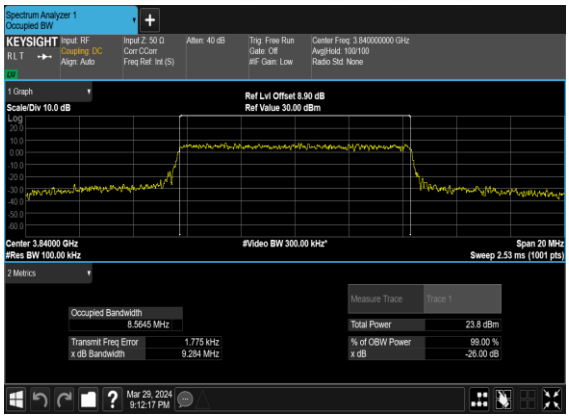
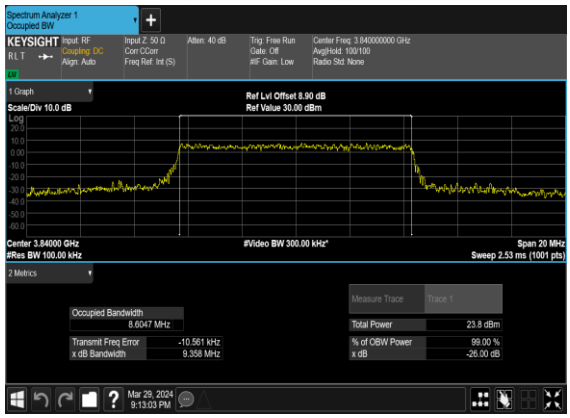
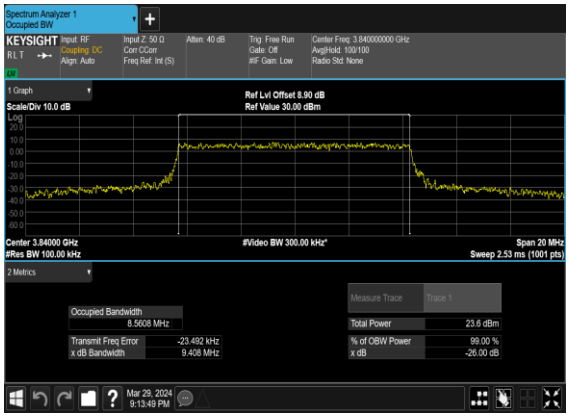
N77(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



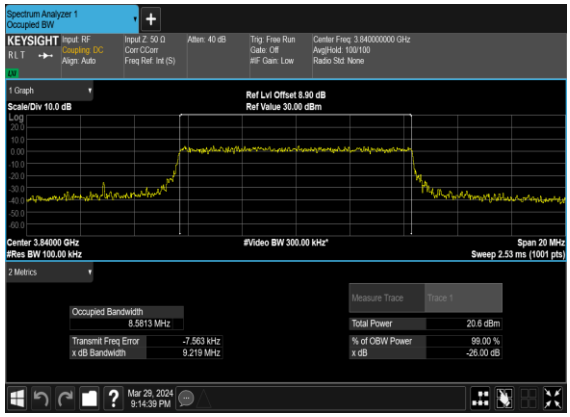
N77(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



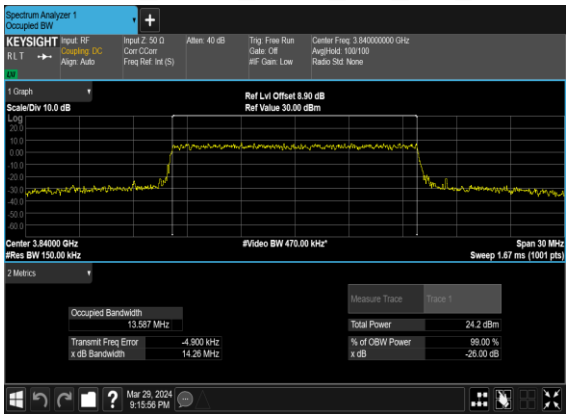
N77(10M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



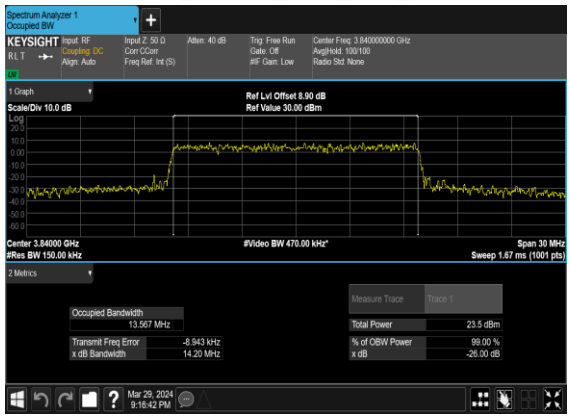
N77(10M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



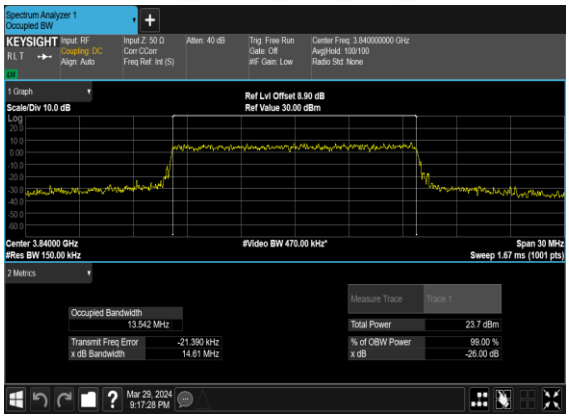
N77(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



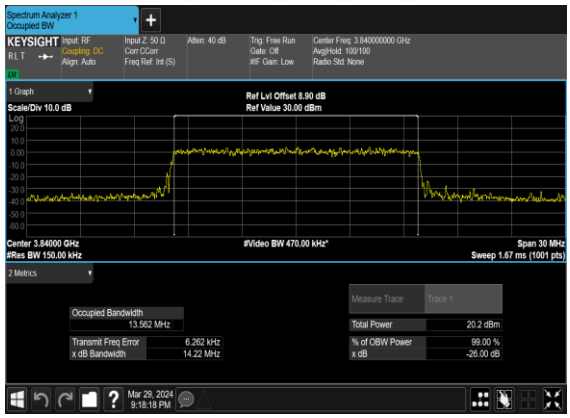
N77(15M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



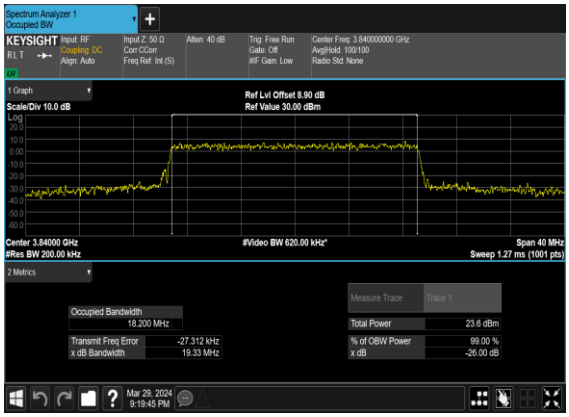
N77(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



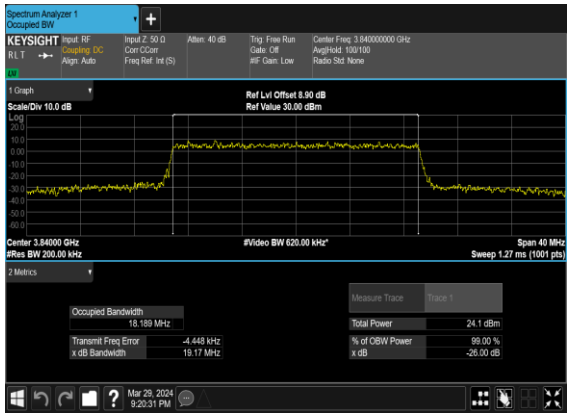
N77(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



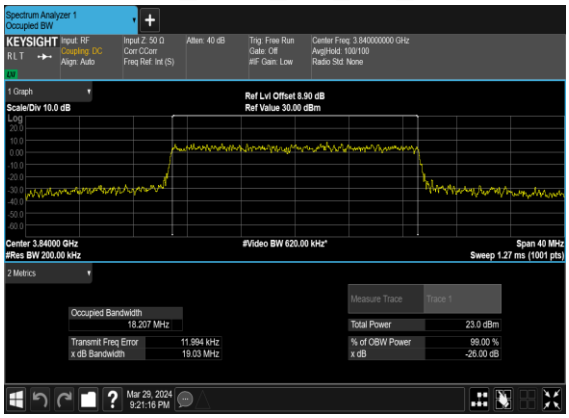
N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



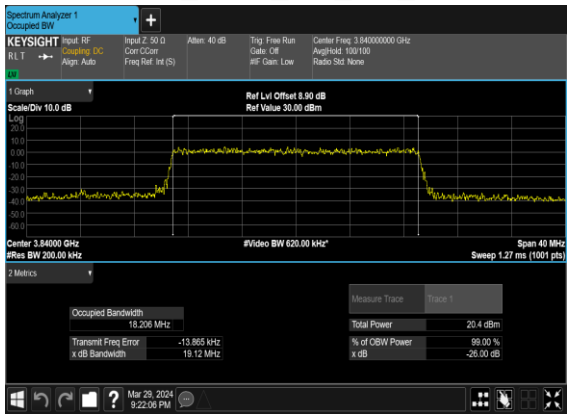
N77(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



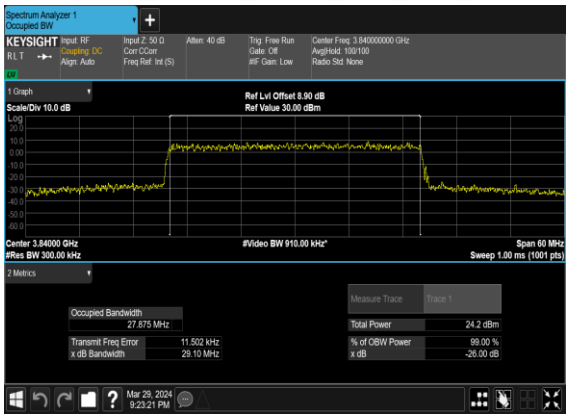
N77(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

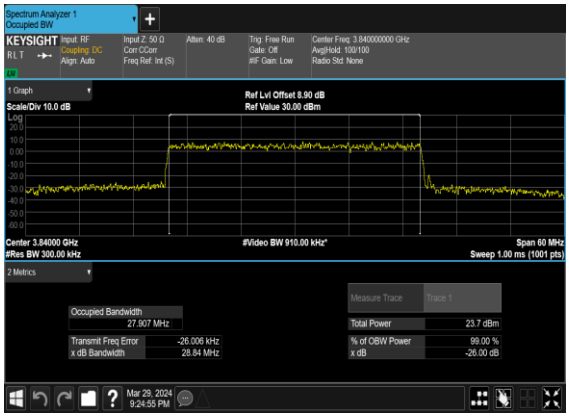


N77(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

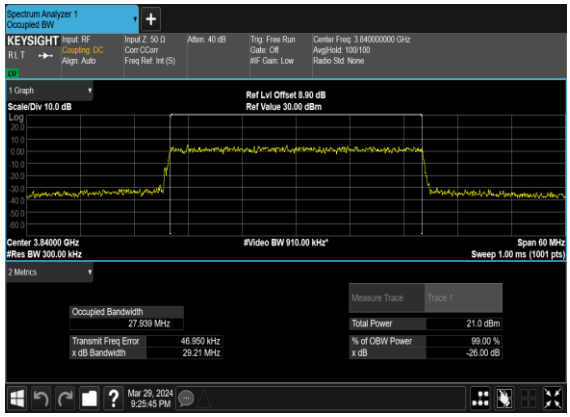


N77(30M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

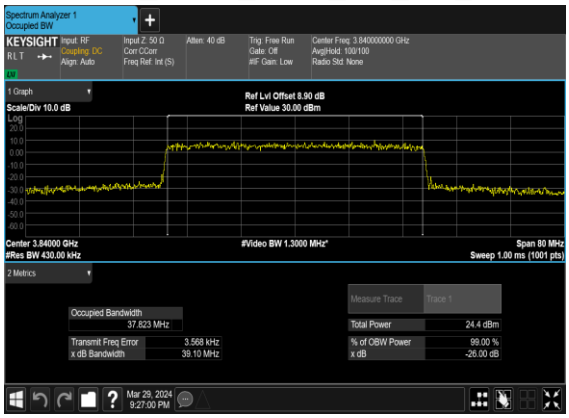
N77(30M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



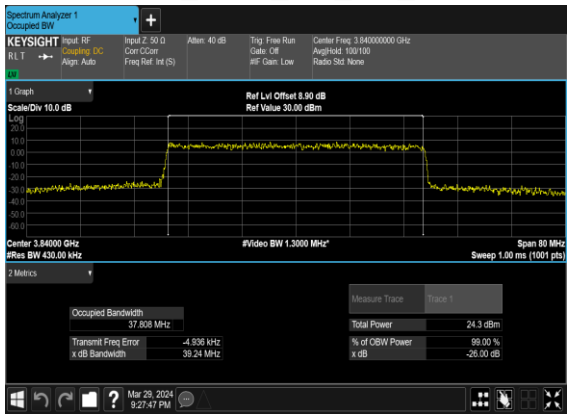
N77(30M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



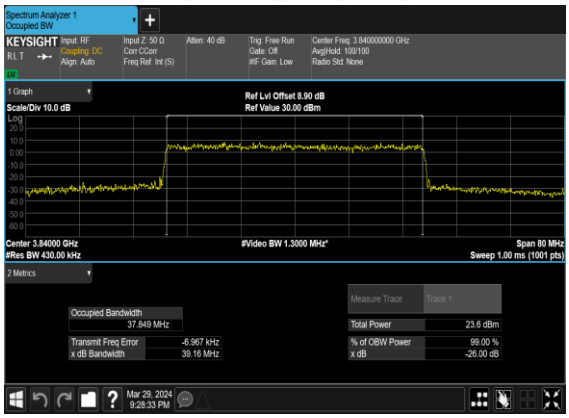
N77(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



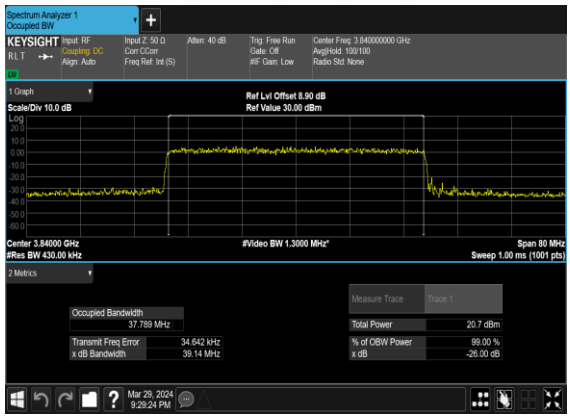
N77(40M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



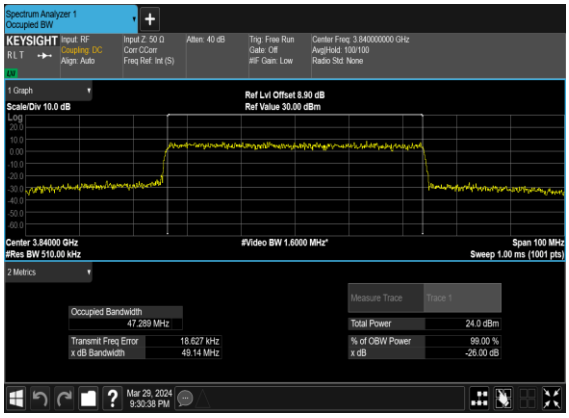
N77(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



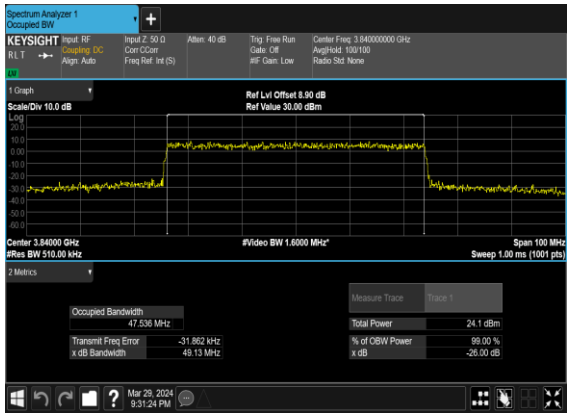
N77(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



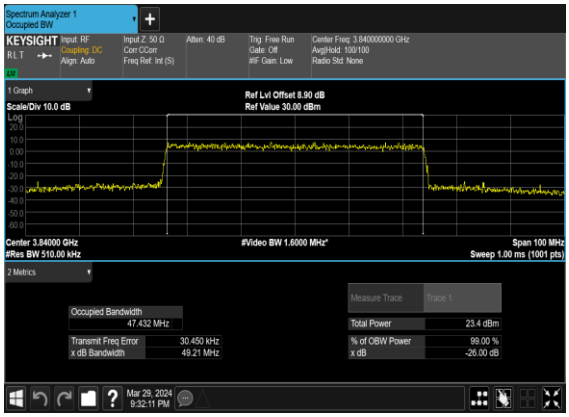
N77(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



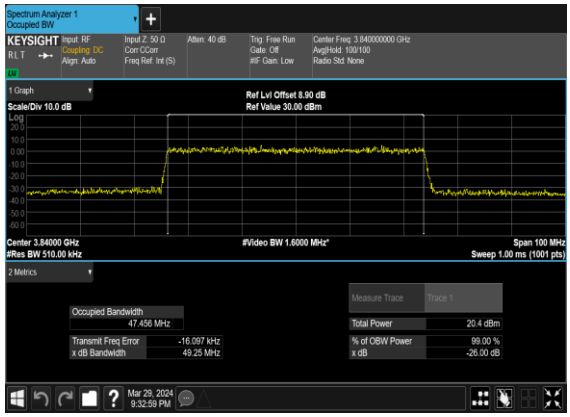
N77(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



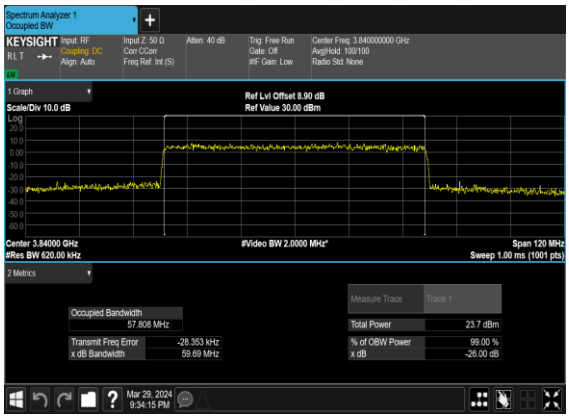
N77(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



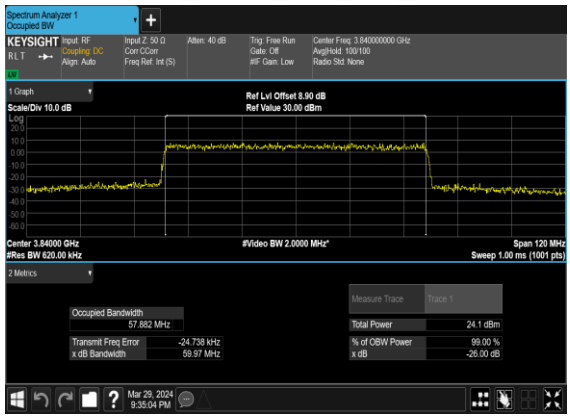
N77(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



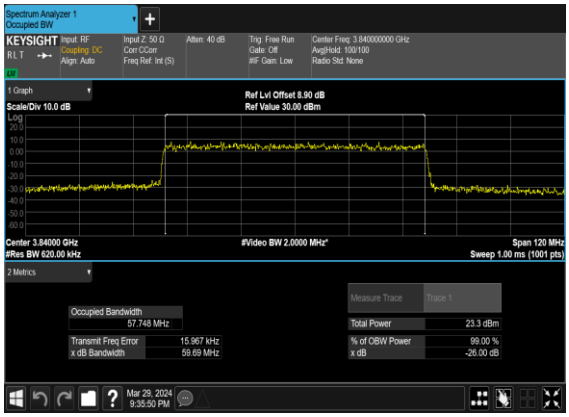
N77(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



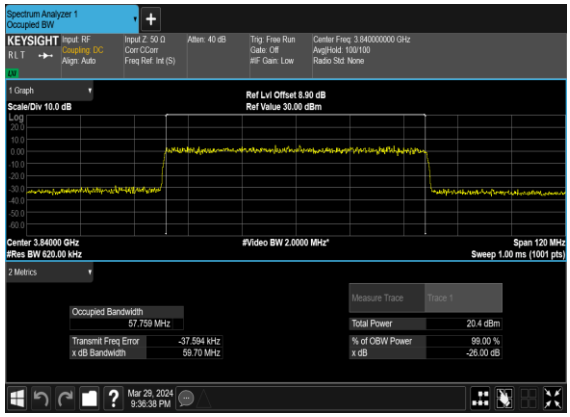
N77(60M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



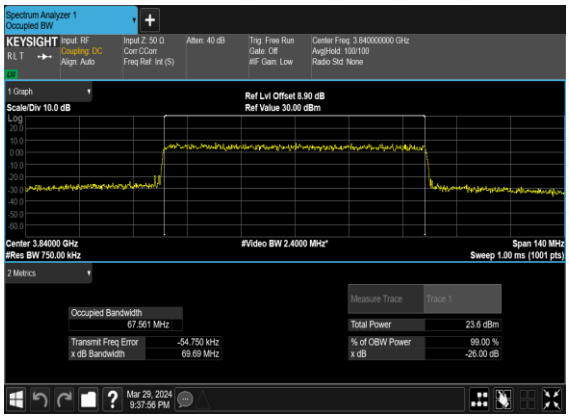
N77(60M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



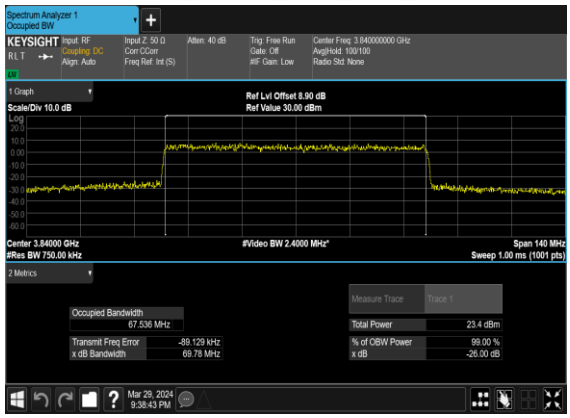
N77(60M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



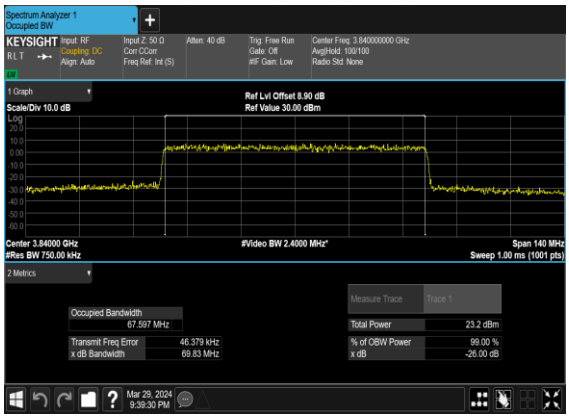
N77(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



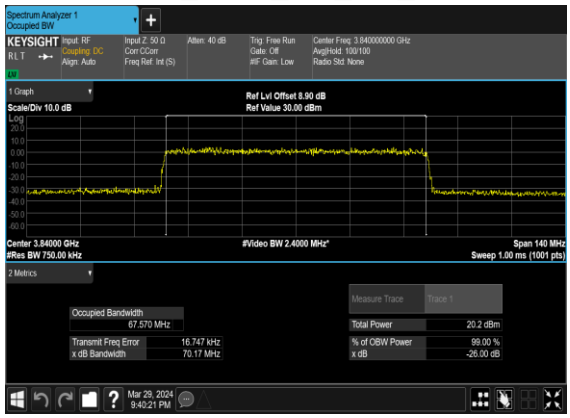
N77(70M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



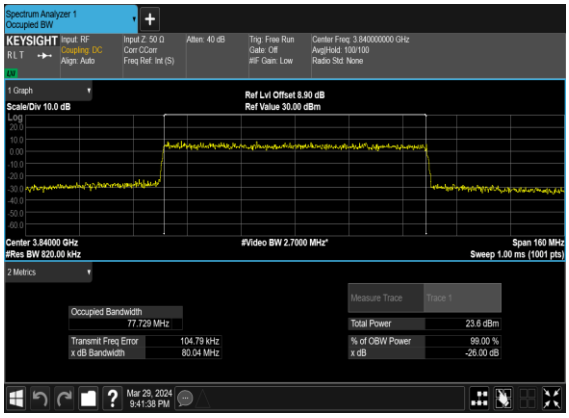
N77(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



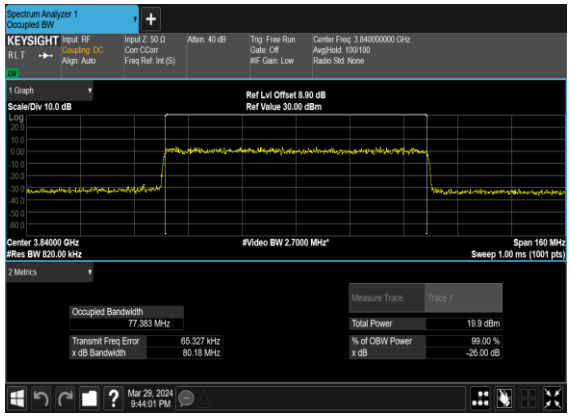
N77(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



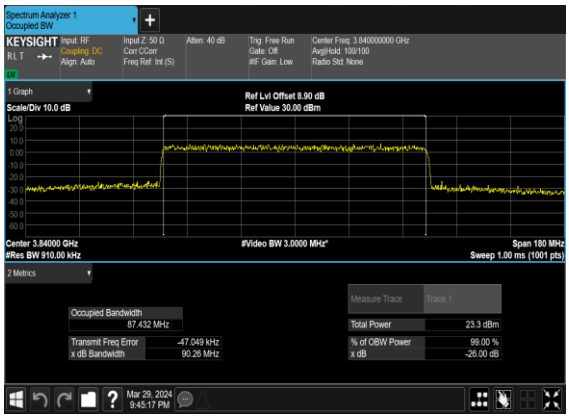
N77(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N77(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

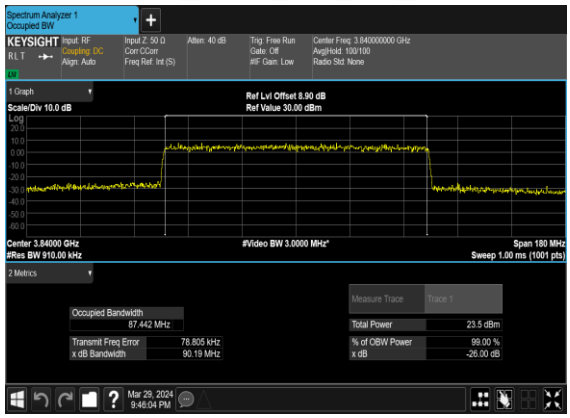
N77(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



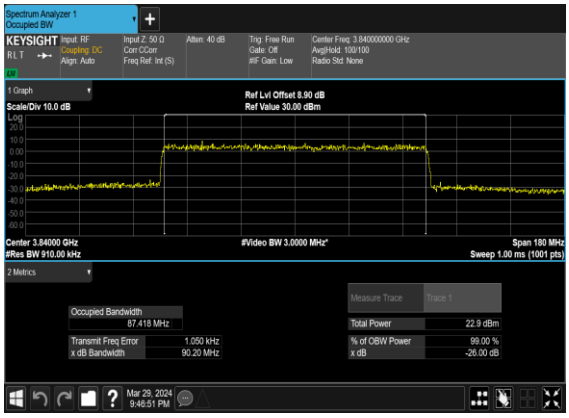
N77(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N77(90M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



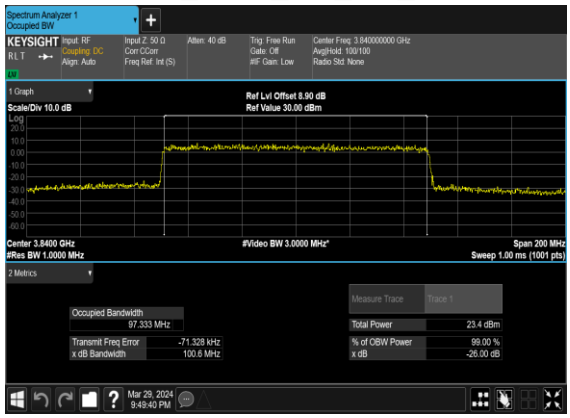
N77(90M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



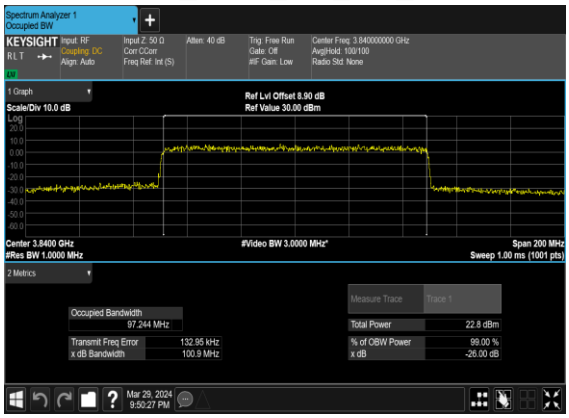
N77(90M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

N77(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

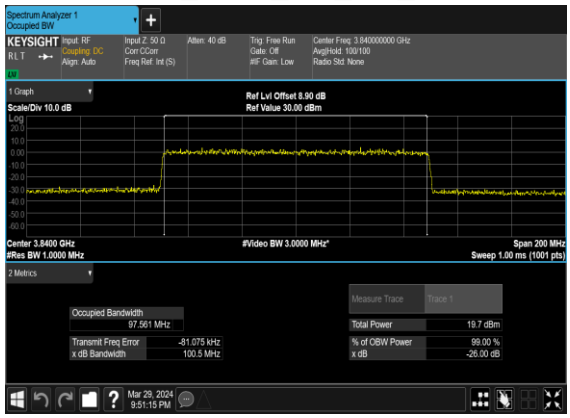
N77(100M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

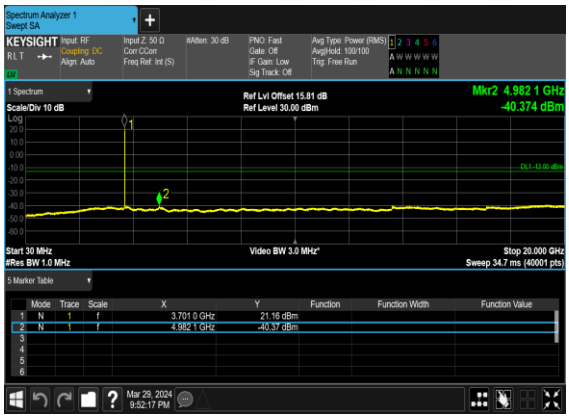


Conducted Spurious Emissions

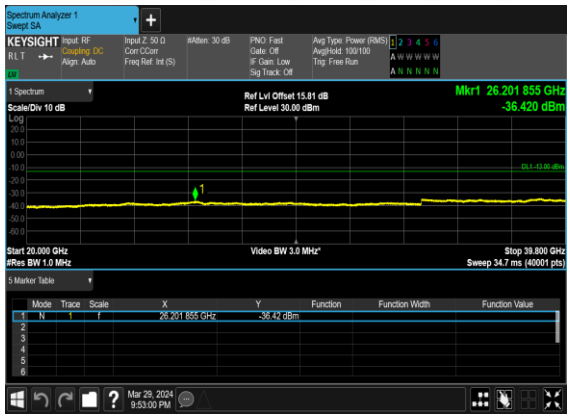
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	10	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	10	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**---**

77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

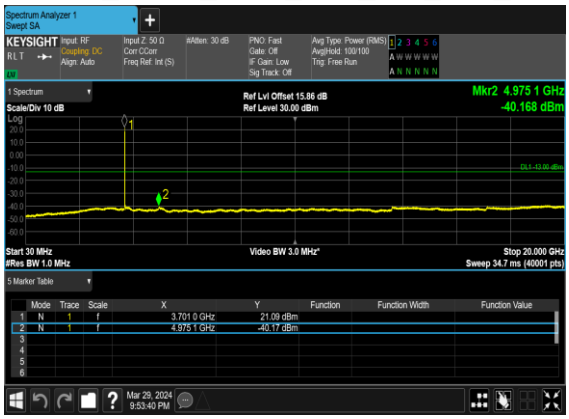
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



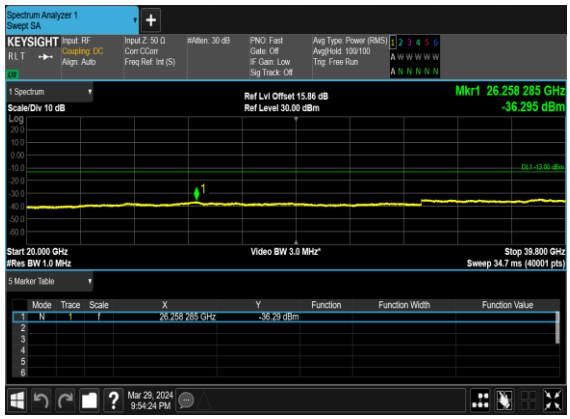
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



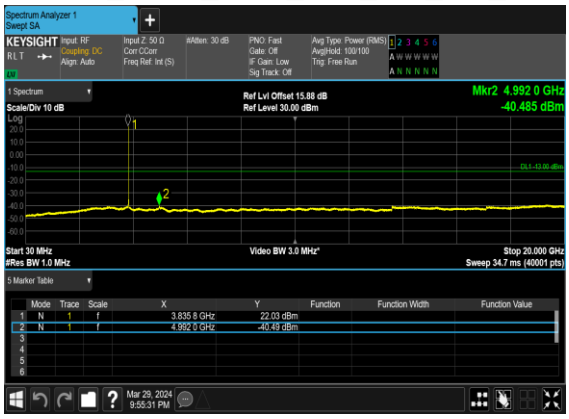
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



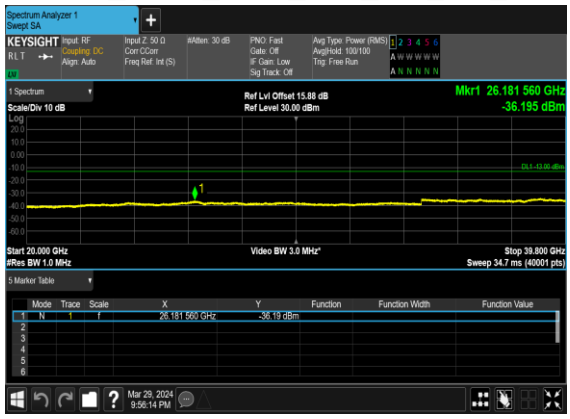
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



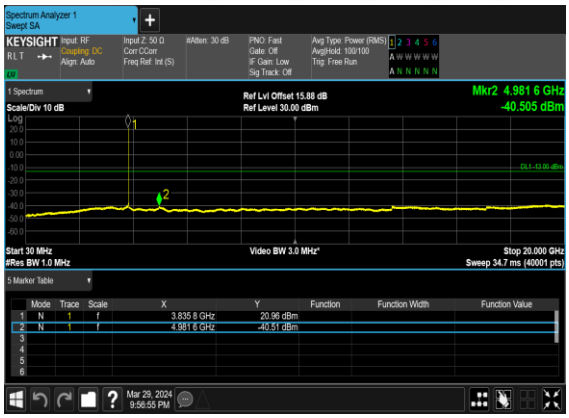
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



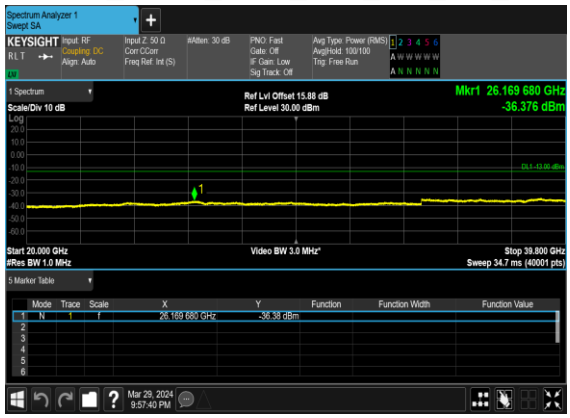
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



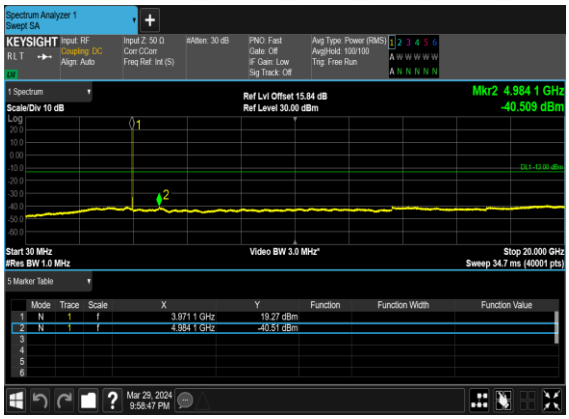
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



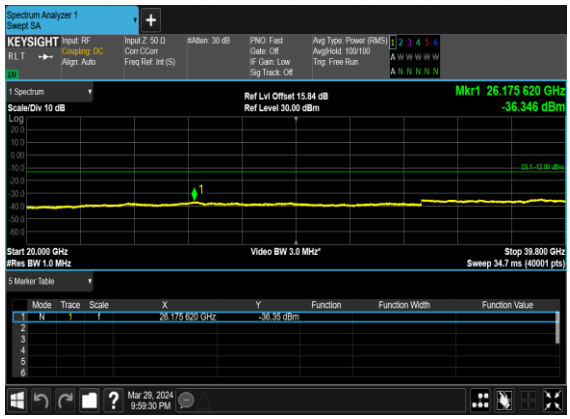
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



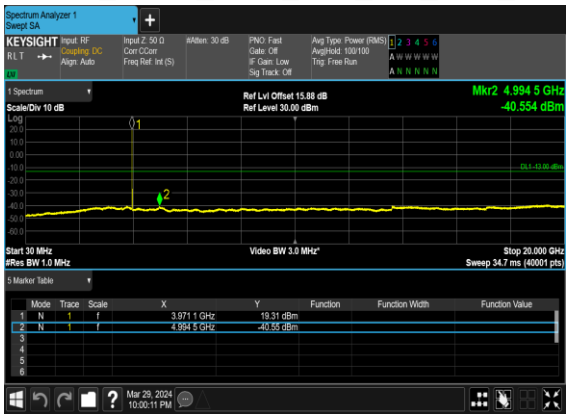
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



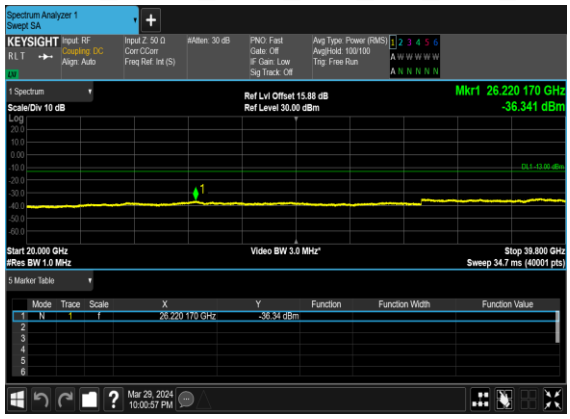
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



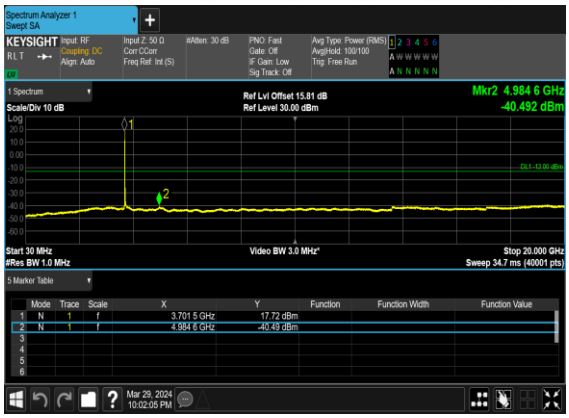
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



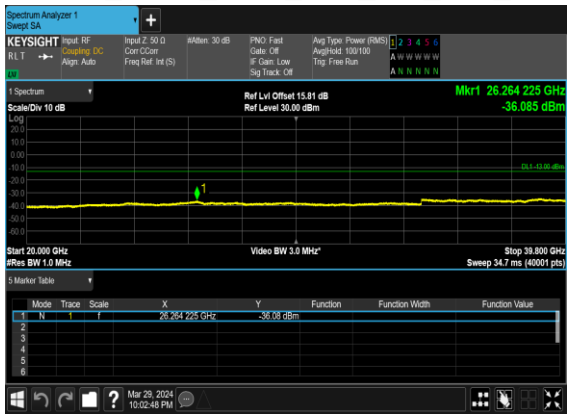
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



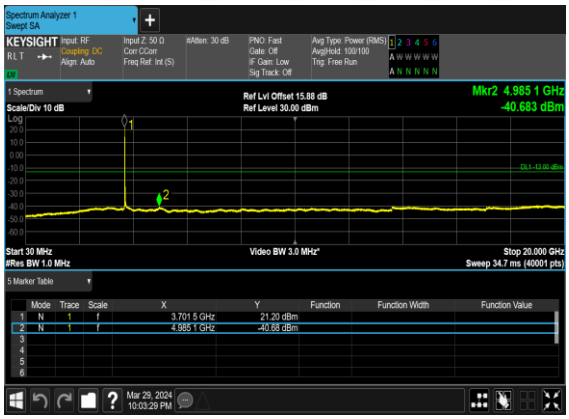
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



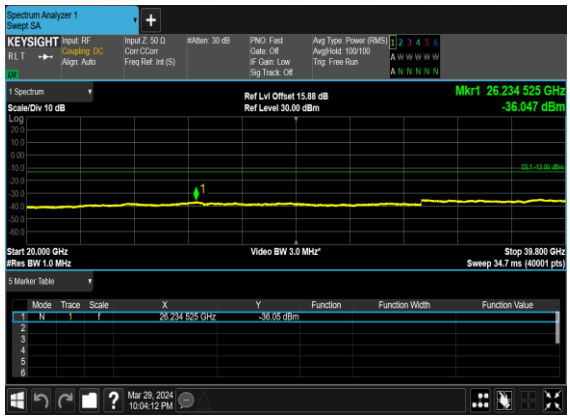
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



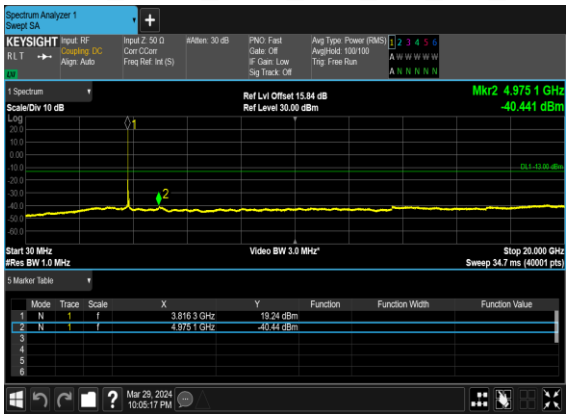
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



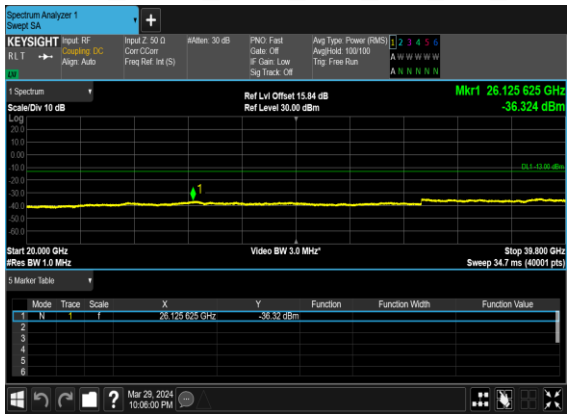
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



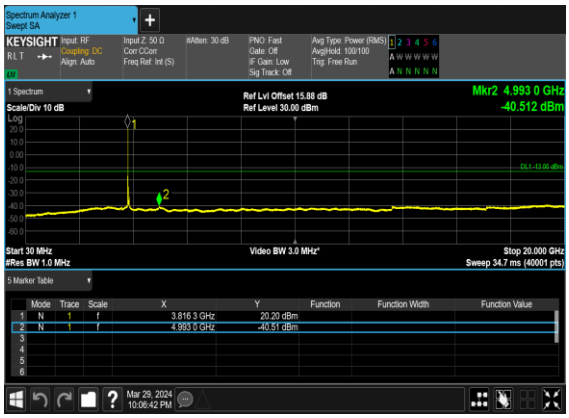
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



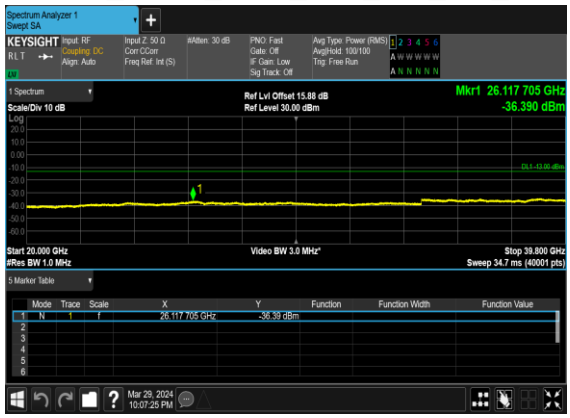
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



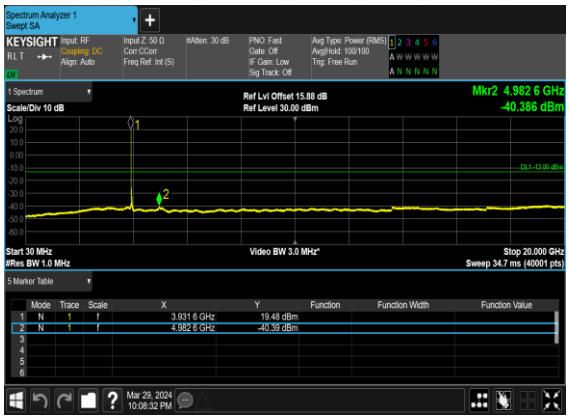
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



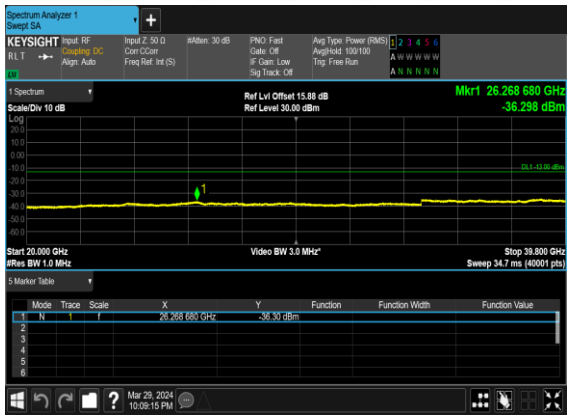
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



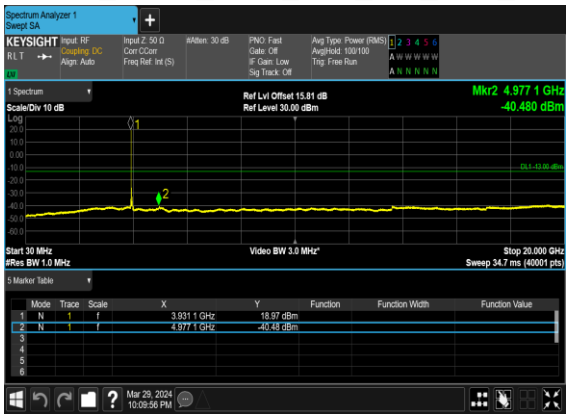
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



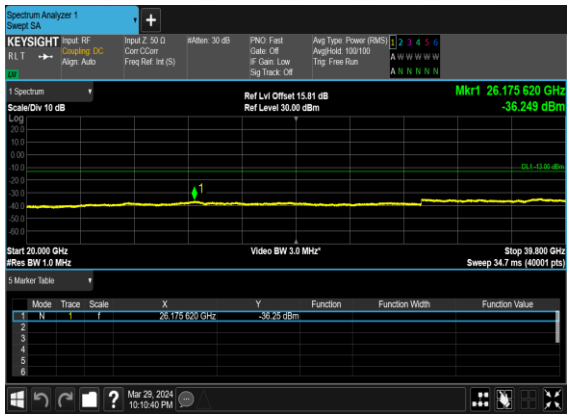
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



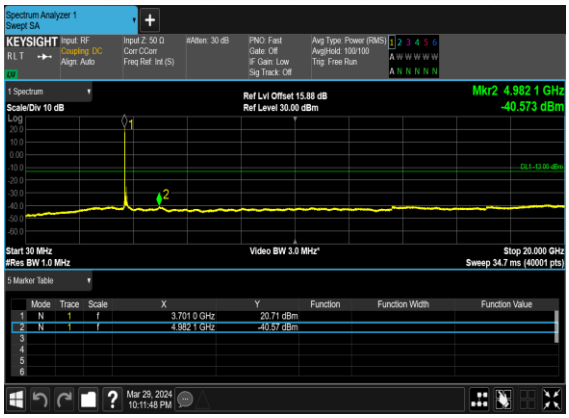
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



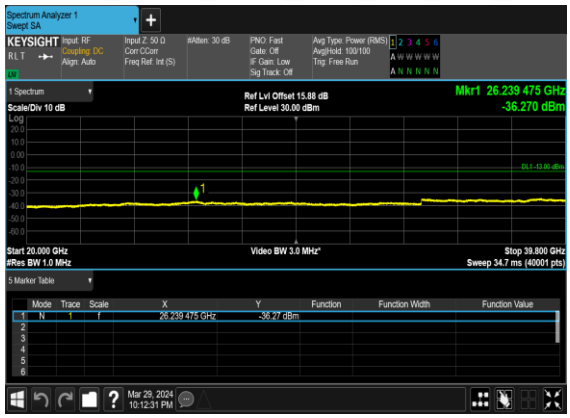
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



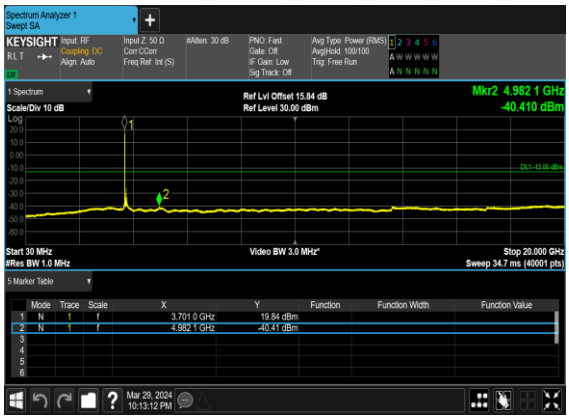
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



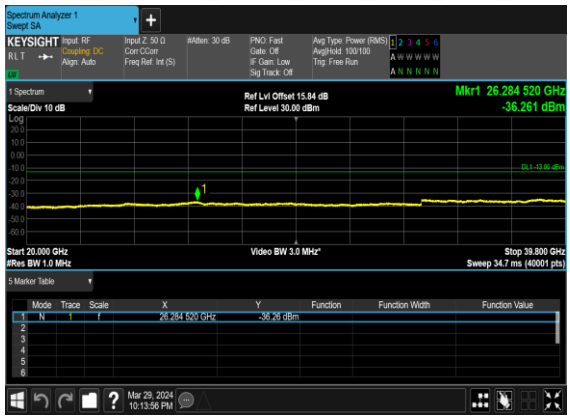
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



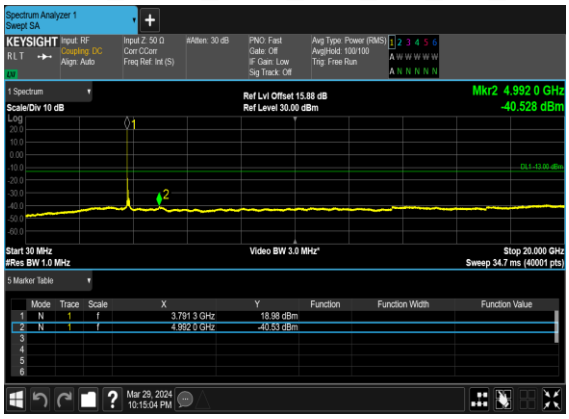
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



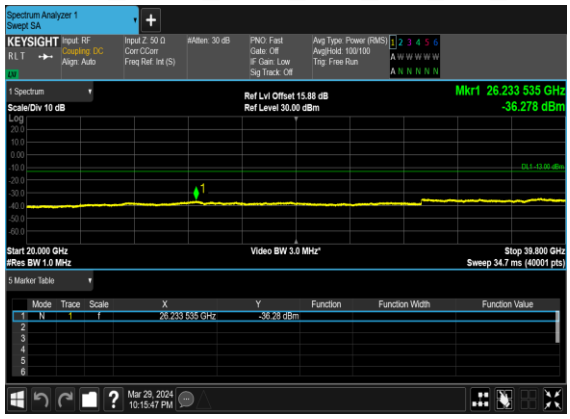
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



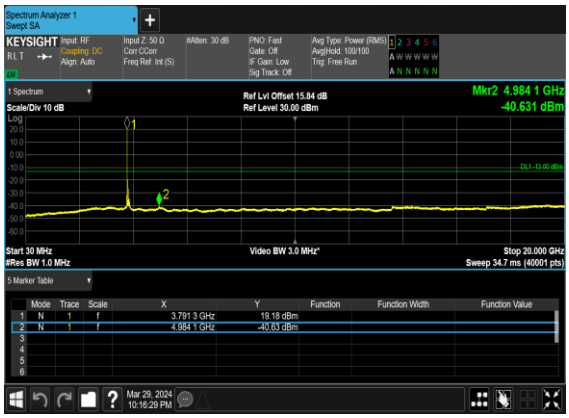
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



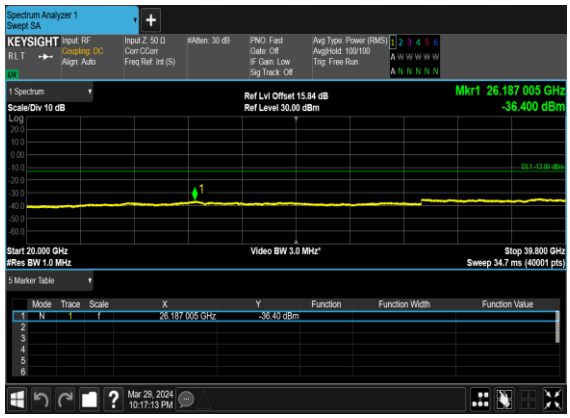
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



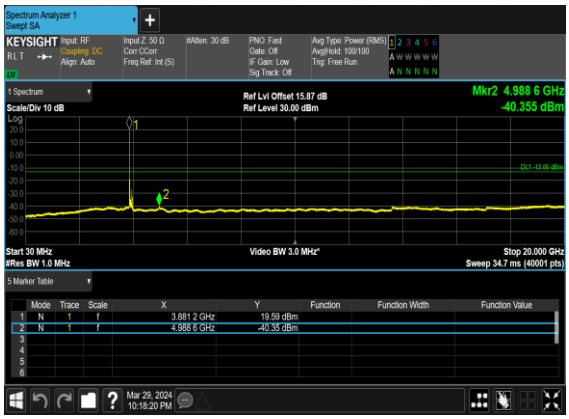
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



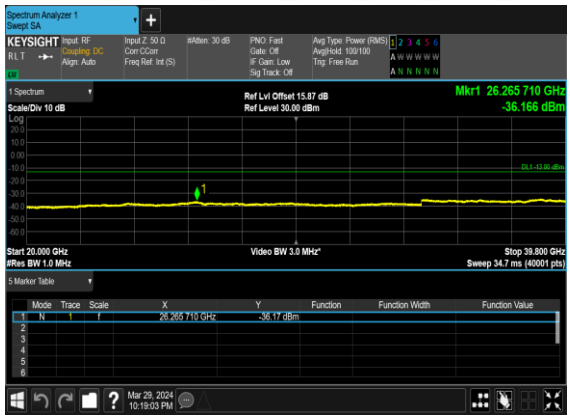
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



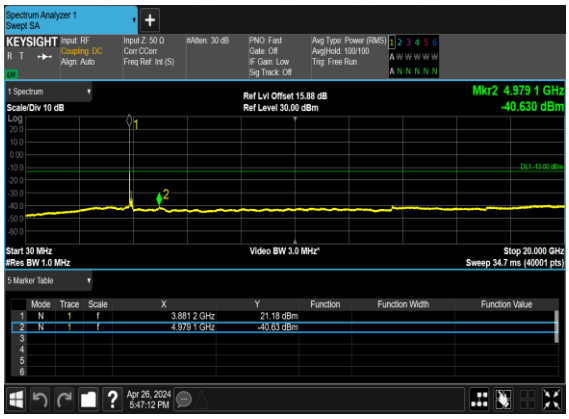
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



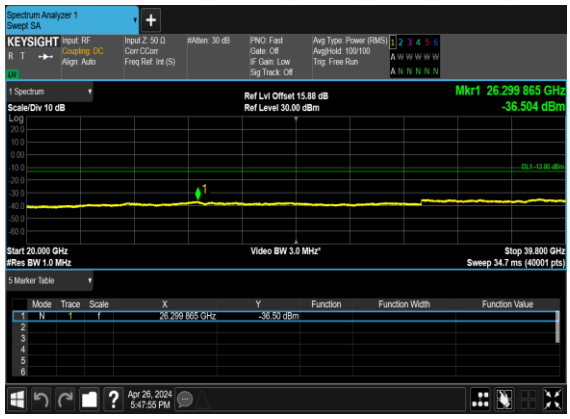
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

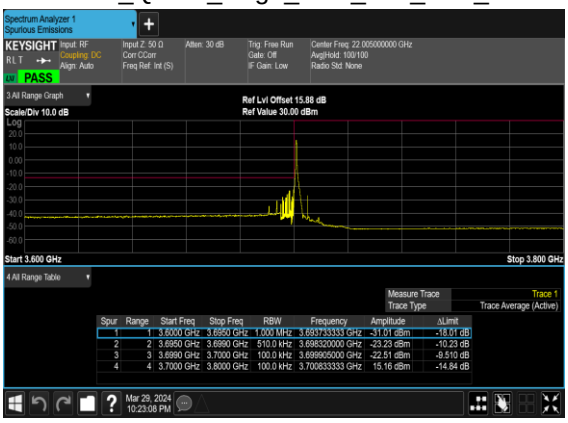


Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	24@0	see graph	**PASS**
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	24@0	see graph	**PASS**
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@23	see graph	**PASS**
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@23	see graph	**PASS**
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	24@0	see graph	**PASS**
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	24@0	see graph	**PASS**
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	128@0	see graph	**PASS**
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	128@0	see graph	**PASS**
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@132	see graph	**PASS**
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@132	see graph	**PASS**
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	128@0	see graph	**PASS**
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	128@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	270@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@272	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@272	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	270@0	see graph	**PASS**

N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

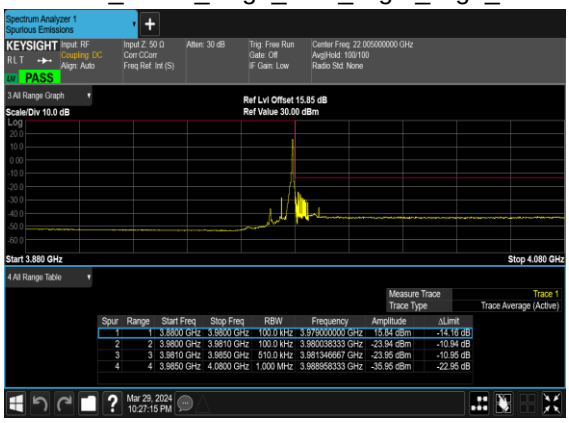
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



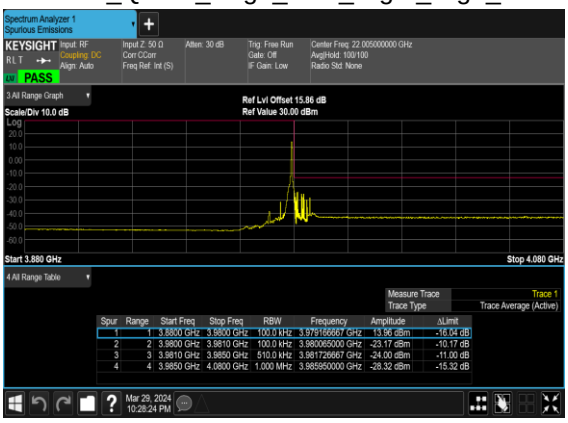
N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

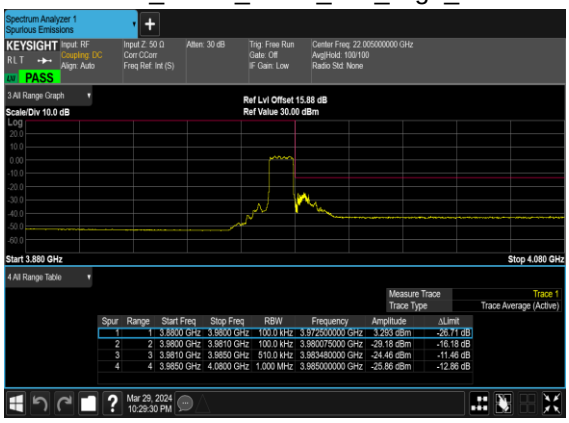
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



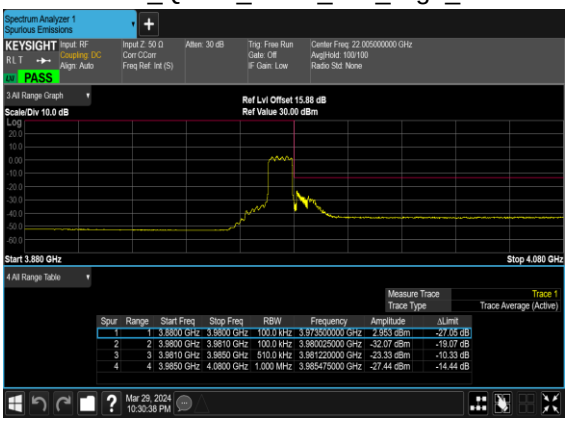
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

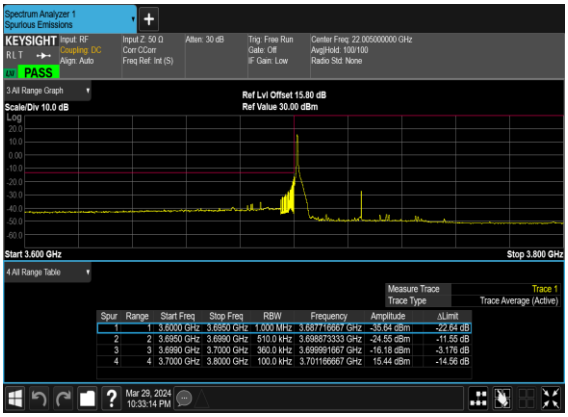


N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

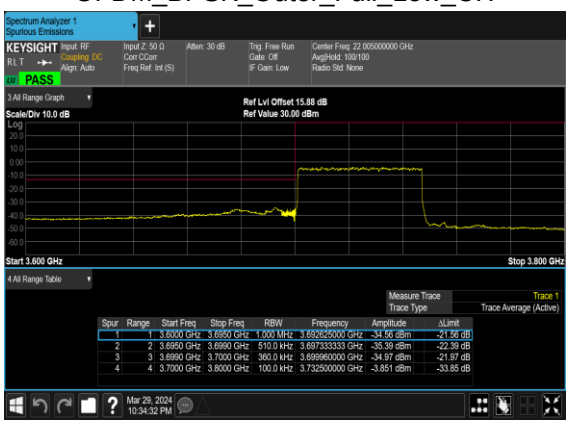


N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

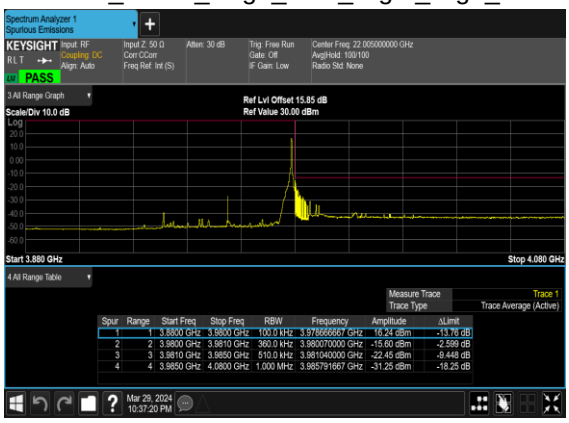


N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

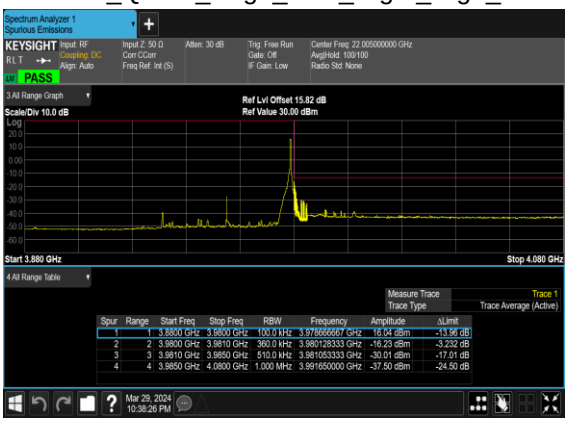


N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

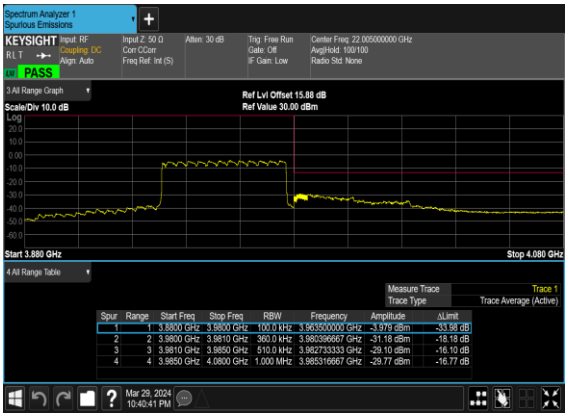


N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

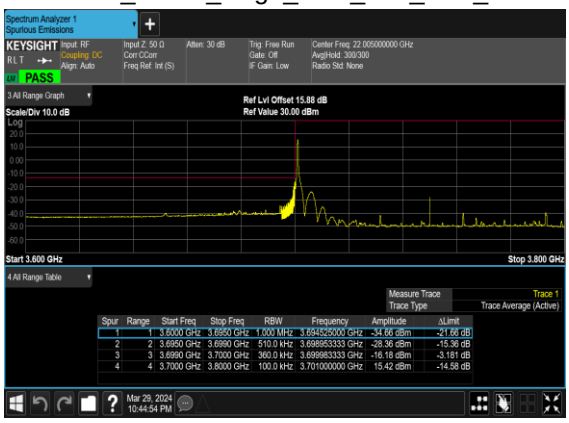


N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

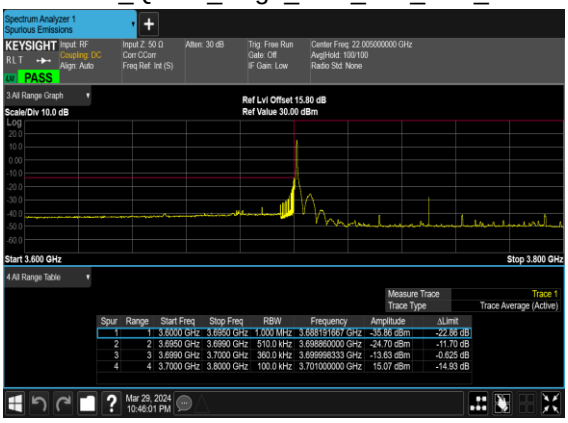
N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



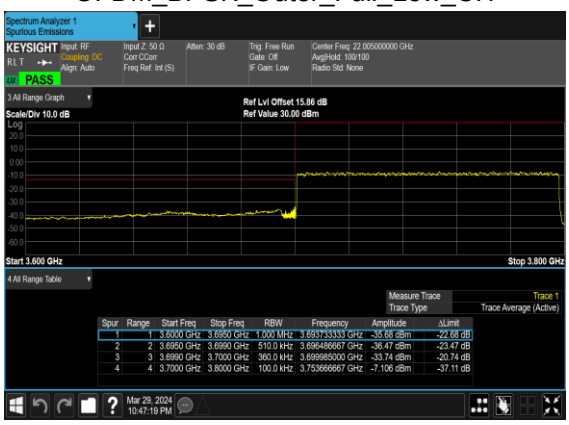
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



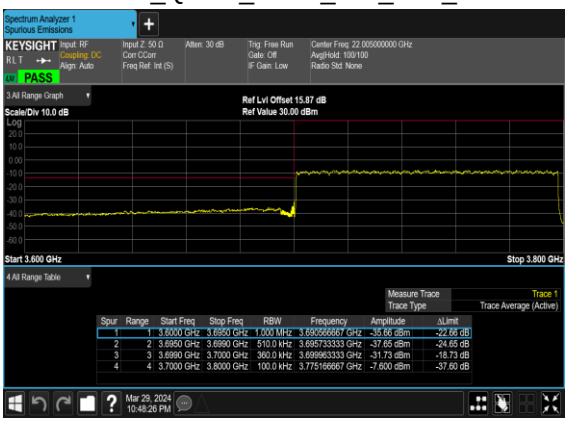
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



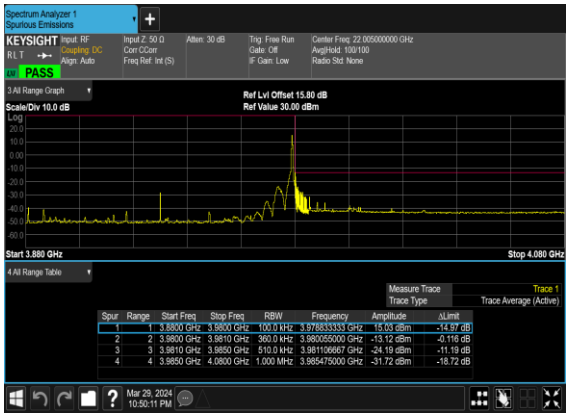
N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

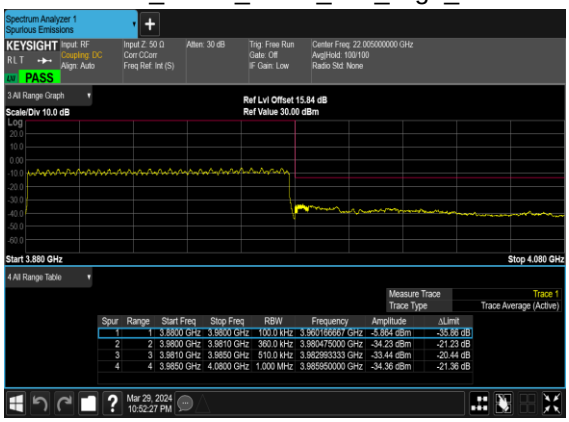


N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

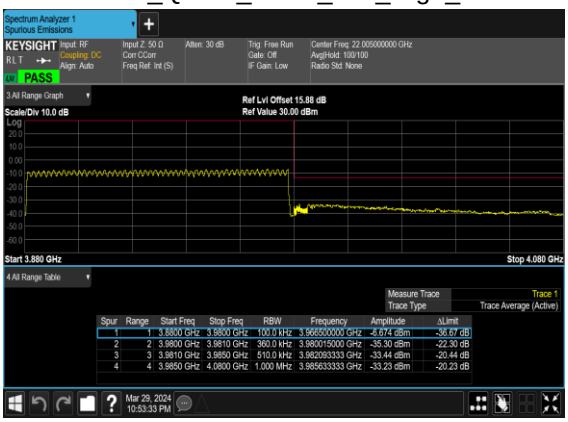


N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 23.06.1602

FR1 N78-SCS 15K

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=3dBi

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 QPSK	1@1	25.05	28.05	0.6383
78	15	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	23.83	26.83	0.4819
78	15	10	650000	3750	DFT-s-OFDM QPSK	1@1	25.2	28.2	0.6607
78	15	10	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.93	26.93	0.4932
78	15	10	653000	3795	DFT-s-OFDM QPSK	1@1	25.39	28.39	0.6902
78	15	10	653000	3795	DFT-s-OFDM 16 QAM	1@1	24.16	27.16	0.5200
78	15	15	647167	3707.505	DFT-s-OFDM QPSK	1@1	25.21	28.21	0.6622
78	15	15	647167	3707.505	DFT-s-OFDM 16 QAM	1@1	23.85	26.85	0.4842
78	15	15	650000	3750	DFT-s-OFDM QPSK	1@1	25.33	28.33	0.6808
78	15	15	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.02	27.02	0.5035
78	15	15	652833	3792.495	DFT-s-OFDM QPSK	1@1	25.55	28.55	0.7161
78	15	15	652833	3792.495	DFT-s-OFDM 16 QAM	1@1	24.22	27.22	0.5272
78	15	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	25.22	28.22	0.6637
78	15	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	23.87	26.87	0.4864
78	15	20	650000	3750	DFT-s-OFDM QPSK	1@1	25.25	28.25	0.6683
78	15	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.87	26.87	0.4864
78	15	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	25.45	28.45	0.6998
78	15	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	24.1	27.1	0.5129
78	15	30	647667	3715.005	DFT-s-OFDM QPSK	1@1	24.95	27.95	0.6237
78	15	30	647667	3715.005	DFT-s-OFDM 16 QAM	1@1	23.78	26.78	0.4764
78	15	30	650000	3750	DFT-s-OFDM QPSK	1@1	25.04	28.04	0.6368
78	15	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.82	26.82	0.4808
78	15	30	652333	3784.995	DFT-s-OFDM QPSK	1@1	25.21	28.21	0.6622
78	15	30	652333	3784.995	DFT-s-OFDM 16 QAM	1@1	23.97	26.97	0.4977
78	15	40	648000	3720	DFT-s-OFDM QPSK	1@1	24.81	27.81	0.6039
78	15	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	23.45	26.45	0.4416
78	15	40	650000	3750	DFT-s-OFDM QPSK	1@1	24.77	27.77	0.5984
78	15	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.46	26.46	0.4426
78	15	40	652000	3780	DFT-s-OFDM QPSK	1@1	24.8	27.8	0.6026
78	15	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	23.6	26.6	0.4571
V	15	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	135@67	25.28	28.28	0.6730
78	15	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@1	24.99	27.99	0.6295
78	15	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@268	25.2	28.2	0.6607
78	15	50	648334	3725.01	DFT-s-OFDM QPSK	135@67	25.3	28.3	0.6761
78	15	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	25	28	0.6310
78	15	50	648334	3725.01	DFT-s-OFDM QPSK	1@268	25.2	28.2	0.6607
78	15	50	648334	3725.01	DFT-s-OFDM 16 QAM	135@67	24.27	27.27	0.5333
78	15	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	23.8	26.8	0.4786
78	15	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@268	23.82	26.82	0.4808
78	15	50	648334	3725.01	DFT-s-OFDM 64 QAM	135@67	22.78	25.78	0.3784
78	15	50	648334	3725.01	DFT-s-OFDM 64 QAM	1@1	22.52	25.52	0.3565

78	15	50	648334	3725.01	DFT-s-OFDM 64 QAM	1@268	22.72	25.72	0.3733
78	15	50	648334	3725.01	DFT-s-OFDM 256 QAM	135@67	20.83	23.83	0.2415
78	15	50	648334	3725.01	DFT-s-OFDM 256 QAM	1@1	20.57	23.57	0.2275
78	15	50	648334	3725.01	DFT-s-OFDM 256 QAM	1@268	20.76	23.76	0.2377
78	15	50	648334	3725.01	CP-OFDM QPSK	135@67	23.73	26.73	0.4710
78	15	50	648334	3725.01	CP-OFDM QPSK	1@1	23.45	26.45	0.4416
78	15	50	648334	3725.01	CP-OFDM QPSK	1@268	23.77	26.77	0.4753
78	15	50	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	25.39	28.39	0.6902
78	15	50	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.08	28.08	0.6427
78	15	50	650000	3750	DFT-s-OFDM PI/2 BPSK	1@268	25.31	28.31	0.6776
78	15	50	650000	3750	DFT-s-OFDM QPSK	135@67	25.41	28.41	0.6934
78	15	50	650000	3750	DFT-s-OFDM QPSK	1@1	25.09	28.09	0.6442
78	15	50	650000	3750	DFT-s-OFDM QPSK	1@268	25.3	28.3	0.6761
78	15	50	650000	3750	DFT-s-OFDM 16 QAM	135@67	24.42	27.42	0.5521
78	15	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.86	26.86	0.4853
78	15	50	650000	3750	DFT-s-OFDM 16 QAM	1@268	24.01	27.01	0.5023
78	15	50	650000	3750	DFT-s-OFDM 64 QAM	135@67	22.92	25.92	0.3908
78	15	50	650000	3750	DFT-s-OFDM 64 QAM	1@1	22.59	25.59	0.3622
78	15	50	650000	3750	DFT-s-OFDM 64 QAM	1@268	22.89	25.89	0.3882
78	15	50	650000	3750	DFT-s-OFDM 256 QAM	135@67	20.99	23.99	0.2506
78	15	50	650000	3750	DFT-s-OFDM 256 QAM	1@1	20.65	23.65	0.2317
78	15	50	650000	3750	DFT-s-OFDM 256 QAM	1@268	20.91	23.91	0.2460
78	15	50	650000	3750	CP-OFDM QPSK	135@67	23.86	26.86	0.4853
78	15	50	650000	3750	CP-OFDM QPSK	1@1	23.58	26.58	0.4550
78	15	50	650000	3750	CP-OFDM QPSK	1@268	23.92	26.92	0.4920
78	15	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	135@67	25.53	28.53	0.7129
78	15	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	1@1	25.13	28.13	0.6501
78	15	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	1@268	25.52	28.52	0.7112
78	15	50	651666	3774.99	DFT-s-OFDM QPSK	135@67	25.56	28.56	0.7178
78	15	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	25.15	28.15	0.6531
78	15	50	651666	3774.99	DFT-s-OFDM QPSK	1@268	25.49	28.49	0.7063
78	15	50	651666	3774.99	DFT-s-OFDM 16 QAM	135@67	24.54	27.54	0.5675
78	15	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	23.84	26.84	0.4831
78	15	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@268	24.21	27.21	0.5260
78	15	50	651666	3774.99	DFT-s-OFDM 64 QAM	135@67	23.05	26.05	0.4027
78	15	50	651666	3774.99	DFT-s-OFDM 64 QAM	1@1	22.69	25.69	0.3707
78	15	50	651666	3774.99	DFT-s-OFDM 64 QAM	1@268	23.05	26.05	0.4027
78	15	50	651666	3774.99	DFT-s-OFDM 256 QAM	135@67	21.16	24.16	0.2606
78	15	50	651666	3774.99	DFT-s-OFDM 256 QAM	1@1	20.71	23.71	0.2350
78	15	50	651666	3774.99	DFT-s-OFDM 256 QAM	1@268	21.08	24.08	0.2559
78	15	50	651666	3774.99	CP-OFDM QPSK	135@67	24.02	27.02	0.5035
78	15	50	651666	3774.99	CP-OFDM QPSK	1@1	23.64	26.64	0.4613
78	15	50	651666	3774.99	CP-OFDM QPSK	1@268	24.08	27.08	0.5105

Software Version: 23.06.1602

FR1 N78-SCS 30K

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=3dBi

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 QPSK	1@1	25.47	28.47	0.7031
78	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	24.33	27.33	0.5408
78	30	10	650000	3750	DFT-s-OFDM QPSK	1@1	25.48	28.48	0.7047
78	30	10	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.39	27.39	0.5483
78	30	10	653000	3795	DFT-s-OFDM QPSK	1@1	25.53	28.53	0.7129
78	30	10	653000	3795	DFT-s-OFDM 16 QAM	1@1	24.48	27.48	0.5598
78	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	25.39	28.39	0.6902
78	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	24.28	27.28	0.5346
78	30	15	650000	3750	DFT-s-OFDM QPSK	1@1	25.49	28.49	0.7063
78	30	15	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.42	27.42	0.5521
78	30	15	652832	3792.48	DFT-s-OFDM QPSK	1@1	25.37	28.37	0.6871
78	30	15	652832	3792.48	DFT-s-OFDM 16 QAM	1@1	24.32	27.32	0.5395
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	25.24	28.24	0.6668
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	24.26	27.26	0.5321
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	25.38	28.38	0.6887
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.39	27.39	0.5483
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	25.26	28.26	0.6699
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	24.18	27.18	0.5224
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	25.34	28.34	0.6823
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	24.23	27.23	0.5284
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	25.39	28.39	0.6902
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.28	27.28	0.5346
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	25.02	28.02	0.6339
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	24	27	0.5012
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	25.02	28.02	0.6339
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	23.89	26.89	0.4887
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	25.18	28.18	0.6577
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.13	27.13	0.5164
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	24.91	27.91	0.6180
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	23.75	26.75	0.4732
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	25.29	28.29	0.6745
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	24.13	27.13	0.5164
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	25.45	28.45	0.6998
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.3	27.3	0.5370
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	25.18	28.18	0.6577
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	24.04	27.04	0.5058
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	25.25	28.25	0.6683

78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	24.07	27.07	0.5093
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	25.44	28.44	0.6982
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.24	27.24	0.5297
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	25.35	28.35	0.6839
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	24.2	27.2	0.5248
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	25.1	28.1	0.6457
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	24.06	27.06	0.5082
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@1	25.22	28.22	0.6637
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.07	27.07	0.5093
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@1	25.25	28.25	0.6683
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@1	24.14	27.14	0.5176
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	25.08	28.08	0.6427
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	23.9	26.9	0.4898
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@1	25.11	28.11	0.6471
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.92	26.92	0.4920
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	25.17	28.17	0.6561
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	23.94	26.94	0.4943
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	25.02	28.02	0.6339
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	23.86	26.86	0.4853
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	24.99	27.99	0.6295
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.83	26.83	0.4819
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	24.98	27.98	0.6281
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	23.92	26.92	0.4920
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	25.45	28.45	0.6998
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24.76	27.76	0.5970
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	25.02	28.02	0.6339
78	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	25.55	28.55	0.7161
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	24.81	27.81	0.6039
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	25.08	28.08	0.6427
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	24.47	27.47	0.5585
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.66	26.66	0.4634
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	23.96	26.96	0.4966
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	22.93	25.93	0.3917
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	22.23	25.23	0.3334
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	22.65	25.65	0.3673
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	21.05	24.05	0.2541
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	20.81	23.81	0.2404
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	21.17	24.17	0.2612
78	30	100	650000	3750	CP-OFDM QPSK	137@68	23.91	26.91	0.4909
78	30	100	650000	3750	CP-OFDM QPSK	1@1	23.26	26.26	0.4227
78	30	100	650000	3750	CP-OFDM QPSK	1@271	23.52	26.52	0.4487

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Qingsheng He	Temperature :	22~25℃
		Relative Humidity :	48~52%

n77 SA / NR 100MHz / QPSK / Sample 1 & Monopole Antenna									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	7402.40	-49.46	-13	-36.46	-58.38	-52.79	8.25	11.58	H
	11103.60	-54.41	-13	-41.41	-68.79	-55.96	10.45	12.00	H
	14804.80	-52.68	-13	-39.68	-69.74	-54.39	11.74	13.45	H
	7402.40	-42.85	-13	-29.85	-51.74	-46.18	8.25	11.58	V
	11103.60	-51.71	-13	-38.71	-68.02	-53.26	10.45	12.00	V
	14804.80	-52.44	-13	-39.44	-69.78	-54.15	11.74	13.45	V
Middle	7582.36	-37.38	-13	-24.38	-45.69	-40.68	8.30	11.60	H
	11373.54	-55.19	-13	-42.19	-69.53	-56.71	10.48	12.00	H
	15164.72	-51.34	-13	-38.34	-69.43	-53.04	11.80	13.50	H
	7582.36	-31.43	-13	-18.43	-39.74	-34.73	8.30	11.60	V
	11373.54	-50.37	-13	-37.37	-68.79	-51.89	10.48	12.00	V
	15164.72	-51.97	-13	-38.97	-70.05	-53.67	11.80	13.50	V
Highest	7762.40	-38.96	-13	-25.96	-46.80	-42.26	8.32	11.62	H
	11643.60	-53.25	-13	-40.25	-68.22	-54.93	10.52	12.20	H
	15524.80	-49.59	-13	-36.59	-68.91	-51.29	11.85	13.55	H
	7762.40	-28.57	-13	-15.57	-39.84	-31.87	8.32	11.62	V
	11643.60	-50.46	-13	-37.46	-68.28	-52.14	10.52	12.20	V
	15524.80	-51.51	-13	-38.51	-69.19	-53.21	11.85	13.55	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_30A_n77A / LTE 20MHz + NR 100MHz / QPSK / Sample 1 & Monopole Antenna									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n77 Lowest	7402.40	-57.06	-13	-44.06	-65.98	-60.39	8.25	11.58	H
	11103.60	-54.20	-13	-41.20	-68.58	-55.75	10.45	12.00	H
	14804.80	-52.73	-13	-39.73	-69.79	-54.44	11.74	13.45	H
	7402.40	-50.92	-13	-37.92	-59.81	-54.25	8.25	11.58	V
	11103.60	-52.09	-13	-39.09	-68.4	-53.64	10.45	12.00	V
	14804.80	-52.12	-13	-39.12	-69.46	-53.83	11.74	13.45	V
LTE Band 30 Lowest	4611.00	-60.05	-40	-20.05	-65.00	-66.30	6.45	12.70	H
	6916.50	-57.69	-40	-17.69	-65.19	-61.09	8.40	11.80	H
	9222.00	-59.49	-40	-19.49	-69.01	-61.84	9.65	12.00	H
	4611.00	-59.92	-40	-19.92	-65	-66.17	6.45	12.70	V
	6916.50	-57.19	-40	-17.19	-65.79	-60.59	8.40	11.80	V
	9222.00	-57.30	-40	-17.30	-69.05	-59.65	9.65	12.00	V
NR n77 Middle	7582.36	-57.65	-13	-44.65	-65.96	-60.95	8.30	11.60	H
	11373.54	-54.74	-13	-41.74	-69.08	-56.26	10.48	12.00	H
	15164.72	-51.31	-13	-38.31	-69.40	-53.01	11.80	13.50	H
	7582.36	-50.27	-13	-37.27	-58.58	-53.57	8.30	11.60	V
	11373.54	-50.66	-13	-37.66	-69.08	-52.18	10.48	12.00	V
	15164.72	-51.86	-13	-38.86	-69.94	-53.56	11.80	13.50	V
LTE Band 30 Middle	4611.00	-59.52	-40	-19.52	-64.47	-65.77	6.45	12.70	H
	6916.50	-57.96	-40	-17.96	-65.46	-61.36	8.40	11.80	H
	9222.00	-59.55	-40	-19.55	-69.07	-61.90	9.65	12.00	H
	4611.00	-59.63	-40	-19.63	-64.71	-65.88	6.45	12.70	V
	6916.50	-56.56	-40	-16.56	-65.16	-59.96	8.40	11.80	V
	9222.00	-57.18	-40	-17.18	-68.93	-59.53	9.65	12.00	V
NR n77 Highest	7762.40	-55.12	-13	-42.12	-62.96	-58.42	8.32	11.62	H
	11643.60	-53.62	-13	-40.62	-68.59	-55.30	10.52	12.20	H
	15524.80	-50.05	-13	-37.05	-69.37	-51.75	11.85	13.55	H
	7762.40	-42.19	-13	-29.19	-53.46	-45.49	8.32	11.62	V
	11643.60	-49.85	-13	-36.85	-67.67	-51.53	10.52	12.20	V
	15524.80	-51.33	-13	-38.33	-69.01	-53.03	11.85	13.55	V
LTE Band 30 Highest	4611.00	-59.96	-40	-19.96	-64.91	-66.21	6.45	12.70	H
	6916.50	-58.13	-40	-18.13	-65.63	-61.53	8.40	11.80	H
	9222.00	-59.77	-40	-19.77	-69.29	-62.12	9.65	12.00	H
	4611.00	-59.77	-40	-19.77	-64.85	-66.02	6.45	12.70	V
	6916.50	-57.10	-40	-17.10	-65.7	-60.50	8.40	11.80	V
	9222.00	-57.52	-40	-17.52	-69.27	-59.87	9.65	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.