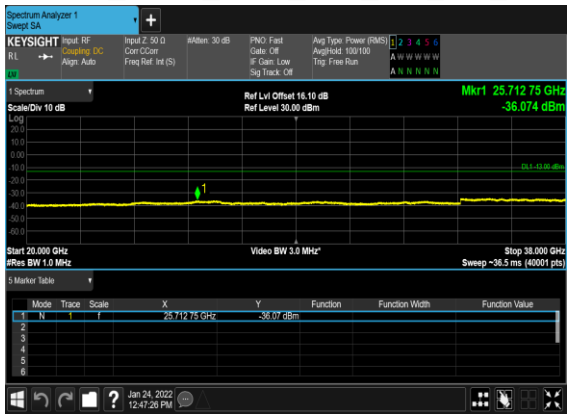
N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



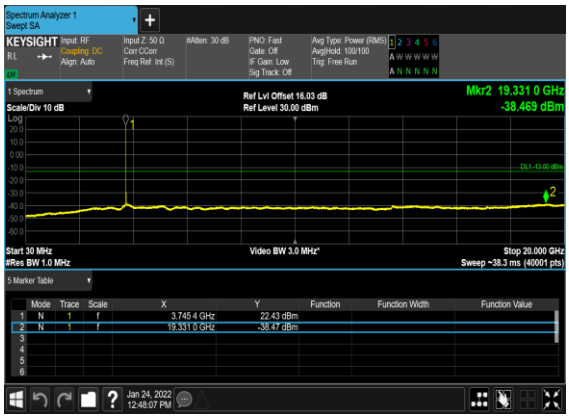
N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



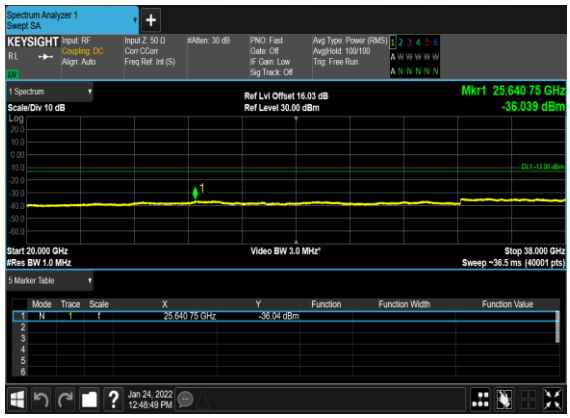
N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



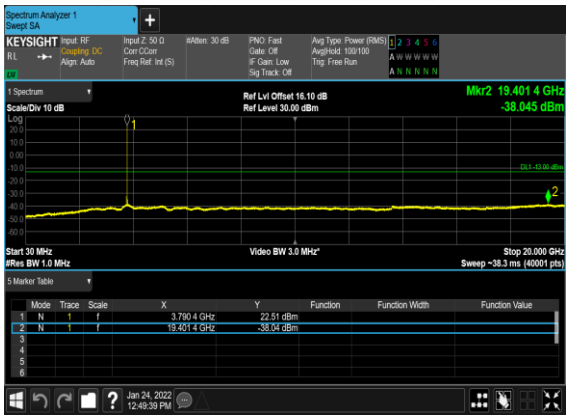
N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



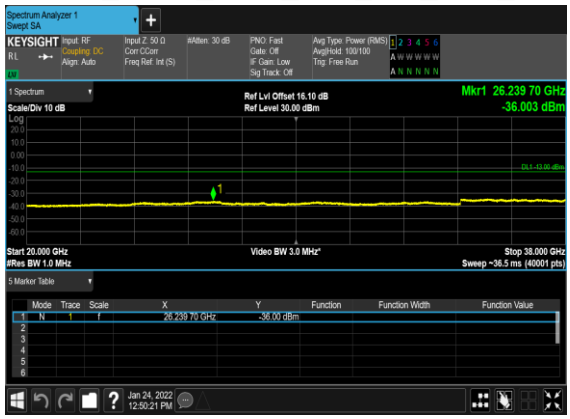
N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



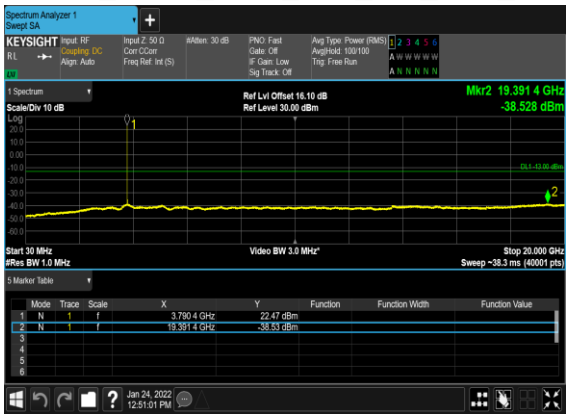
N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



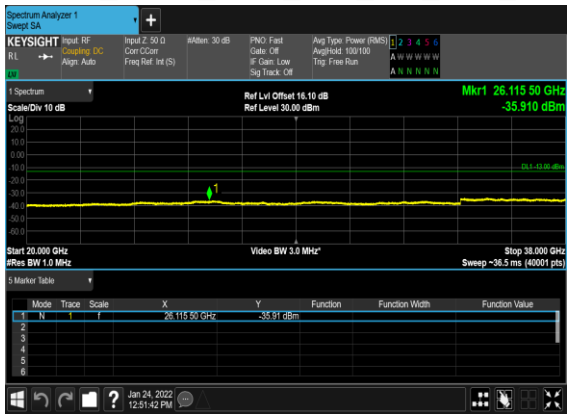
N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



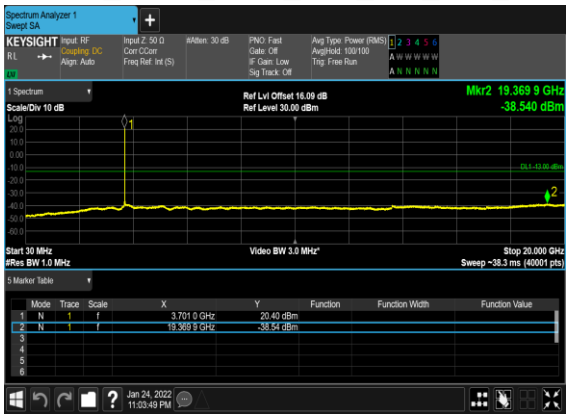
N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



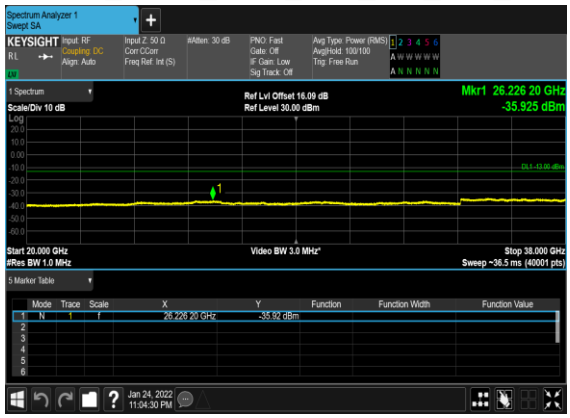
N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



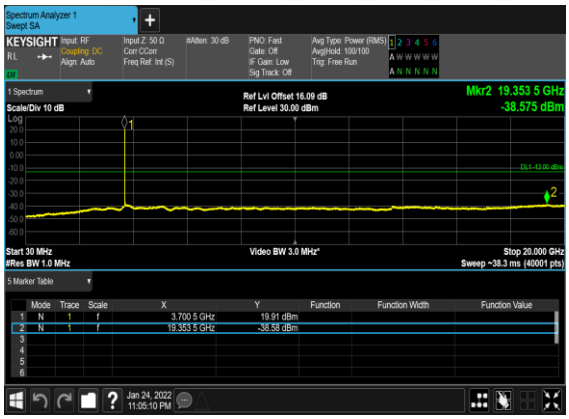
N78(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N78(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N78(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



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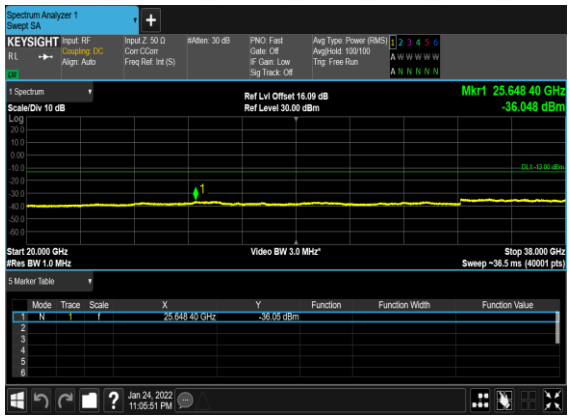
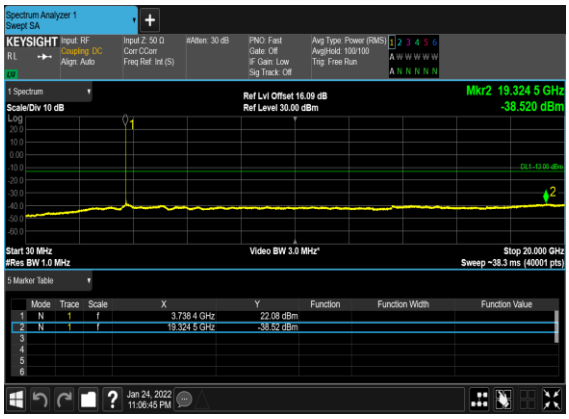
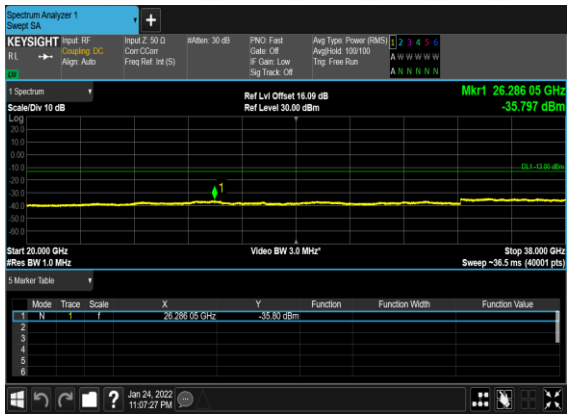


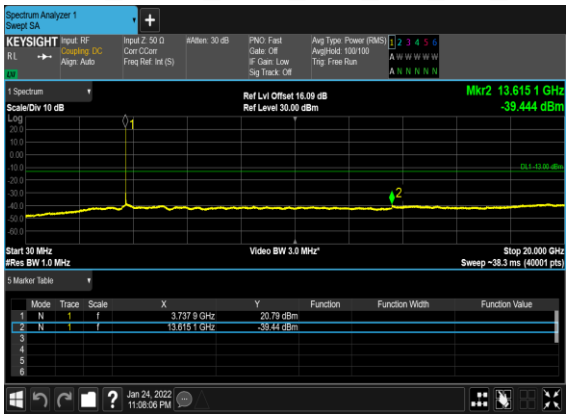
N78(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



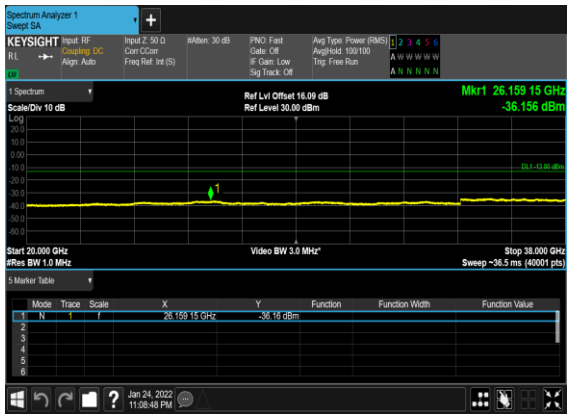
N78(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



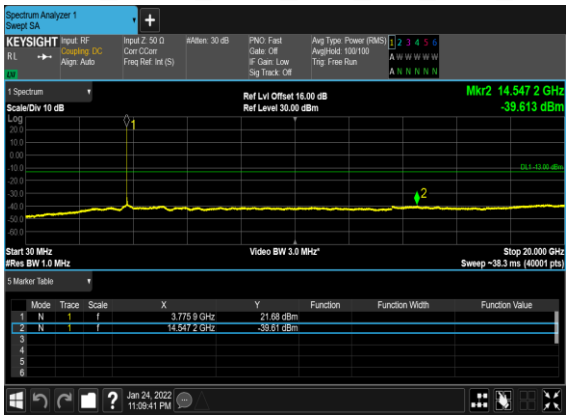
N78(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



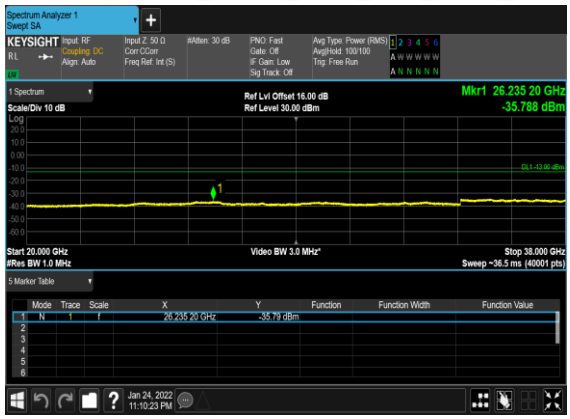
N78(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



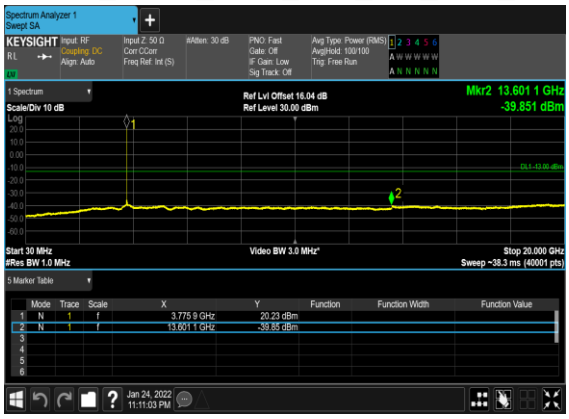
N78(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



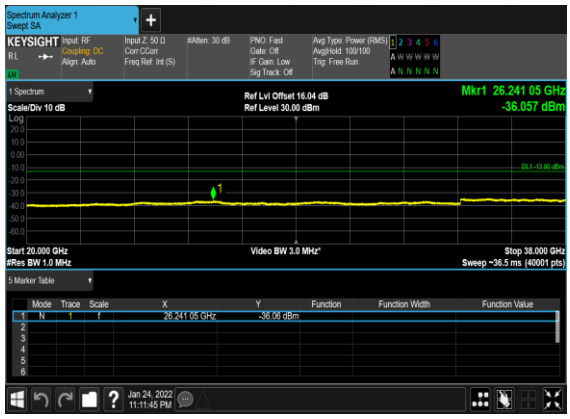
N78(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



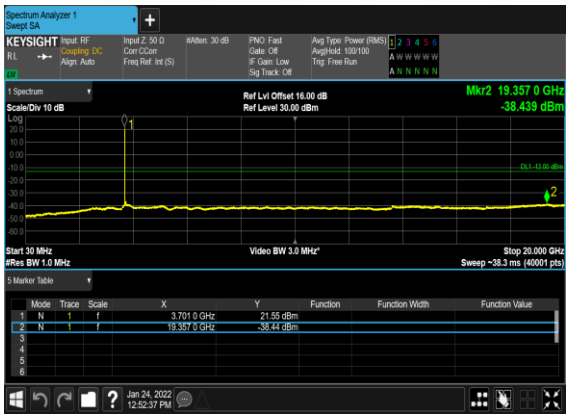
N78(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



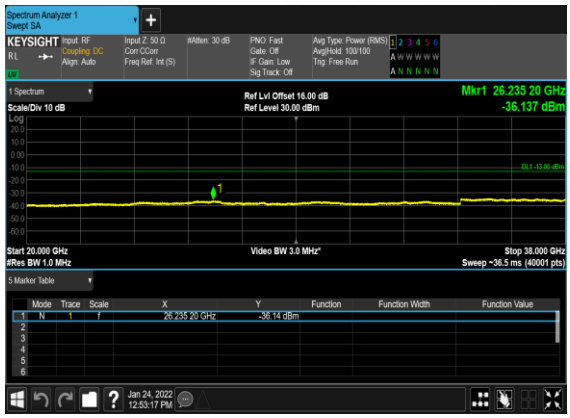
N78(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



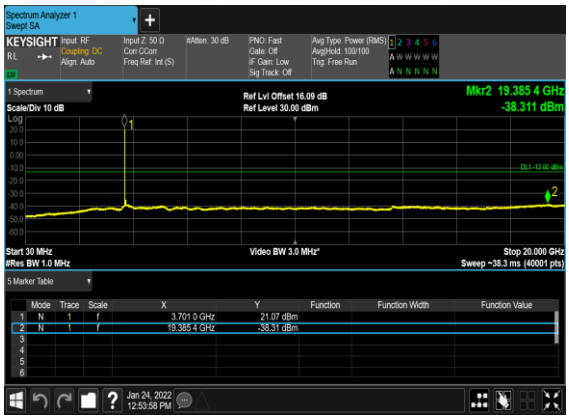
N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



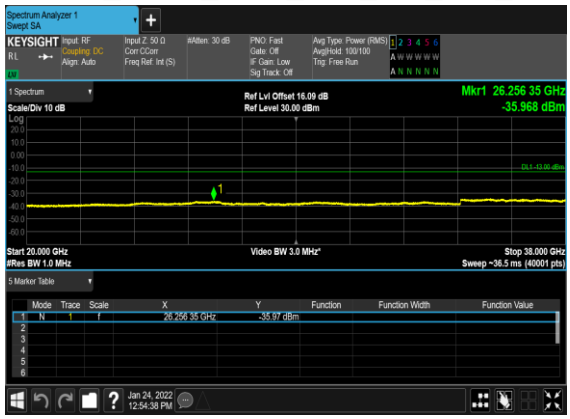
N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



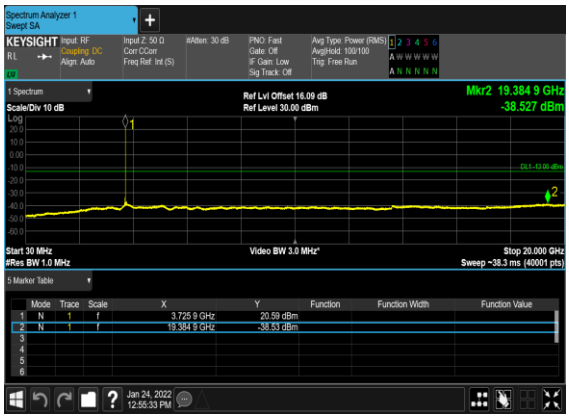
N78(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



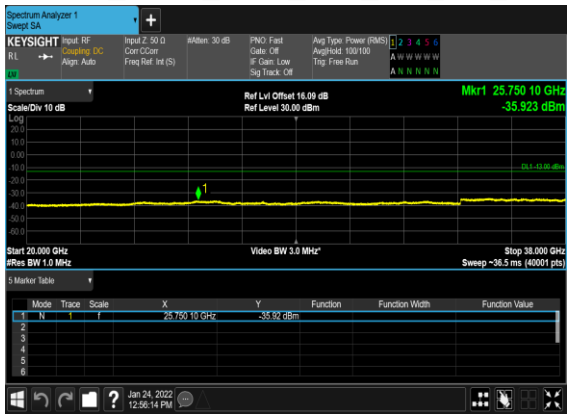
N78(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



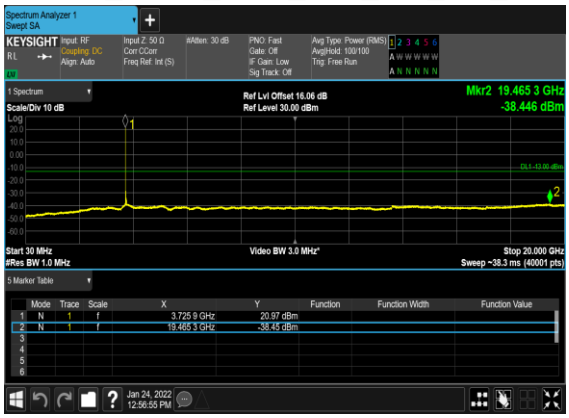
N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



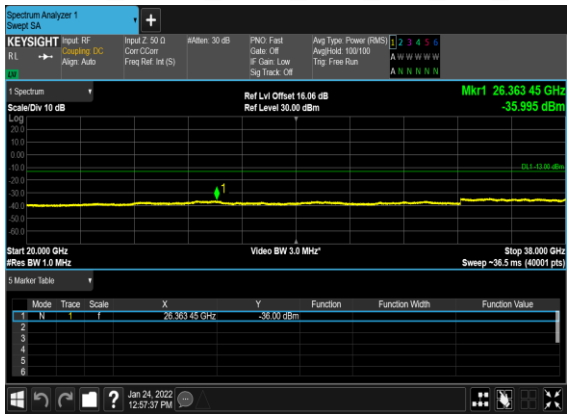
N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



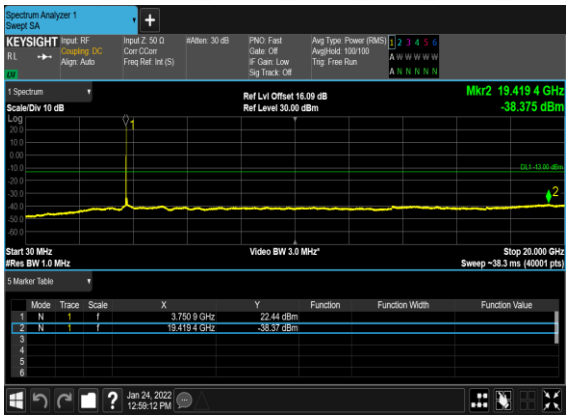
N78(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



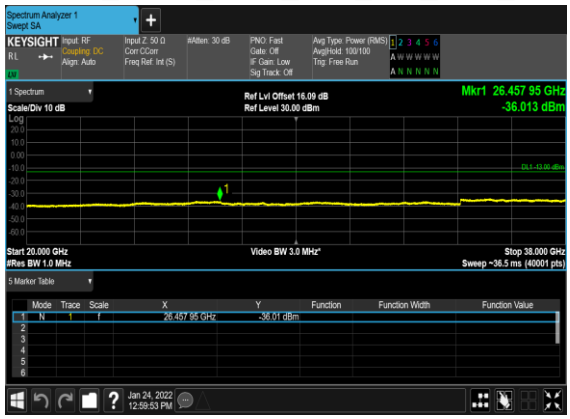
N78(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



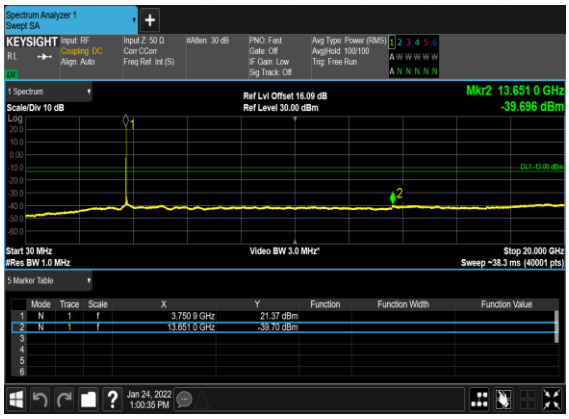
N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



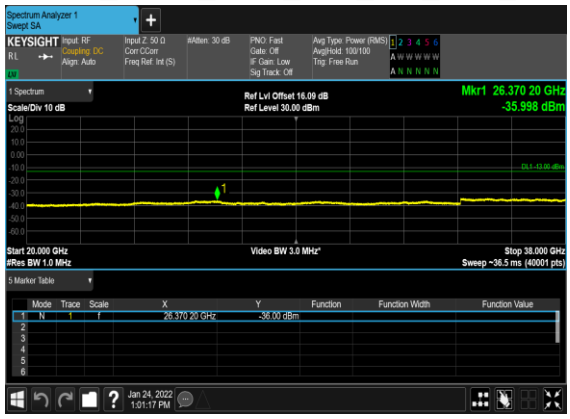
N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N78(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N78(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

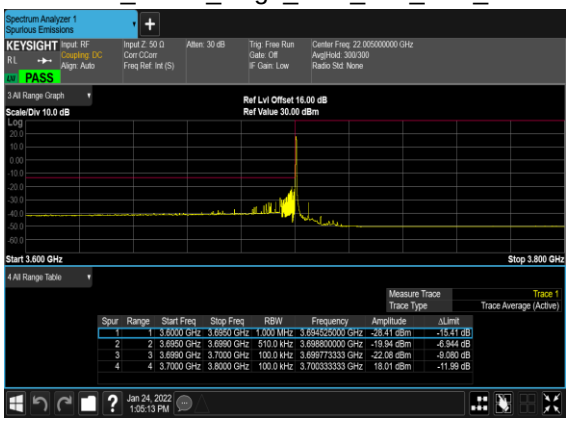


Conducted Band Edge

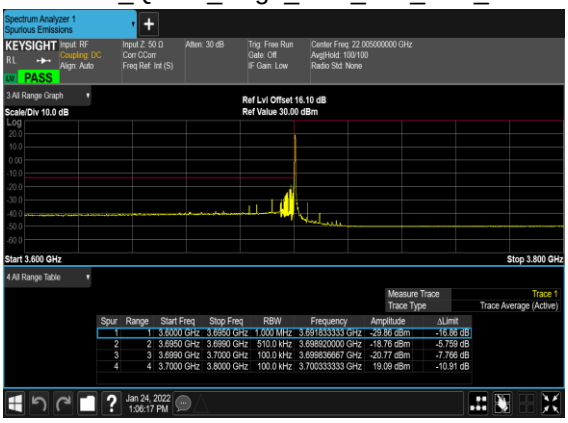
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	15	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	10	647000	3705.0	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
78	15	10	647000	3705.0	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
78	15	10	653000	3795.0	DFT-s-OFDM BPSK	1@51	see graph	**PASS**
78	15	10	653000	3795.0	DFT-s-OFDM QPSK	1@51	see graph	**PASS**
78	15	10	653000	3795.0	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
78	15	10	653000	3795.0	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
78	15	25	647500	3712.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	25	647500	3712.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	25	647500	3712.5	DFT-s-OFDM BPSK	128@0	see graph	**PASS**
78	15	25	647500	3712.5	DFT-s-OFDM QPSK	128@0	see graph	**PASS**
78	15	25	652500	3787.5	DFT-s-OFDM BPSK	1@132	see graph	**PASS**
78	15	25	652500	3787.5	DFT-s-OFDM QPSK	1@132	see graph	**PASS**
78	15	25	652500	3787.5	DFT-s-OFDM BPSK	128@0	see graph	**PASS**
78	15	25	652500	3787.5	DFT-s-OFDM QPSK	128@0	see graph	**PASS**
78	15	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	50	648334	3725.01	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
78	15	50	648334	3725.01	DFT-s-OFDM QPSK	270@0	see graph	**PASS**
78	15	50	651666	3774.99	DFT-s-OFDM BPSK	1@269	see graph	**PASS**
78	15	50	651666	3774.99	DFT-s-OFDM QPSK	1@269	see graph	**PASS**

78	15	50	651666	3774.99	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
78	15	50	651666	3774.99	DFT-s-OFDM QPSK	270@0	see graph	**PASS**

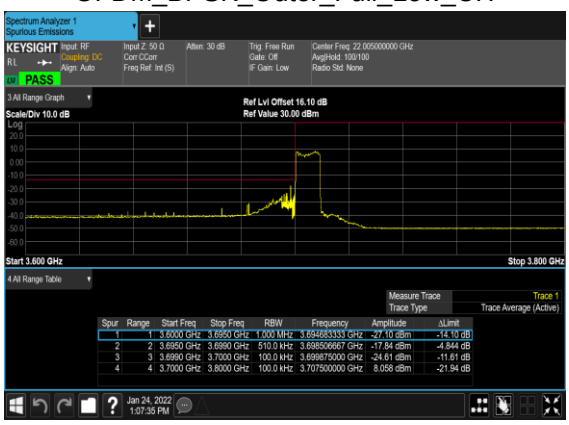
N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



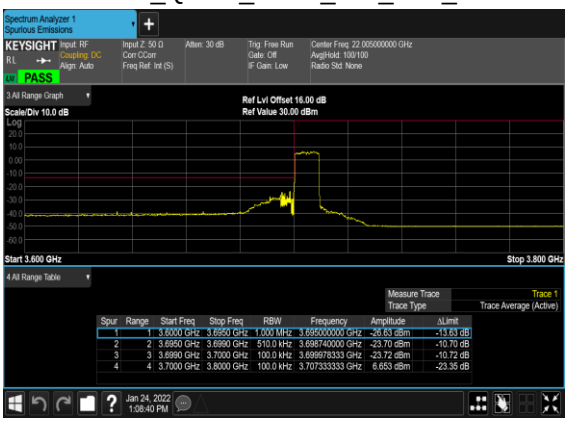
N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



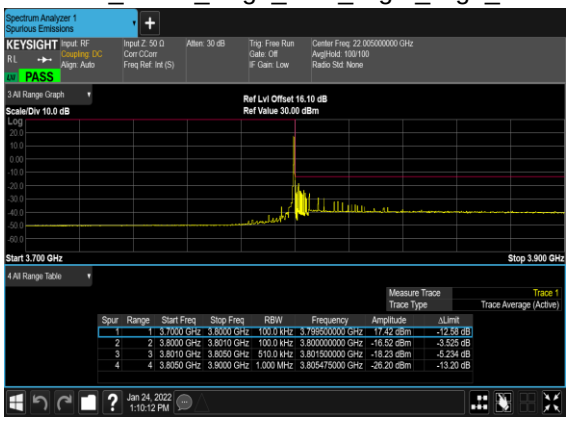
N78(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



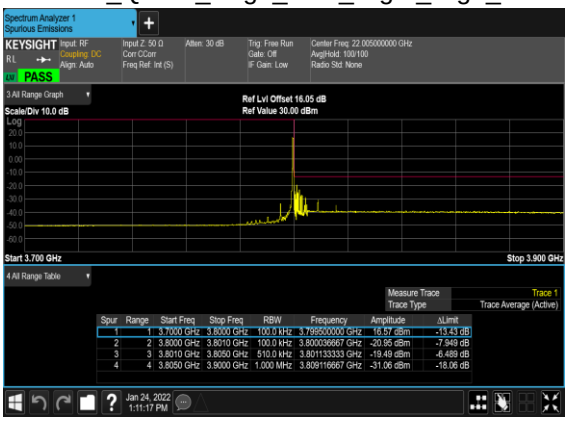
N78(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



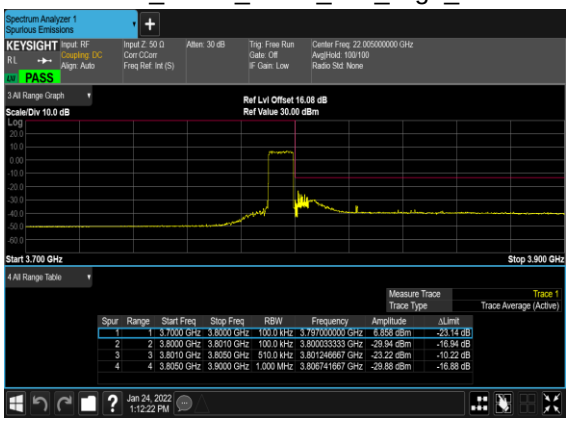
N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



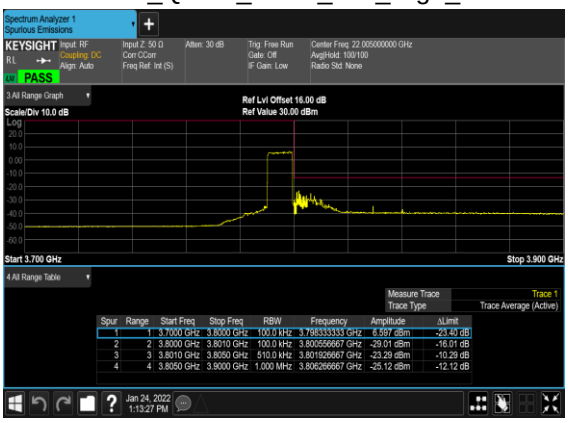
N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



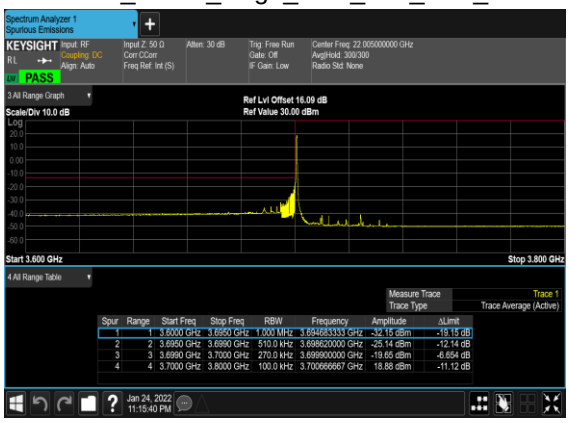
N78(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



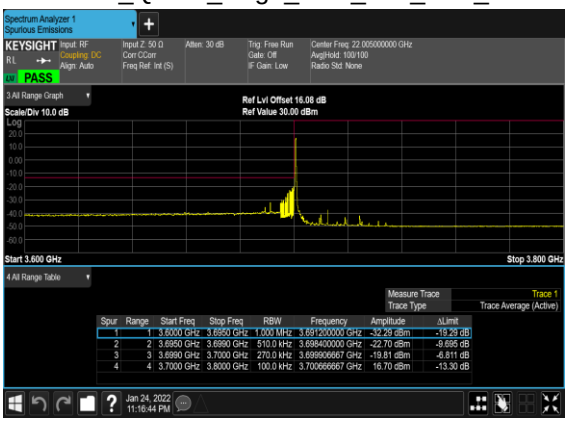
N78(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



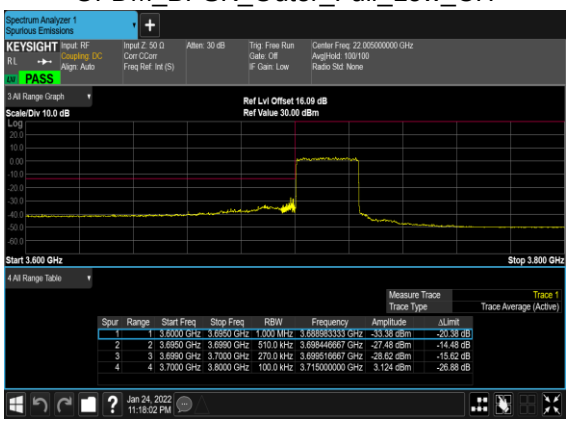
N78(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



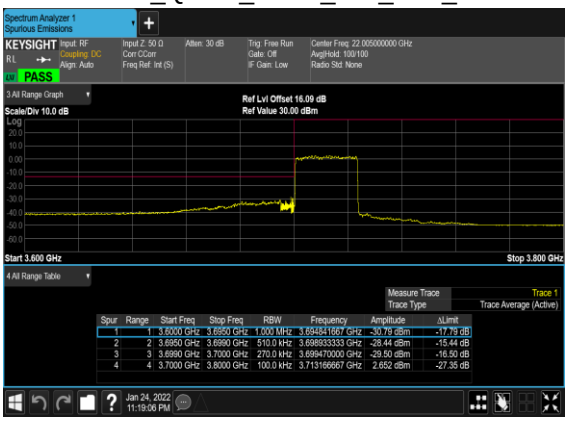
N78(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



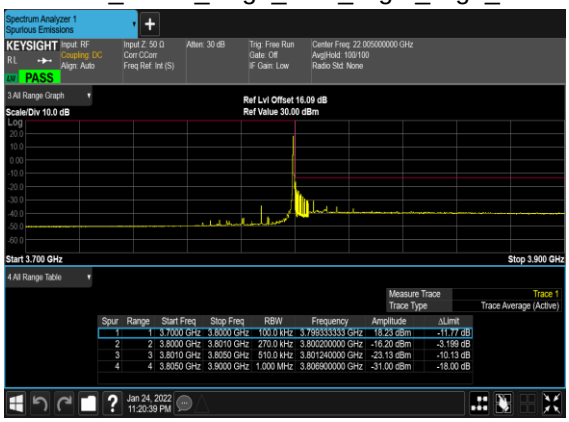
N78(25M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



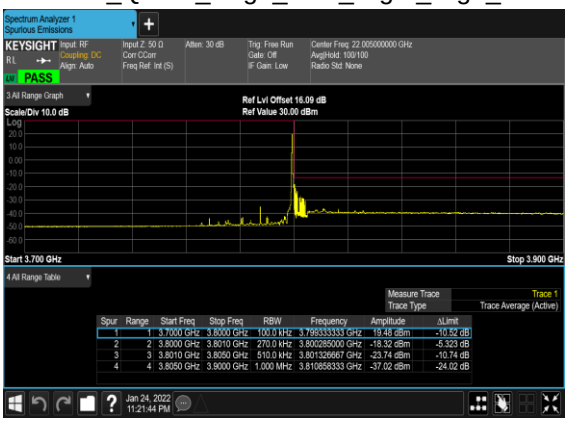
N78(25M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



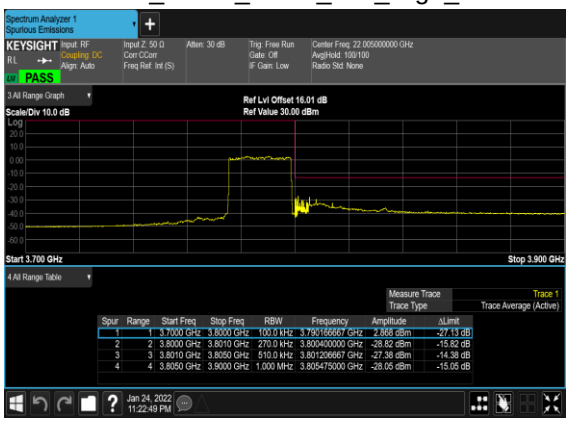
N78(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



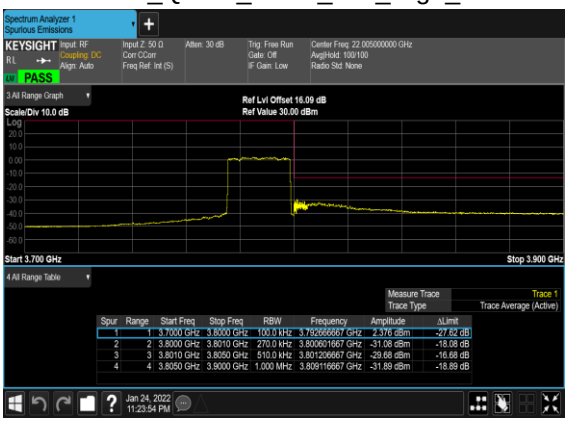
N78(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



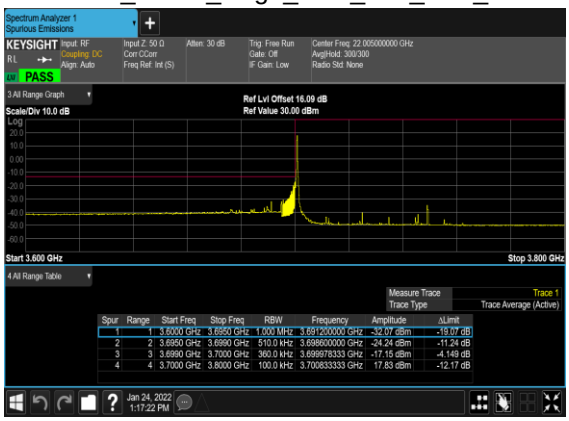
N78(25M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



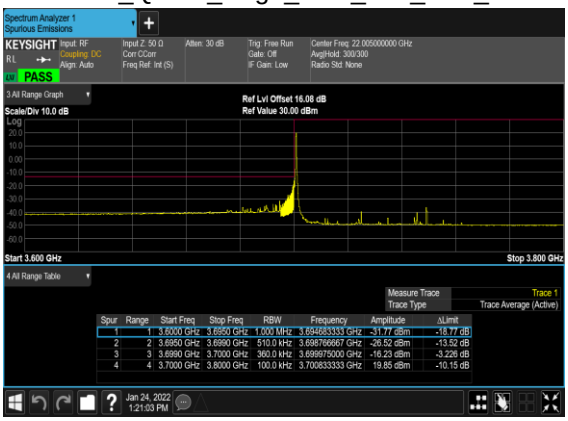
N78(25M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



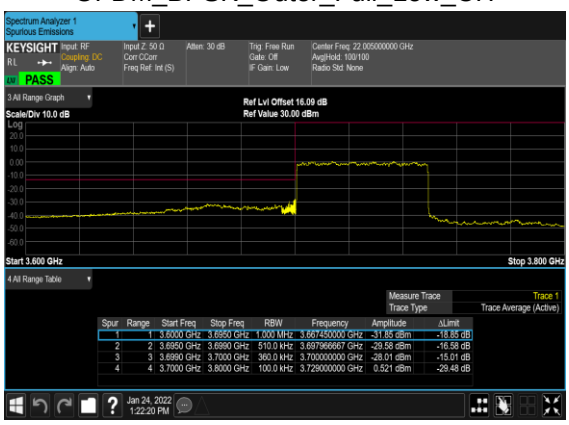
N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N78(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

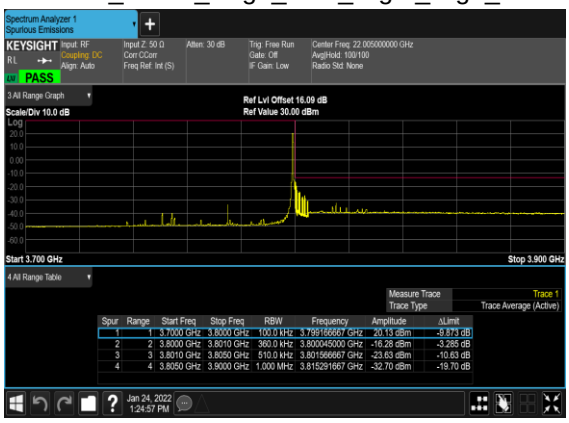


N78(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

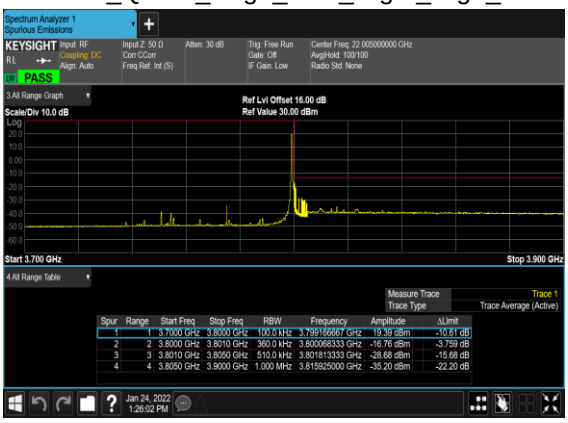


N78(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

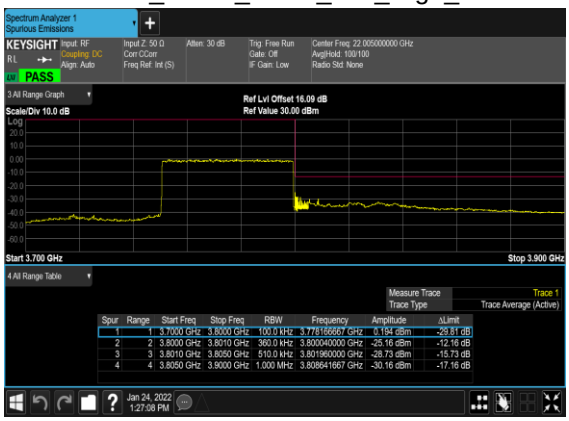
N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



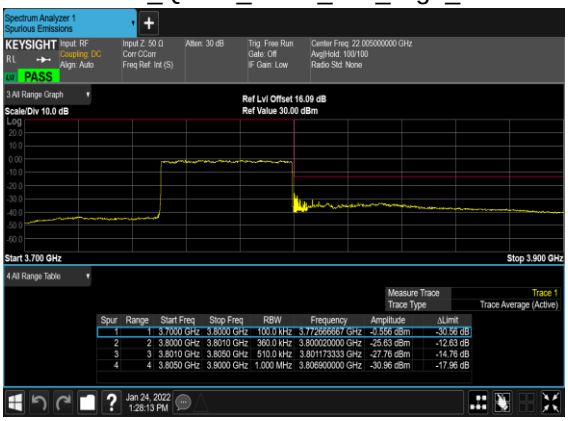
N78(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N78(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N78(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 22.02.011702

FR1 N78(ANT4) – SCS 30kHz

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	30	10	647000	3705	DFT-s-OFDM PI/2 BPSK	12@6	26.62	25.6	0.3631
78	30	10	647000	3705	DFT-s-OFDM PI/2 BPSK	1@1	26.56	25.54	0.3581
78	30	10	647000	3705	DFT-s-OFDM PI/2 BPSK	1@22	26.55	25.53	0.3573
78	30	10	647000	3705	DFT-s-OFDM QPSK	12@6	26.66	25.64	0.3664
78	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	26.56	25.54	0.3581
78	30	10	647000	3705	DFT-s-OFDM QPSK	1@22	26.57	25.55	0.3589
78	30	10	647000	3705	DFT-s-OFDM 16 QAM	12@6	25.73	24.71	0.2958
78	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	25.48	24.46	0.2793
78	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@22	25.59	24.57	0.2864
78	30	10	647000	3705	DFT-s-OFDM 64 QAM	12@6	24.23	23.21	0.2094
78	30	10	647000	3705	DFT-s-OFDM 64 QAM	1@1	24.12	23.1	0.2042
78	30	10	647000	3705	DFT-s-OFDM 64 QAM	1@22	24.04	23.02	0.2004
78	30	10	647000	3705	DFT-s-OFDM 256 QAM	12@6	22.1	21.08	0.1282
78	30	10	647000	3705	DFT-s-OFDM 256 QAM	1@1	22.12	21.1	0.1288
78	30	10	647000	3705	DFT-s-OFDM 256 QAM	1@22	22.1	21.08	0.1282
78	30	10	647000	3705	CP-OFDM QPSK	12@6	25.16	24.14	0.2594
78	30	10	647000	3705	CP-OFDM QPSK	1@1	25.13	24.11	0.2576
78	30	10	647000	3705	CP-OFDM QPSK	1@22	25.28	24.26	0.2667
78	30	10	650000	3750	DFT-s-OFDM PI/2 BPSK	12@6	26.69	25.67	0.3690
78	30	10	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.53	25.51	0.3556
78	30	10	650000	3750	DFT-s-OFDM PI/2 BPSK	1@22	26.6	25.58	0.3614
78	30	10	650000	3750	DFT-s-OFDM QPSK	12@6	26.67	25.65	0.3673
78	30	10	650000	3750	DFT-s-OFDM QPSK	1@1	26.57	25.55	0.3589
78	30	10	650000	3750	DFT-s-OFDM QPSK	1@22	26.58	25.56	0.3597
78	30	10	650000	3750	DFT-s-OFDM 16 QAM	12@6	25.78	24.76	0.2992
78	30	10	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.5	24.48	0.2805
78	30	10	650000	3750	DFT-s-OFDM 16 QAM	1@22	25.61	24.59	0.2877
78	30	10	650000	3750	DFT-s-OFDM 64 QAM	12@6	24.18	23.16	0.2070
78	30	10	650000	3750	DFT-s-OFDM	1@1	24.12	23.1	0.2042

					64 QAM				
78	30	10	650000	3750	DFT-s-OFDM 64 QAM	1@22	24.33	23.31	0.2143
78	30	10	650000	3750	DFT-s-OFDM 256 QAM	12@6	22.15	21.13	0.1297
78	30	10	650000	3750	DFT-s-OFDM 256 QAM	1@1	22.13	21.11	0.1291
78	30	10	650000	3750	DFT-s-OFDM 256 QAM	1@22	22.1	21.08	0.1282
78	30	10	650000	3750	CP-OFDM QPSK	12@6	25.16	24.14	0.2594
78	30	10	650000	3750	CP-OFDM QPSK	1@1	25.12	24.1	0.2570
78	30	10	650000	3750	CP-OFDM QPSK	1@22	25.1	24.08	0.2559
78	30	10	653000	3795	DFT-s-OFDM PI/2 BPSK	12@6	26.81	25.79	0.3793
78	30	10	653000	3795	DFT-s-OFDM PI/2 BPSK	1@1	26.68	25.66	0.3681
78	30	10	653000	3795	DFT-s-OFDM PI/2 BPSK	1@22	26.72	25.7	0.3715
78	30	10	653000	3795	DFT-s-OFDM QPSK	12@6	26.8	25.78	0.3784
78	30	10	653000	3795	DFT-s-OFDM QPSK	1@1	26.7	25.68	0.3698
78	30	10	653000	3795	DFT-s-OFDM QPSK	1@22	26.74	25.72	0.3733
78	30	10	653000	3795	DFT-s-OFDM 16 QAM	12@6	25.86	24.84	0.3048
78	30	10	653000	3795	DFT-s-OFDM 16 QAM	1@1	25.79	24.77	0.2999
78	30	10	653000	3795	DFT-s-OFDM 16 QAM	1@22	25.74	24.72	0.2965
78	30	10	653000	3795	DFT-s-OFDM 64 QAM	12@6	24.37	23.35	0.2163
78	30	10	653000	3795	DFT-s-OFDM 64 QAM	1@1	24.12	23.1	0.2042
78	30	10	653000	3795	DFT-s-OFDM 64 QAM	1@22	24.18	23.16	0.2070
78	30	10	653000	3795	DFT-s-OFDM 256 QAM	12@6	22.28	21.26	0.1337
78	30	10	653000	3795	DFT-s-OFDM 256 QAM	1@1	22.23	21.21	0.1321
78	30	10	653000	3795	DFT-s-OFDM 256 QAM	1@22	22.26	21.24	0.1330
78	30	10	653000	3795	CP-OFDM QPSK	12@6	25.27	24.25	0.2661
78	30	10	653000	3795	CP-OFDM QPSK	1@1	25.4	24.38	0.2742
78	30	10	653000	3795	CP-OFDM QPSK	1@22	25.42	24.4	0.2754
78	30	15	647168	3707.52	DFT-s-OFDM PI/2 BPSK	18@9	26.62	25.6	0.3631
78	30	15	647168	3707.52	DFT-s-OFDM PI/2 BPSK	1@1	26.56	25.54	0.3581
78	30	15	647168	3707.52	DFT-s-OFDM PI/2 BPSK	1@36	26.56	25.54	0.3581
78	30	15	647168	3707.52	DFT-s-OFDM QPSK	18@9	26.67	25.65	0.3673
78	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	26.59	25.57	0.3606
78	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@36	26.6	25.58	0.3614
78	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	18@9	25.7	24.68	0.2938
78	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	25.54	24.52	0.2831

78	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@36	25.61	24.59	0.2877
78	30	15	647168	3707.52	DFT-s-OFDM 64 QAM	18@9	24.16	23.14	0.2061
78	30	15	647168	3707.52	DFT-s-OFDM 64 QAM	1@1	24.09	23.07	0.2028
78	30	15	647168	3707.52	DFT-s-OFDM 64 QAM	1@36	24.1	23.08	0.2032
78	30	15	647168	3707.52	DFT-s-OFDM 256 QAM	18@9	22.12	21.1	0.1288
78	30	15	647168	3707.52	DFT-s-OFDM 256 QAM	1@1	22.02	21	0.1259
78	30	15	647168	3707.52	DFT-s-OFDM 256 QAM	1@36	22.09	21.07	0.1279
78	30	15	647168	3707.52	CP-OFDM QPSK	19@9	25.2	24.18	0.2618
78	30	15	647168	3707.52	CP-OFDM QPSK	1@1	25.2	24.18	0.2618
78	30	15	647168	3707.52	CP-OFDM QPSK	1@36	25.18	24.16	0.2606
78	30	15	650000	3750	DFT-s-OFDM PI/2 BPSK	18@9	26.66	25.64	0.3664
78	30	15	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.54	25.52	0.3565
78	30	15	650000	3750	DFT-s-OFDM PI/2 BPSK	1@36	26.63	25.61	0.3639
78	30	15	650000	3750	DFT-s-OFDM QPSK	18@9	26.7	25.68	0.3698
78	30	15	650000	3750	DFT-s-OFDM QPSK	1@1	26.67	25.65	0.3673
78	30	15	650000	3750	DFT-s-OFDM QPSK	1@36	26.59	25.57	0.3606
78	30	15	650000	3750	DFT-s-OFDM 16 QAM	18@9	25.7	24.68	0.2938
78	30	15	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.62	24.6	0.2884
78	30	15	650000	3750	DFT-s-OFDM 16 QAM	1@36	25.62	24.6	0.2884
78	30	15	650000	3750	DFT-s-OFDM 64 QAM	18@9	24.2	23.18	0.2080
78	30	15	650000	3750	DFT-s-OFDM 64 QAM	1@1	24.03	23.01	0.2000
78	30	15	650000	3750	DFT-s-OFDM 64 QAM	1@36	24.05	23.03	0.2009
78	30	15	650000	3750	DFT-s-OFDM 256 QAM	18@9	22.19	21.17	0.1309
78	30	15	650000	3750	DFT-s-OFDM 256 QAM	1@1	22.1	21.08	0.1282
78	30	15	650000	3750	DFT-s-OFDM 256 QAM	1@36	22.13	21.11	0.1291
78	30	15	650000	3750	CP-OFDM QPSK	19@9	25.24	24.22	0.2642
78	30	15	650000	3750	CP-OFDM QPSK	1@1	25.21	24.19	0.2624
78	30	15	650000	3750	CP-OFDM QPSK	1@36	25.21	24.19	0.2624
78	30	15	652832	3792.48	DFT-s-OFDM PI/2 BPSK	18@9	26.71	25.69	0.3707
78	30	15	652832	3792.48	DFT-s-OFDM PI/2 BPSK	1@1	26.61	25.59	0.3622
78	30	15	652832	3792.48	DFT-s-OFDM PI/2 BPSK	1@36	26.68	25.66	0.3681
78	30	15	652832	3792.48	DFT-s-OFDM QPSK	18@9	26.75	25.73	0.3741
78	30	15	652832	3792.48	DFT-s-OFDM QPSK	1@1	26.62	25.6	0.3631
78	30	15	652832	3792.48	DFT-s-OFDM QPSK	1@36	26.77	25.75	0.3758

78	30	15	652832	3792.48	DFT-s-OFDM 16 QAM	18@9	25.79	24.77	0.2999
78	30	15	652832	3792.48	DFT-s-OFDM 16 QAM	1@1	25.57	24.55	0.2851
78	30	15	652832	3792.48	DFT-s-OFDM 16 QAM	1@36	25.67	24.65	0.2917
78	30	15	652832	3792.48	DFT-s-OFDM 64 QAM	18@9	24.28	23.26	0.2118
78	30	15	652832	3792.48	DFT-s-OFDM 64 QAM	1@1	24.19	23.17	0.2075
78	30	15	652832	3792.48	DFT-s-OFDM 64 QAM	1@36	24.13	23.11	0.2046
78	30	15	652832	3792.48	DFT-s-OFDM 256 QAM	18@9	22.19	21.17	0.1309
78	30	15	652832	3792.48	DFT-s-OFDM 256 QAM	1@1	22.16	21.14	0.1300
78	30	15	652832	3792.48	DFT-s-OFDM 256 QAM	1@36	22.28	21.26	0.1337
78	30	15	652832	3792.48	CP-OFDM QPSK	19@9	25.31	24.29	0.2685
78	30	15	652832	3792.48	CP-OFDM QPSK	1@1	25.09	24.07	0.2553
78	30	15	652832	3792.48	CP-OFDM QPSK	1@36	25.1	24.08	0.2559
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	25@12	26.62	25.6	0.3631
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@1	26.45	25.43	0.3491
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@49	26.53	25.51	0.3556
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	25@12	26.6	25.58	0.3614
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	26.47	25.45	0.3508
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@49	26.45	25.43	0.3491
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	25@12	25.59	24.57	0.2864
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	25.48	24.46	0.2793
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@49	25.41	24.39	0.2748
78	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	25@12	24.12	23.1	0.2042
78	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	1@1	23.92	22.9	0.1950
78	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	1@49	23.96	22.94	0.1968
78	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	25@12	22.14	21.12	0.1294
78	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	1@1	21.95	20.93	0.1239
78	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	1@49	22.06	21.04	0.1271
78	30	20	647334	3710.01	CP-OFDM QPSK	25@12	25.12	24.1	0.2570
78	30	20	647334	3710.01	CP-OFDM QPSK	1@1	25.11	24.09	0.2564
78	30	20	647334	3710.01	CP-OFDM QPSK	1@49	25.17	24.15	0.2600
78	30	20	650000	3750	DFT-s-OFDM PI/2 BPSK	25@12	26.65	25.63	0.3656
78	30	20	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.52	25.5	0.3548
78	30	20	650000	3750	DFT-s-OFDM PI/2 BPSK	1@49	26.58	25.56	0.3597
78	30	20	650000	3750	DFT-s-OFDM QPSK	25@12	26.71	25.69	0.3707

78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	26.52	25.5	0.3548
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@49	26.59	25.57	0.3606
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	25@12	25.72	24.7	0.2951
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.37	24.35	0.2723
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@49	25.54	24.52	0.2831
78	30	20	650000	3750	DFT-s-OFDM 64 QAM	25@12	24.17	23.15	0.2065
78	30	20	650000	3750	DFT-s-OFDM 64 QAM	1@1	24.09	23.07	0.2028
78	30	20	650000	3750	DFT-s-OFDM 64 QAM	1@49	24.13	23.11	0.2046
78	30	20	650000	3750	DFT-s-OFDM 256 QAM	25@12	22.2	21.18	0.1312
78	30	20	650000	3750	DFT-s-OFDM 256 QAM	1@1	22.04	21.02	0.1265
78	30	20	650000	3750	DFT-s-OFDM 256 QAM	1@49	22.07	21.05	0.1274
78	30	20	650000	3750	CP-OFDM QPSK	25@12	25.19	24.17	0.2612
78	30	20	650000	3750	CP-OFDM QPSK	1@1	25.13	24.11	0.2576
78	30	20	650000	3750	CP-OFDM QPSK	1@49	25.23	24.21	0.2636
78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	25@12	26.75	25.73	0.3741
78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	1@1	26.65	25.63	0.3656
78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	1@49	26.71	25.69	0.3707
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	25@12	26.75	25.73	0.3741
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	26.66	25.64	0.3664
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@49	26.72	25.7	0.3715
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	25@12	25.79	24.77	0.2999
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	25.66	24.64	0.2911
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@49	25.79	24.77	0.2999
78	30	20	652666	3789.99	DFT-s-OFDM 64 QAM	25@12	24.27	23.25	0.2113
78	30	20	652666	3789.99	DFT-s-OFDM 64 QAM	1@1	24.08	23.06	0.2023
78	30	20	652666	3789.99	DFT-s-OFDM 64 QAM	1@49	24.18	23.16	0.2070
78	30	20	652666	3789.99	DFT-s-OFDM 256 QAM	25@12	22.32	21.3	0.1349
78	30	20	652666	3789.99	DFT-s-OFDM 256 QAM	1@1	22.13	21.11	0.1291
78	30	20	652666	3789.99	DFT-s-OFDM 256 QAM	1@49	22.3	21.28	0.1343
78	30	20	652666	3789.99	CP-OFDM QPSK	25@12	25.26	24.24	0.2655
78	30	20	652666	3789.99	CP-OFDM QPSK	1@1	25.17	24.15	0.2600
78	30	20	652666	3789.99	CP-OFDM QPSK	1@49	25.31	24.29	0.2685
78	30	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	32@16	25.67	24.65	0.2917
78	30	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	1@1	24.98	23.96	0.2489

78	30	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	1@63	25.13	24.11	0.2576
78	30	25	647500	3712.5	DFT-s-OFDM QPSK	32@16	25.72	24.7	0.2951
78	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	25.06	24.04	0.2535
78	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@63	25.14	24.12	0.2582
78	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	32@16	24.77	23.75	0.2371
78	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	24.03	23.01	0.2000
78	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@63	24.14	23.12	0.2051
78	30	25	647500	3712.5	DFT-s-OFDM 64 QAM	32@16	23.24	22.22	0.1667
78	30	25	647500	3712.5	DFT-s-OFDM 64 QAM	1@1	22.57	21.55	0.1429
78	30	25	647500	3712.5	DFT-s-OFDM 64 QAM	1@63	22.68	21.66	0.1466
78	30	25	647500	3712.5	DFT-s-OFDM 256 QAM	32@16	21.28	20.26	0.1062
78	30	25	647500	3712.5	DFT-s-OFDM 256 QAM	1@1	20.56	19.54	0.0899
78	30	25	647500	3712.5	DFT-s-OFDM 256 QAM	1@63	20.66	19.64	0.0920
78	30	25	647500	3712.5	CP-OFDM QPSK	33@16	24.28	23.26	0.2118
78	30	25	647500	3712.5	CP-OFDM QPSK	1@1	23.57	22.55	0.1799
78	30	25	647500	3712.5	CP-OFDM QPSK	1@63	23.69	22.67	0.1849
78	30	25	650000	3750	DFT-s-OFDM PI/2 BPSK	32@16	25.92	24.9	0.3090
78	30	25	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.28	24.26	0.2667
78	30	25	650000	3750	DFT-s-OFDM PI/2 BPSK	1@63	25.27	24.25	0.2661
78	30	25	650000	3750	DFT-s-OFDM QPSK	32@16	25.91	24.89	0.3083
78	30	25	650000	3750	DFT-s-OFDM QPSK	1@1	25.27	24.25	0.2661
78	30	25	650000	3750	DFT-s-OFDM QPSK	1@63	25.29	24.27	0.2673
78	30	25	650000	3750	DFT-s-OFDM 16 QAM	32@16	24.96	23.94	0.2477
78	30	25	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.28	23.26	0.2118
78	30	25	650000	3750	DFT-s-OFDM 16 QAM	1@63	24.29	23.27	0.2123
78	30	25	650000	3750	DFT-s-OFDM 64 QAM	32@16	23.39	22.37	0.1726
78	30	25	650000	3750	DFT-s-OFDM 64 QAM	1@1	22.83	21.81	0.1517
78	30	25	650000	3750	DFT-s-OFDM 64 QAM	1@63	22.84	21.82	0.1521
78	30	25	650000	3750	DFT-s-OFDM 256 QAM	32@16	21.46	20.44	0.1107
78	30	25	650000	3750	DFT-s-OFDM 256 QAM	1@1	20.83	19.81	0.0957
78	30	25	650000	3750	DFT-s-OFDM 256 QAM	1@63	20.8	19.78	0.0951
78	30	25	650000	3750	CP-OFDM QPSK	33@16	24.47	23.45	0.2213
78	30	25	650000	3750	CP-OFDM QPSK	1@1	23.76	22.74	0.1879
78	30	25	650000	3750	CP-OFDM QPSK	1@63	23.79	22.77	0.1892

78	30	25	652500	3787.5	DFT-s-OFDM PI/2 BPSK	32@16	25.98	24.96	0.3133
78	30	25	652500	3787.5	DFT-s-OFDM PI/2 BPSK	1@1	25.35	24.33	0.2710
78	30	25	652500	3787.5	DFT-s-OFDM PI/2 BPSK	1@63	25.45	24.43	0.2773
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	32@16	26.02	25	0.3162
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	1@1	25.36	24.34	0.2716
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	1@63	25.43	24.41	0.2761
78	30	25	652500	3787.5	DFT-s-OFDM 16 QAM	32@16	25.05	24.03	0.2529
78	30	25	652500	3787.5	DFT-s-OFDM 16 QAM	1@1	24.42	23.4	0.2188
78	30	25	652500	3787.5	DFT-s-OFDM 16 QAM	1@63	24.5	23.48	0.2228
78	30	25	652500	3787.5	DFT-s-OFDM 64 QAM	32@16	23.48	22.46	0.1762
78	30	25	652500	3787.5	DFT-s-OFDM 64 QAM	1@1	22.96	21.94	0.1563
78	30	25	652500	3787.5	DFT-s-OFDM 64 QAM	1@63	23	21.98	0.1578
78	30	25	652500	3787.5	DFT-s-OFDM 256 QAM	32@16	21.52	20.5	0.1122
78	30	25	652500	3787.5	DFT-s-OFDM 256 QAM	1@1	20.91	19.89	0.0975
78	30	25	652500	3787.5	DFT-s-OFDM 256 QAM	1@63	20.94	19.92	0.0982
78	30	25	652500	3787.5	CP-OFDM QPSK	33@16	24.56	23.54	0.2259
78	30	25	652500	3787.5	CP-OFDM QPSK	1@1	23.95	22.93	0.1963
78	30	25	652500	3787.5	CP-OFDM QPSK	1@63	23.98	22.96	0.1977
78	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	36@18	26.03	25.01	0.3170
78	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@1	25.91	24.89	0.3083
78	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@76	26.1	25.08	0.3221
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	36@18	26.05	25.03	0.3184
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	25.96	24.94	0.3119
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@76	26.09	25.07	0.3214
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	36@18	25.09	24.07	0.2553
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	24.96	23.94	0.2477
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@76	25.08	24.06	0.2547
78	30	30	647668	3715.02	DFT-s-OFDM 64 QAM	36@18	23.56	22.54	0.1795
78	30	30	647668	3715.02	DFT-s-OFDM 64 QAM	1@1	23.29	22.27	0.1687
78	30	30	647668	3715.02	DFT-s-OFDM 64 QAM	1@76	23.44	22.42	0.1746
78	30	30	647668	3715.02	DFT-s-OFDM 256 QAM	36@18	21.58	20.56	0.1138
78	30	30	647668	3715.02	DFT-s-OFDM 256 QAM	1@1	21.46	20.44	0.1107
78	30	30	647668	3715.02	DFT-s-OFDM 256 QAM	1@76	21.64	20.62	0.1153
78	30	30	647668	3715.02	CP-OFDM QPSK	39@19	24.63	23.61	0.2296

78	30	30	647668	3715.02	CP-OFDM QPSK	1@1	24.59	23.57	0.2275
78	30	30	647668	3715.02	CP-OFDM QPSK	1@76	24.69	23.67	0.2328
78	30	30	650000	3750	DFT-s-OFDM PI/2 BPSK	36@18	26.11	25.09	0.3228
78	30	30	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.03	25.01	0.3170
78	30	30	650000	3750	DFT-s-OFDM PI/2 BPSK	1@76	26.08	25.06	0.3206
78	30	30	650000	3750	DFT-s-OFDM QPSK	36@18	26.14	25.12	0.3251
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	26.06	25.04	0.3192
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@76	26.16	25.14	0.3266
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	36@18	25.16	24.14	0.2594
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.05	24.03	0.2529
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@76	25.11	24.09	0.2564
78	30	30	650000	3750	DFT-s-OFDM 64 QAM	36@18	23.6	22.58	0.1811
78	30	30	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.36	22.34	0.1714
78	30	30	650000	3750	DFT-s-OFDM 64 QAM	1@76	23.55	22.53	0.1791
78	30	30	650000	3750	DFT-s-OFDM 256 QAM	36@18	21.66	20.64	0.1159
78	30	30	650000	3750	DFT-s-OFDM 256 QAM	1@1	21.53	20.51	0.1125
78	30	30	650000	3750	DFT-s-OFDM 256 QAM	1@76	21.6	20.58	0.1143
78	30	30	650000	3750	CP-OFDM QPSK	39@19	24.71	23.69	0.2339
78	30	30	650000	3750	CP-OFDM QPSK	1@1	24.55	23.53	0.2254
78	30	30	650000	3750	CP-OFDM QPSK	1@76	24.5	23.48	0.2228
78	30	30	652332	3784.98	DFT-s-OFDM PI/2 BPSK	36@18	26.16	25.14	0.3266
78	30	30	652332	3784.98	DFT-s-OFDM PI/2 BPSK	1@1	26.06	25.04	0.3192
78	30	30	652332	3784.98	DFT-s-OFDM PI/2 BPSK	1@76	26.17	25.15	0.3273
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	36@18	26.17	25.15	0.3273
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	26.13	25.11	0.3243
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@76	26.26	25.24	0.3342
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	36@18	25.16	24.14	0.2594
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	25.12	24.1	0.2570
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@76	25.19	24.17	0.2612
78	30	30	652332	3784.98	DFT-s-OFDM 64 QAM	36@18	23.7	22.68	0.1854
78	30	30	652332	3784.98	DFT-s-OFDM 64 QAM	1@1	23.43	22.41	0.1742
78	30	30	652332	3784.98	DFT-s-OFDM 64 QAM	1@76	23.52	22.5	0.1778
78	30	30	652332	3784.98	DFT-s-OFDM 256 QAM	36@18	21.69	20.67	0.1167
78	30	30	652332	3784.98	DFT-s-OFDM 256 QAM	1@1	21.57	20.55	0.1135

78	30	30	652332	3784.98	DFT-s-OFDM 256 QAM	1@76	21.69	20.67	0.1167
78	30	30	652332	3784.98	CP-OFDM QPSK	39@19	24.74	23.72	0.2355
78	30	30	652332	3784.98	CP-OFDM QPSK	1@1	24.58	23.56	0.2270
78	30	30	652332	3784.98	CP-OFDM QPSK	1@76	24.66	23.64	0.2312
78	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	50@25	26.57	25.55	0.3589
78	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@1	26.42	25.4	0.3467
78	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@104	26.68	25.66	0.3681
78	30	40	648000	3720	DFT-s-OFDM QPSK	50@25	26.6	25.58	0.3614
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	26.36	25.34	0.3420
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@104	26.64	25.62	0.3648
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	50@25	25.63	24.61	0.2891
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	25.31	24.29	0.2685
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@104	25.58	24.56	0.2858
78	30	40	648000	3720	DFT-s-OFDM 64 QAM	50@25	24.12	23.1	0.2042
78	30	40	648000	3720	DFT-s-OFDM 64 QAM	1@1	23.91	22.89	0.1945
78	30	40	648000	3720	DFT-s-OFDM 64 QAM	1@104	24.27	23.25	0.2113
78	30	40	648000	3720	DFT-s-OFDM 256 QAM	50@25	22.07	21.05	0.1274
78	30	40	648000	3720	DFT-s-OFDM 256 QAM	1@1	21.92	20.9	0.1230
78	30	40	648000	3720	DFT-s-OFDM 256 QAM	1@104	22.23	21.21	0.1321
78	30	40	648000	3720	CP-OFDM QPSK	53@26	25.09	24.07	0.2553
78	30	40	648000	3720	CP-OFDM QPSK	1@1	24.9	23.88	0.2443
78	30	40	648000	3720	CP-OFDM QPSK	1@104	25.22	24.2	0.2630
78	30	40	650000	3750	DFT-s-OFDM PI/2 BPSK	50@25	26.62	25.6	0.3631
78	30	40	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.44	25.42	0.3483
78	30	40	650000	3750	DFT-s-OFDM PI/2 BPSK	1@104	26.55	25.53	0.3573
78	30	40	650000	3750	DFT-s-OFDM QPSK	50@25	26.6	25.58	0.3614
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	26.49	25.47	0.3524
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@104	26.51	25.49	0.3540
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	50@25	25.62	24.6	0.2884
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.4	24.38	0.2742
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@104	25.55	24.53	0.2838
78	30	40	650000	3750	DFT-s-OFDM 64 QAM	50@25	24.15	23.13	0.2056
78	30	40	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.94	22.92	0.1959
78	30	40	650000	3750	DFT-s-OFDM 64 QAM	1@104	24.01	22.99	0.1991

78	30	40	650000	3750	DFT-s-OFDM 256 QAM	50@25	22.07	21.05	0.1274
78	30	40	650000	3750	DFT-s-OFDM 256 QAM	1@1	22.03	21.01	0.1262
78	30	40	650000	3750	DFT-s-OFDM 256 QAM	1@104	22.14	21.12	0.1294
78	30	40	650000	3750	CP-OFDM QPSK	53@26	25.1	24.08	0.2559
78	30	40	650000	3750	CP-OFDM QPSK	1@1	24.92	23.9	0.2455
78	30	40	650000	3750	CP-OFDM QPSK	1@104	25.03	24.01	0.2518
78	30	40	652000	3780	DFT-s-OFDM PI/2 BPSK	50@25	26.58	25.56	0.3597
78	30	40	652000	3780	DFT-s-OFDM PI/2 BPSK	1@1	26.55	25.53	0.3573
78	30	40	652000	3780	DFT-s-OFDM PI/2 BPSK	1@104	26.62	25.6	0.3631
78	30	40	652000	3780	DFT-s-OFDM QPSK	50@25	26.6	25.58	0.3614
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	26.51	25.49	0.3540
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@104	26.61	25.59	0.3622
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	50@25	25.6	24.58	0.2871
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	25.5	24.48	0.2805
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@104	25.51	24.49	0.2812
78	30	40	652000	3780	DFT-s-OFDM 64 QAM	50@25	24.13	23.11	0.2046
78	30	40	652000	3780	DFT-s-OFDM 64 QAM	1@1	23.99	22.97	0.1982
78	30	40	652000	3780	DFT-s-OFDM 64 QAM	1@104	24.21	23.19	0.2084
78	30	40	652000	3780	DFT-s-OFDM 256 QAM	50@25	22.05	21.03	0.1268
78	30	40	652000	3780	DFT-s-OFDM 256 QAM	1@1	22.11	21.09	0.1285
78	30	40	652000	3780	DFT-s-OFDM 256 QAM	1@104	22.13	21.11	0.1291
78	30	40	652000	3780	CP-OFDM QPSK	53@26	25.1	24.08	0.2559
78	30	40	652000	3780	CP-OFDM QPSK	1@1	25.17	24.15	0.2600
78	30	40	652000	3780	CP-OFDM QPSK	1@104	25.22	24.2	0.2630
78	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	64@32	26.56	25.54	0.3581
78	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@1	26.38	25.36	0.3436
78	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@131	26.56	25.54	0.3581
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	64@32	26.6	25.58	0.3614
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	26.42	25.4	0.3467
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@131	26.67	25.65	0.3673
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	64@32	25.6	24.58	0.2871
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	25.39	24.37	0.2735
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@131	25.57	24.55	0.2851
78	30	50	648334	3725.01	DFT-s-OFDM 64 QAM	64@32	24.08	23.06	0.2023

78	30	50	648334	3725.01	DFT-s-OFDM 64 QAM	1@1	23.99	22.97	0.1982
78	30	50	648334	3725.01	DFT-s-OFDM 64 QAM	1@131	24.22	23.2	0.2089
78	30	50	648334	3725.01	DFT-s-OFDM 256 QAM	64@32	22.09	21.07	0.1279
78	30	50	648334	3725.01	DFT-s-OFDM 256 QAM	1@1	21.9	20.88	0.1225
78	30	50	648334	3725.01	DFT-s-OFDM 256 QAM	1@131	22.12	21.1	0.1288
78	30	50	648334	3725.01	CP-OFDM QPSK	67@33	25.09	24.07	0.2553
78	30	50	648334	3725.01	CP-OFDM QPSK	1@1	24.94	23.92	0.2466
78	30	50	648334	3725.01	CP-OFDM QPSK	1@131	25.2	24.18	0.2618
78	30	50	650000	3750	DFT-s-OFDM PI/2 BPSK	64@32	26.62	25.6	0.3631
78	30	50	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.41	25.39	0.3459
78	30	50	650000	3750	DFT-s-OFDM PI/2 BPSK	1@131	26.56	25.54	0.3581
78	30	50	650000	3750	DFT-s-OFDM QPSK	64@32	26.65	25.63	0.3656
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	26.41	25.39	0.3459
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@131	26.52	25.5	0.3548
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	64@32	25.64	24.62	0.2897
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.46	24.44	0.2780
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@131	25.59	24.57	0.2864
78	30	50	650000	3750	DFT-s-OFDM 64 QAM	64@32	24.08	23.06	0.2023
78	30	50	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.75	22.73	0.1875
78	30	50	650000	3750	DFT-s-OFDM 64 QAM	1@131	23.98	22.96	0.1977
78	30	50	650000	3750	DFT-s-OFDM 256 QAM	64@32	22.1	21.08	0.1282
78	30	50	650000	3750	DFT-s-OFDM 256 QAM	1@1	21.96	20.94	0.1242
78	30	50	650000	3750	DFT-s-OFDM 256 QAM	1@131	22.1	21.08	0.1282
78	30	50	650000	3750	CP-OFDM QPSK	67@33	25.19	24.17	0.2612
78	30	50	650000	3750	CP-OFDM QPSK	1@1	24.89	23.87	0.2438
78	30	50	650000	3750	CP-OFDM QPSK	1@131	24.97	23.95	0.2483
78	30	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	64@32	26.6	25.58	0.3614
78	30	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	1@1	26.5	25.48	0.3532
78	30	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	1@131	26.55	25.53	0.3573
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	64@32	26.61	25.59	0.3622
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	26.52	25.5	0.3548
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@131	26.62	25.6	0.3631
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	64@32	25.58	24.56	0.2858
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	25.48	24.46	0.2793

78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@131	25.58	24.56	0.2858
78	30	50	651666	3774.99	DFT-s-OFDM 64 QAM	64@32	24.12	23.1	0.2042
78	30	50	651666	3774.99	DFT-s-OFDM 64 QAM	1@1	24.06	23.04	0.2014
78	30	50	651666	3774.99	DFT-s-OFDM 64 QAM	1@131	24.07	23.05	0.2018
78	30	50	651666	3774.99	DFT-s-OFDM 256 QAM	64@32	22.13	21.11	0.1291
78	30	50	651666	3774.99	DFT-s-OFDM 256 QAM	1@1	22.02	21	0.1259
78	30	50	651666	3774.99	DFT-s-OFDM 256 QAM	1@131	22.11	21.09	0.1285
78	30	50	651666	3774.99	CP-OFDM QPSK	67@33	25.17	24.15	0.2600
78	30	50	651666	3774.99	CP-OFDM QPSK	1@1	25.05	24.03	0.2529
78	30	50	651666	3774.99	CP-OFDM QPSK	1@131	25.19	24.17	0.2612
78	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	81@40	26.54	25.52	0.3565
78	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@1	26.21	25.19	0.3304
78	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@160	26.5	25.48	0.3532
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	81@40	26.54	25.52	0.3565
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	26.24	25.22	0.3327
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@160	26.5	25.48	0.3532
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	81@40	25.53	24.51	0.2825
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	25.27	24.25	0.2661
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@160	25.5	24.48	0.2805
78	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	81@40	24.02	23	0.1995
78	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	1@1	23.73	22.71	0.1866
78	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	1@160	23.94	22.92	0.1959
78	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	81@40	21.98	20.96	0.1247
78	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	1@1	21.71	20.69	0.1172
78	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	1@160	22	20.98	0.1253
78	30	60	648668	3730.02	CP-OFDM QPSK	81@40	25.03	24.01	0.2518
78	30	60	648668	3730.02	CP-OFDM QPSK	1@1	24.63	23.61	0.2296
78	30	60	648668	3730.02	CP-OFDM QPSK	1@160	24.97	23.95	0.2483
78	30	60	650000	3750	DFT-s-OFDM PI/2 BPSK	81@40	26.57	25.55	0.3589
78	30	60	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.27	25.25	0.3350
78	30	60	650000	3750	DFT-s-OFDM PI/2 BPSK	1@160	26.49	25.47	0.3524
78	30	60	650000	3750	DFT-s-OFDM QPSK	81@40	26.61	25.59	0.3622
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	26.3	25.28	0.3373
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@160	26.55	25.53	0.3573

78	30	60	650000	3750	DFT-s-OFDM 16 QAM	81@40	25.6	24.58	0.2871
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.27	24.25	0.2661
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@160	25.46	24.44	0.2780
78	30	60	650000	3750	DFT-s-OFDM 64 QAM	81@40	24.11	23.09	0.2037
78	30	60	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.79	22.77	0.1892
78	30	60	650000	3750	DFT-s-OFDM 64 QAM	1@160	23.97	22.95	0.1972
78	30	60	650000	3750	DFT-s-OFDM 256 QAM	81@40	22.05	21.03	0.1268
78	30	60	650000	3750	DFT-s-OFDM 256 QAM	1@1	21.88	20.86	0.1219
78	30	60	650000	3750	DFT-s-OFDM 256 QAM	1@160	22.01	20.99	0.1256
78	30	60	650000	3750	CP-OFDM QPSK	81@40	25.09	24.07	0.2553
78	30	60	650000	3750	CP-OFDM QPSK	1@1	24.77	23.75	0.2371
78	30	60	650000	3750	CP-OFDM QPSK	1@160	24.97	23.95	0.2483
78	30	60	651332	3769.98	DFT-s-OFDM PI/2 BPSK	81@40	26.65	25.63	0.3656
78	30	60	651332	3769.98	DFT-s-OFDM PI/2 BPSK	1@1	26.49	25.47	0.3524
78	30	60	651332	3769.98	DFT-s-OFDM PI/2 BPSK	1@160	26.53	25.51	0.3556
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	81@40	26.65	25.63	0.3656
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	26.48	25.46	0.3516
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@160	26.57	25.55	0.3589
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	81@40	25.61	24.59	0.2877
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	25.5	24.48	0.2805
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@160	25.59	24.57	0.2864
78	30	60	651332	3769.98	DFT-s-OFDM 64 QAM	81@40	24.15	23.13	0.2056
78	30	60	651332	3769.98	DFT-s-OFDM 64 QAM	1@1	23.92	22.9	0.1950
78	30	60	651332	3769.98	DFT-s-OFDM 64 QAM	1@160	24.03	23.01	0.2000
78	30	60	651332	3769.98	DFT-s-OFDM 256 QAM	81@40	22.11	21.09	0.1285
78	30	60	651332	3769.98	DFT-s-OFDM 256 QAM	1@1	22.03	21.01	0.1262
78	30	60	651332	3769.98	DFT-s-OFDM 256 QAM	1@160	22.13	21.11	0.1291
78	30	60	651332	3769.98	CP-OFDM QPSK	81@40	25.13	24.11	0.2576
78	30	60	651332	3769.98	CP-OFDM QPSK	1@1	25.06	24.04	0.2535
78	30	60	651332	3769.98	CP-OFDM QPSK	1@160	25.13	24.11	0.2576
78	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	90@45	26.6	25.58	0.3614
78	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	1@1	26.34	25.32	0.3404
78	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	1@187	26.54	25.52	0.3565
78	30	70	649000	3735	DFT-s-OFDM QPSK	90@45	26.61	25.59	0.3622

78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	26.34	25.32	0.3404
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@187	26.48	25.46	0.3516
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	90@45	25.58	24.56	0.2858
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	25.31	24.29	0.2685
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@187	25.54	24.52	0.2831
78	30	70	649000	3735	DFT-s-OFDM 64 QAM	90@45	24.08	23.06	0.2023
78	30	70	649000	3735	DFT-s-OFDM 64 QAM	1@1	23.91	22.89	0.1945
78	30	70	649000	3735	DFT-s-OFDM 64 QAM	1@187	24.11	23.09	0.2037
78	30	70	649000	3735	DFT-s-OFDM 256 QAM	90@45	22.1	21.08	0.1282
78	30	70	649000	3735	DFT-s-OFDM 256 QAM	1@1	21.85	20.83	0.1211
78	30	70	649000	3735	DFT-s-OFDM 256 QAM	1@187	22.09	21.07	0.1279
78	30	70	649000	3735	CP-OFDM QPSK	95@47	25.06	24.04	0.2535
78	30	70	649000	3735	CP-OFDM QPSK	1@1	24.81	23.79	0.2393
78	30	70	649000	3735	CP-OFDM QPSK	1@187	24.98	23.96	0.2489
78	30	70	650000	3750	DFT-s-OFDM PI/2 BPSK	90@45	26.6	25.58	0.3614
78	30	70	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.29	25.27	0.3365
78	30	70	650000	3750	DFT-s-OFDM PI/2 BPSK	1@187	26.57	25.55	0.3589
78	30	70	650000	3750	DFT-s-OFDM QPSK	90@45	26.63	25.61	0.3639
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@1	26.31	25.29	0.3381
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@187	26.58	25.56	0.3597
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	90@45	25.64	24.62	0.2897
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.32	24.3	0.2692
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@187	25.46	24.44	0.2780
78	30	70	650000	3750	DFT-s-OFDM 64 QAM	90@45	24.16	23.14	0.2061
78	30	70	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.9	22.88	0.1941
78	30	70	650000	3750	DFT-s-OFDM 64 QAM	1@187	24.17	23.15	0.2065
78	30	70	650000	3750	DFT-s-OFDM 256 QAM	90@45	22.11	21.09	0.1285
78	30	70	650000	3750	DFT-s-OFDM 256 QAM	1@1	21.81	20.79	0.1199
78	30	70	650000	3750	DFT-s-OFDM 256 QAM	1@187	22.07	21.05	0.1274
78	30	70	650000	3750	CP-OFDM QPSK	95@47	25.1	24.08	0.2559
78	30	70	650000	3750	CP-OFDM QPSK	1@1	24.89	23.87	0.2438
78	30	70	650000	3750	CP-OFDM QPSK	1@187	25.15	24.13	0.2588
78	30	70	651000	3765	DFT-s-OFDM PI/2 BPSK	90@45	26.68	25.66	0.3681
78	30	70	651000	3765	DFT-s-OFDM PI/2 BPSK	1@1	26.48	25.46	0.3516

78	30	70	651000	3765	DFT-s-OFDM PI/2 BPSK	1@187	26.66	25.64	0.3664
78	30	70	651000	3765	DFT-s-OFDM QPSK	90@45	26.69	25.67	0.3690
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@1	26.44	25.42	0.3483
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@187	26.66	25.64	0.3664
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	90@45	25.65	24.63	0.2904
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@1	25.38	24.36	0.2729
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@187	25.67	24.65	0.2917
78	30	70	651000	3765	DFT-s-OFDM 64 QAM	90@45	24.2	23.18	0.2080
78	30	70	651000	3765	DFT-s-OFDM 64 QAM	1@1	23.91	22.89	0.1945
78	30	70	651000	3765	DFT-s-OFDM 64 QAM	1@187	24.12	23.1	0.2042
78	30	70	651000	3765	DFT-s-OFDM 256 QAM	90@45	22.17	21.15	0.1303
78	30	70	651000	3765	DFT-s-OFDM 256 QAM	1@1	21.99	20.97	0.1250
78	30	70	651000	3765	DFT-s-OFDM 256 QAM	1@187	22.21	21.19	0.1315
78	30	70	651000	3765	CP-OFDM QPSK	95@47	25.18	24.16	0.2606
78	30	70	651000	3765	CP-OFDM QPSK	1@1	25.04	24.02	0.2523
78	30	70	651000	3765	CP-OFDM QPSK	1@187	25.27	24.25	0.2661
78	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	108@54	26.6	25.58	0.3614
78	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@1	26.3	25.28	0.3373
78	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@215	26.57	25.55	0.3589
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	108@54	26.64	25.62	0.3648
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	26.3	25.28	0.3373
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@215	26.53	25.51	0.3556
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	108@54	25.63	24.61	0.2891
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	25.27	24.25	0.2661
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@215	25.51	24.49	0.2812
78	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	108@54	24.15	23.13	0.2056
78	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	1@1	23.82	22.8	0.1905
78	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	1@215	24	22.98	0.1986
78	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	108@54	22.13	21.11	0.1291
78	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	1@1	21.81	20.79	0.1199
78	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	1@215	22.09	21.07	0.1279
78	30	80	649334	3740.01	CP-OFDM QPSK	109@54	25.1	24.08	0.2559
78	30	80	649334	3740.01	CP-OFDM QPSK	1@1	24.89	23.87	0.2438
78	30	80	649334	3740.01	CP-OFDM QPSK	1@215	25.13	24.11	0.2576

78	30	80	650000	3750	DFT-s-OFDM PI/2 BPSK	108@54	26.58	25.56	0.3597
78	30	80	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.33	25.31	0.3396
78	30	80	650000	3750	DFT-s-OFDM PI/2 BPSK	1@215	26.52	25.5	0.3548
78	30	80	650000	3750	DFT-s-OFDM QPSK	108@54	26.65	25.63	0.3656
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@1	26.37	25.35	0.3428
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@215	26.56	25.54	0.3581
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	108@54	25.62	24.6	0.2884
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.4	24.38	0.2742
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@215	25.63	24.61	0.2891
78	30	80	650000	3750	DFT-s-OFDM 64 QAM	108@54	24.14	23.12	0.2051
78	30	80	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.91	22.89	0.1945
78	30	80	650000	3750	DFT-s-OFDM 64 QAM	1@215	24.16	23.14	0.2061
78	30	80	650000	3750	DFT-s-OFDM 256 QAM	108@54	22.08	21.06	0.1276
78	30	80	650000	3750	DFT-s-OFDM 256 QAM	1@1	21.93	20.91	0.1233
78	30	80	650000	3750	DFT-s-OFDM 256 QAM	1@215	22.2	21.18	0.1312
78	30	80	650000	3750	CP-OFDM QPSK	109@54	25.13	24.11	0.2576
78	30	80	650000	3750	CP-OFDM QPSK	1@1	24.8	23.78	0.2388
78	30	80	650000	3750	CP-OFDM QPSK	1@215	25.03	24.01	0.2518
78	30	80	650666	3759.99	DFT-s-OFDM PI/2 BPSK	108@54	26.67	25.65	0.3673
78	30	80	650666	3759.99	DFT-s-OFDM PI/2 BPSK	1@1	26.3	25.28	0.3373
78	30	80	650666	3759.99	DFT-s-OFDM PI/2 BPSK	1@215	26.65	25.63	0.3656
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	108@54	26.64	25.62	0.3648
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	26.35	25.33	0.3412
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@215	26.7	25.68	0.3698
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	108@54	25.68	24.66	0.2924
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	25.37	24.35	0.2723
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@215	25.71	24.69	0.2944
78	30	80	650666	3759.99	DFT-s-OFDM 64 QAM	108@54	24.19	23.17	0.2075
78	30	80	650666	3759.99	DFT-s-OFDM 64 QAM	1@1	23.87	22.85	0.1928
78	30	80	650666	3759.99	DFT-s-OFDM 64 QAM	1@215	24.11	23.09	0.2037
78	30	80	650666	3759.99	DFT-s-OFDM 256 QAM	108@54	22.15	21.13	0.1297
78	30	80	650666	3759.99	DFT-s-OFDM 256 QAM	1@1	21.87	20.85	0.1216
78	30	80	650666	3759.99	DFT-s-OFDM 256 QAM	1@215	22.19	21.17	0.1309
78	30	80	650666	3759.99	CP-OFDM QPSK	109@54	25.15	24.13	0.2588

78	30	80	650666	3759.99	CP-OFDM QPSK	1@1	24.83	23.81	0.2404
78	30	80	650666	3759.99	CP-OFDM QPSK	1@215	25.1	24.08	0.2559
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	120@60	26.65	25.63	0.3656
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@1	26.28	25.26	0.3357
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@243	26.52	25.5	0.3548
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	120@60	26.66	25.64	0.3664
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	26.36	25.34	0.3420
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@243	26.55	25.53	0.3573
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	120@60	25.68	24.66	0.2924
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	25.26	24.24	0.2655
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@243	25.49	24.47	0.2799
78	30	90	649668	3745.02	DFT-s-OFDM 64 QAM	120@60	24.08	23.06	0.2023
78	30	90	649668	3745.02	DFT-s-OFDM 64 QAM	1@1	23.88	22.86	0.1932
78	30	90	649668	3745.02	DFT-s-OFDM 64 QAM	1@243	24.22	23.2	0.2089
78	30	90	649668	3745.02	DFT-s-OFDM 256 QAM	120@60	22.14	21.12	0.1294
78	30	90	649668	3745.02	DFT-s-OFDM 256 QAM	1@1	21.82	20.8	0.1202
78	30	90	649668	3745.02	DFT-s-OFDM 256 QAM	1@243	22.16	21.14	0.1300
78	30	90	649668	3745.02	CP-OFDM QPSK	123@61	25.12	24.1	0.2570
78	30	90	649668	3745.02	CP-OFDM QPSK	1@1	24.78	23.76	0.2377
78	30	90	649668	3745.02	CP-OFDM QPSK	1@243	24.95	23.93	0.2472
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	120@60	26.56	25.54	0.3581
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.32	25.3	0.3388
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	1@243	26.52	25.5	0.3548
78	30	90	650000	3750	DFT-s-OFDM QPSK	120@60	26.6	25.58	0.3614
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	26.31	25.29	0.3381
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@243	26.51	25.49	0.3540
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	120@60	25.65	24.63	0.2904
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.34	24.32	0.2704
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@243	25.6	24.58	0.2871
78	30	90	650000	3750	DFT-s-OFDM 64 QAM	120@60	24.1	23.08	0.2032
78	30	90	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.76	22.74	0.1879
78	30	90	650000	3750	DFT-s-OFDM 64 QAM	1@243	24.05	23.03	0.2009
78	30	90	650000	3750	DFT-s-OFDM 256 QAM	120@60	22.12	21.1	0.1288
78	30	90	650000	3750	DFT-s-OFDM 256 QAM	1@1	21.85	20.83	0.1211

78	30	90	650000	3750	DFT-s-OFDM 256 QAM	1@243	22.05	21.03	0.1268
78	30	90	650000	3750	CP-OFDM QPSK	123@61	25.11	24.09	0.2564
78	30	90	650000	3750	CP-OFDM QPSK	1@1	24.98	23.96	0.2489
78	30	90	650000	3750	CP-OFDM QPSK	1@243	25.23	24.21	0.2636
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	120@60	26.64	25.62	0.3648
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	1@1	26.33	25.31	0.3396
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	1@243	26.55	25.53	0.3573
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	120@60	26.65	25.63	0.3656
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	26.4	25.38	0.3451
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@243	26.57	25.55	0.3589
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	120@60	25.69	24.67	0.2931
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	25.37	24.35	0.2723
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@243	25.58	24.56	0.2858
78	30	90	650332	3754.98	DFT-s-OFDM 64 QAM	120@60	24.12	23.1	0.2042
78	30	90	650332	3754.98	DFT-s-OFDM 64 QAM	1@1	23.77	22.75	0.1884
78	30	90	650332	3754.98	DFT-s-OFDM 64 QAM	1@243	23.91	22.89	0.1945
78	30	90	650332	3754.98	DFT-s-OFDM 256 QAM	120@60	22.15	21.13	0.1297
78	30	90	650332	3754.98	DFT-s-OFDM 256 QAM	1@1	21.85	20.83	0.1211
78	30	90	650332	3754.98	DFT-s-OFDM 256 QAM	1@243	22.15	21.13	0.1297
78	30	90	650332	3754.98	CP-OFDM QPSK	123@61	25.12	24.1	0.2570
78	30	90	650332	3754.98	CP-OFDM QPSK	1@1	25	23.98	0.2500
78	30	90	650332	3754.98	CP-OFDM QPSK	1@243	25.14	24.12	0.2582
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	26.61	25.59	0.3622
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.27	25.25	0.3350
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	26.63	25.61	0.3639
78	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	26.62	25.6	0.3631
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	26.33	25.31	0.3396
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	26.61	25.59	0.3622
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	25.63	24.61	0.2891
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.26	24.24	0.2655
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	25.58	24.56	0.2858
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	24.1	23.08	0.2032
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.7	22.68	0.1854
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	23.99	22.97	0.1982

78	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	22.09	21.07	0.1279
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	21.81	20.79	0.1199
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	22.16	21.14	0.1300
78	30	100	650000	3750	CP-OFDM QPSK	137@68	25.12	24.1	0.2570
78	30	100	650000	3750	CP-OFDM QPSK	1@1	24.91	23.89	0.2449
78	30	100	650000	3750	CP-OFDM QPSK	1@271	25.08	24.06	0.2547

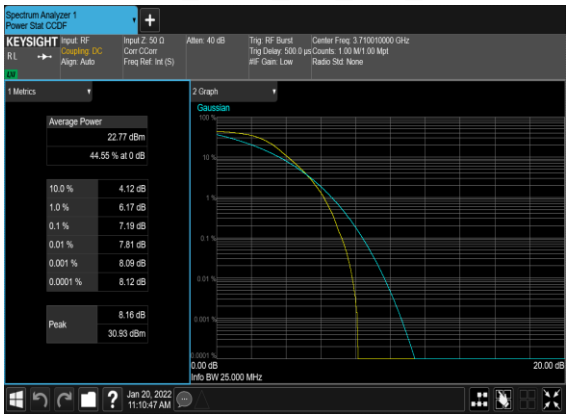
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0122	**PASS**	NV
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0422	**PASS**	LV
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0313	**PASS**	HV
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0211	**PASS**	-30℃
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0215	**PASS**	-20℃
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0232	**PASS**	-10℃
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0223	**PASS**	0℃
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0321	**PASS**	10℃
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0213	**PASS**	20℃
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0235	**PASS**	30℃
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0421	**PASS**	40℃
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0227	**PASS**	50℃

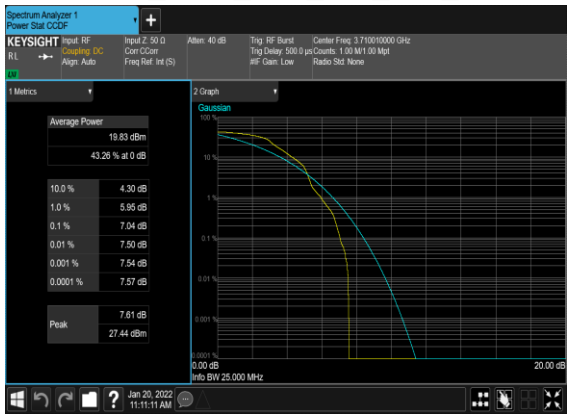
Peak to Average Radio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	50@0	7.19	13	**PASS**
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@0	7.04	13	**PASS**
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	50@0	8.27	13	**PASS**
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	8.19	13	**PASS**
78	30	20	650000	3750.0	DFT-s-OFDM PI/2 BPSK	50@0	7.16	13	**PASS**
78	30	20	650000	3750.0	DFT-s-OFDM PI/2 BPSK	1@0	7.61	13	**PASS**
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	8.25	13	**PASS**
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	1@0	7.78	13	**PASS**
78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	50@0	6.97	13	**PASS**
78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	1@0	8.15	13	**PASS**
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	50@0	8.14	13	**PASS**
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@0	8.55	13	**PASS**

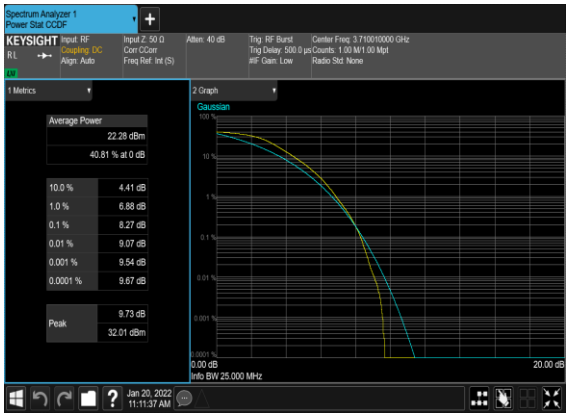
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



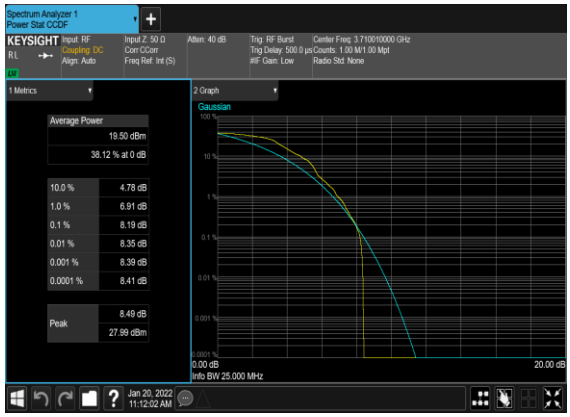
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

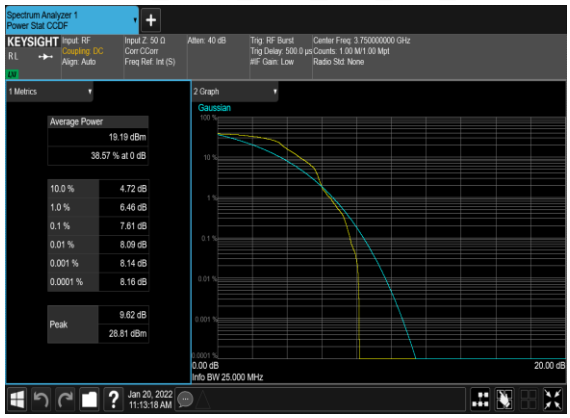


N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



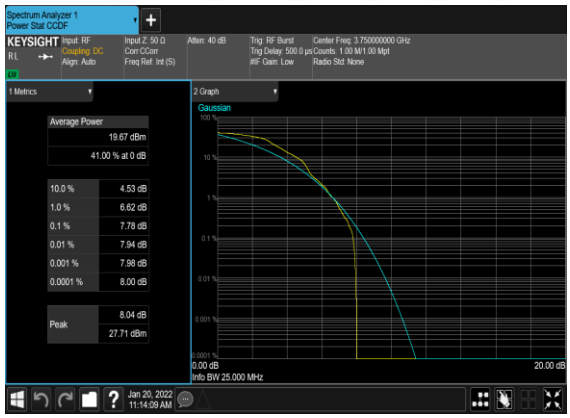
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

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



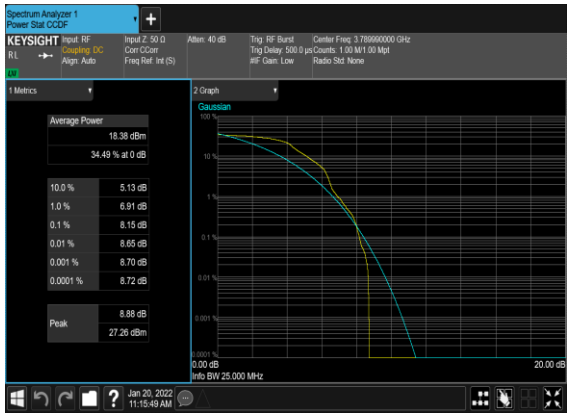
N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



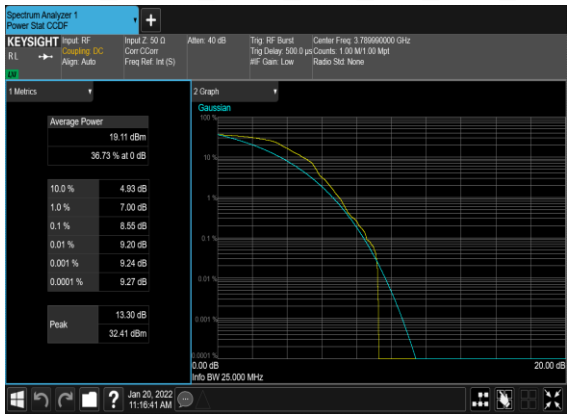
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH

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	30	10	650000	3750.0	DFT-s-OFDM PI/2 BPSK	24@0	8.5944	9.199
78	30	10	650000	3750.0	DFT-s-OFDM QPSK	24@0	8.5841	9.153
78	30	10	650000	3750.0	CP-OFDM QPSK	24@0	8.5661	9.348
78	30	10	650000	3750.0	CP-OFDM 16 QAM	24@0	8.5698	9.11
78	30	10	650000	3750.0	CP-OFDM 64 QAM	24@0	8.5777	9.219
78	30	10	650000	3750.0	CP-OFDM 256 QAM	24@0	8.5998	9.238
78	30	15	650000	3750.0	DFT-s-OFDM PI/2 BPSK	36@0	12.853	14.25
78	30	15	650000	3750.0	DFT-s-OFDM QPSK	36@0	12.823	13.59
78	30	15	650000	3750.0	CP-OFDM QPSK	38@0	13.556	14.98
78	30	15	650000	3750.0	CP-OFDM 16 QAM	38@0	13.589	14.26
78	30	15	650000	3750.0	CP-OFDM 64 QAM	38@0	13.601	14.34
78	30	15	650000	3750.0	CP-OFDM 256 QAM	38@0	13.547	14.29
78	30	20	650000	3750.0	DFT-s-OFDM PI/2 BPSK	50@0	17.873	19.72
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	17.825	18.78
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	18.221	19.09
78	30	20	650000	3750.0	CP-OFDM 16 QAM	51@0	18.198	19.94
78	30	20	650000	3750.0	CP-OFDM 64 QAM	51@0	18.274	19.11
78	30	20	650000	3750.0	CP-OFDM 256 QAM	51@0	18.196	19.72
78	30	25	650000	3750.0	DFT-s-OFDM PI/2 BPSK	64@0	22.71	23.79
78	30	25	650000	3750.0	DFT-s-OFDM QPSK	64@0	22.827	23.75
78	30	25	650000	3750.0	CP-OFDM QPSK	65@0	23.175	24.22
78	30	25	650000	3750.0	CP-OFDM 16 QAM	65@0	23.214	24.66
78	30	25	650000	3750.0	CP-OFDM 64 QAM	65@0	23.166	24.15
78	30	25	650000	3750.0	CP-OFDM 256 QAM	65@0	23.144	24.3

78	30	30	650000	3750.0	DFT-s-OFDM PI/2 BPSK	75@0	26.742	28.04
78	30	30	650000	3750.0	DFT-s-OFDM QPSK	75@0	26.697	27.9
78	30	30	650000	3750.0	CP-OFDM QPSK	78@0	27.786	29.14
78	30	30	650000	3750.0	CP-OFDM 16 QAM	78@0	27.77	29.14
78	30	30	650000	3750.0	CP-OFDM 64 QAM	78@0	27.78	29.34
78	30	30	650000	3750.0	CP-OFDM 256 QAM	78@0	27.838	30.47
78	30	40	650000	3750.0	DFT-s-OFDM PI/2 BPSK	100@0	35.732	37.3
78	30	40	650000	3750.0	DFT-s-OFDM QPSK	100@0	35.756	37.68
78	30	40	650000	3750.0	CP-OFDM QPSK	106@0	37.91	39.65
78	30	40	650000	3750.0	CP-OFDM 16 QAM	106@0	37.793	39.44
78	30	40	650000	3750.0	CP-OFDM 64 QAM	106@0	37.774	39.95
78	30	40	650000	3750.0	CP-OFDM 256 QAM	106@0	37.843	39.43
78	30	50	650000	3750.0	DFT-s-OFDM PI/2 BPSK	128@0	45.733	47.36
78	30	50	650000	3750.0	DFT-s-OFDM QPSK	128@0	45.718	47.37
78	30	50	650000	3750.0	CP-OFDM QPSK	133@0	47.432	49.73
78	30	50	650000	3750.0	CP-OFDM 16 QAM	133@0	47.44	49.09
78	30	50	650000	3750.0	CP-OFDM 64 QAM	133@0	47.383	49.26
78	30	50	650000	3750.0	CP-OFDM 256 QAM	133@0	47.497	49.52
78	30	60	650000	3750.0	DFT-s-OFDM PI/2 BPSK	162@0	57.878	59.82
78	30	60	650000	3750.0	DFT-s-OFDM QPSK	162@0	57.835	59.79
78	30	60	650000	3750.0	CP-OFDM QPSK	162@0	57.802	59.77
78	30	60	650000	3750.0	CP-OFDM 16 QAM	162@0	57.788	59.7
78	30	60	650000	3750.0	CP-OFDM 64 QAM	162@0	57.754	59.69
78	30	60	650000	3750.0	CP-OFDM 256 QAM	162@0	57.942	59.68
78	30	70	650000	3750.0	DFT-s-OFDM PI/2 BPSK	180@0	64.332	66.34
78	30	70	650000	3750.0	DFT-s-OFDM	180@0	64.343	66.42

					QPSK			
78	30	70	650000	3750.0	CP-OFDM QPSK	189@0	67.461	69.57
78	30	70	650000	3750.0	CP-OFDM 16 QAM	189@0	67.361	69.73
78	30	70	650000	3750.0	CP-OFDM 64 QAM	189@0	67.302	69.73
78	30	70	650000	3750.0	CP-OFDM 256 QAM	189@0	67.434	69.67
78	30	80	650000	3750.0	DFT-s-OFDM PI/2 BPSK	216@0	77.266	79.77
78	30	80	650000	3750.0	DFT-s-OFDM QPSK	216@0	77.075	79.62
78	30	80	650000	3750.0	CP-OFDM QPSK	217@0	77.58	79.92
78	30	80	650000	3750.0	CP-OFDM 16 QAM	217@0	77.578	80.06
78	30	80	650000	3750.0	CP-OFDM 64 QAM	217@0	77.47	79.96
78	30	80	650000	3750.0	CP-OFDM 256 QAM	217@0	77.548	120.0
78	30	90	650000	3750.0	DFT-s-OFDM PI/2 BPSK	240@0	85.618	88.47
78	30	90	650000	3750.0	DFT-s-OFDM QPSK	240@0	85.746	88.51
78	30	90	650000	3750.0	CP-OFDM QPSK	245@0	87.558	90.27
78	30	90	650000	3750.0	CP-OFDM 16 QAM	245@0	87.523	90.24
78	30	90	650000	3750.0	CP-OFDM 64 QAM	245@0	87.499	90.25
78	30	90	650000	3750.0	CP-OFDM 256 QAM	245@0	87.65	90.35
78	30	100	650000	3750.0	DFT-s-OFDM PI/2 BPSK	270@0	96.44	99.52
78	30	100	650000	3750.0	DFT-s-OFDM QPSK	270@0	96.432	99.47
78	30	100	650000	3750.0	CP-OFDM QPSK	273@0	97.478	100.6
78	30	100	650000	3750.0	CP-OFDM 16 QAM	273@0	97.555	100.5
78	30	100	650000	3750.0	CP-OFDM 64 QAM	273@0	97.469	100.5
78	30	100	650000	3750.0	CP-OFDM 256 QAM	273@0	97.641	100.6