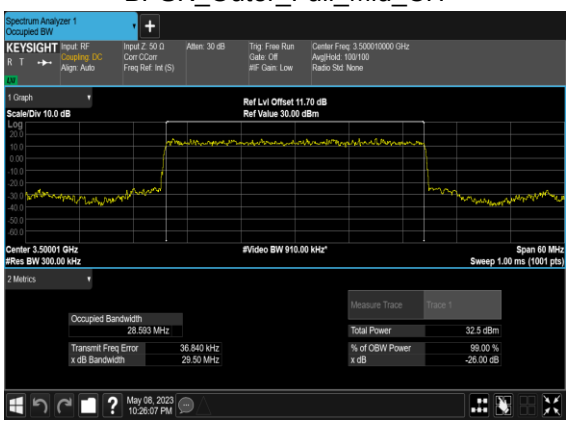
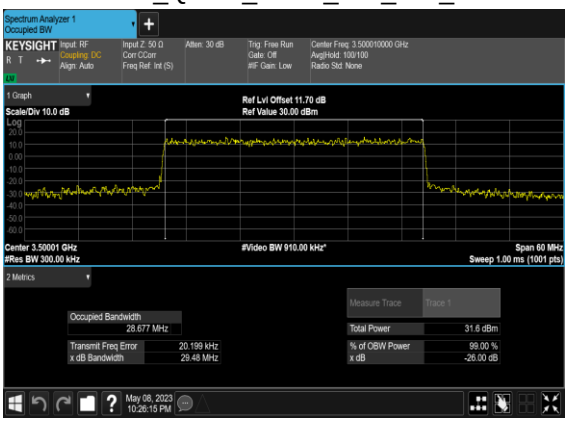
N77(30M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

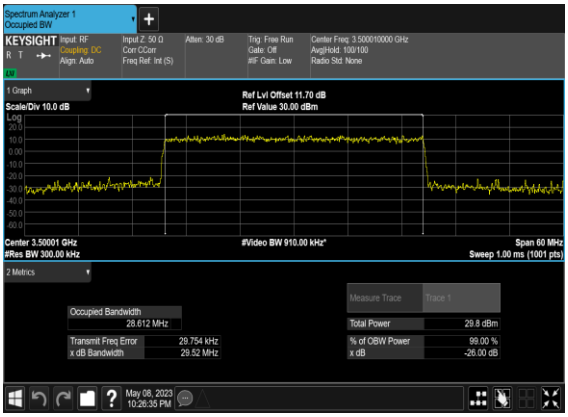


N77(30M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

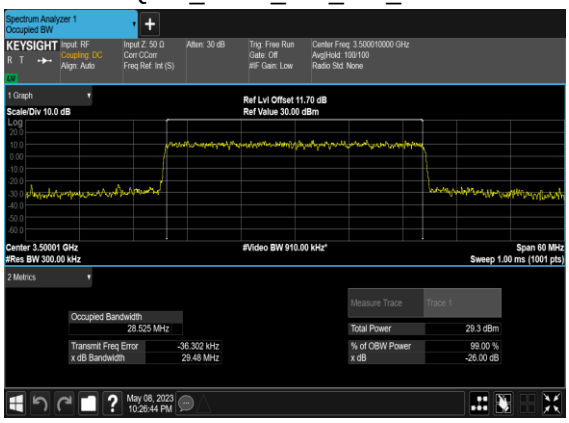


N77(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

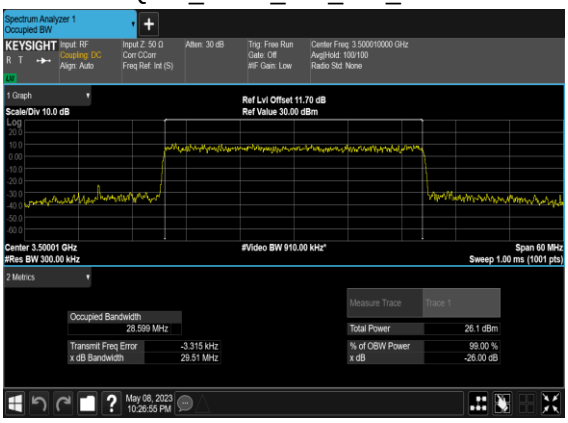
N77(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



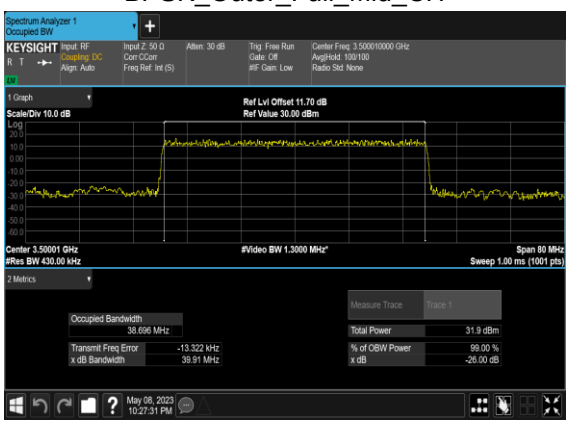
N77(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



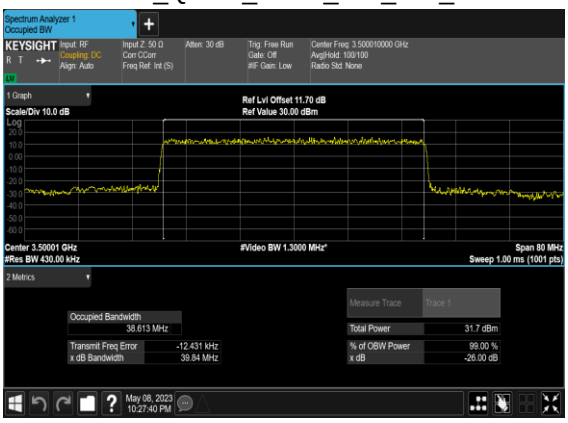
N77(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



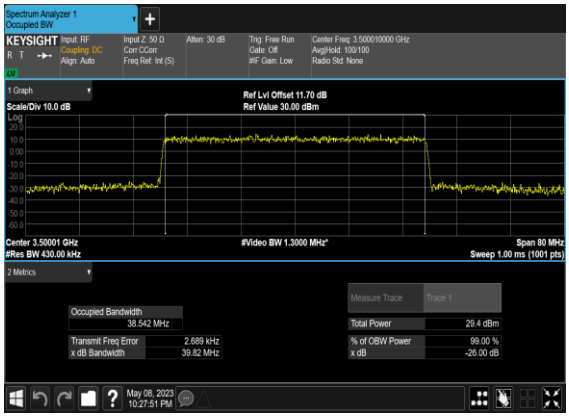
N77(40M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



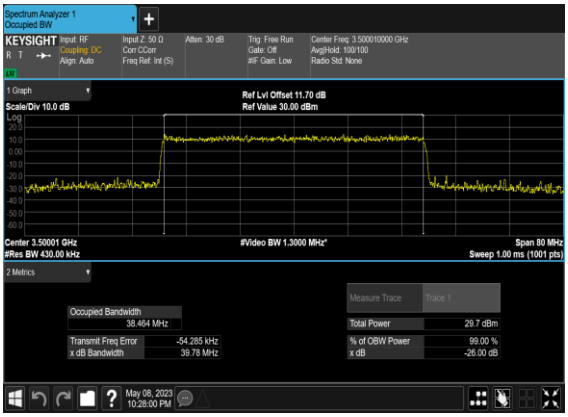
N77(40M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



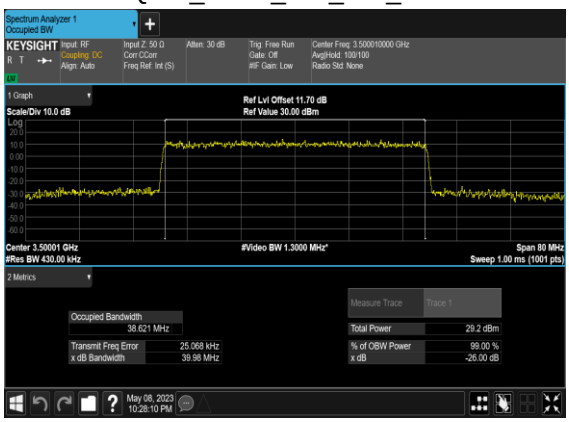
N77(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



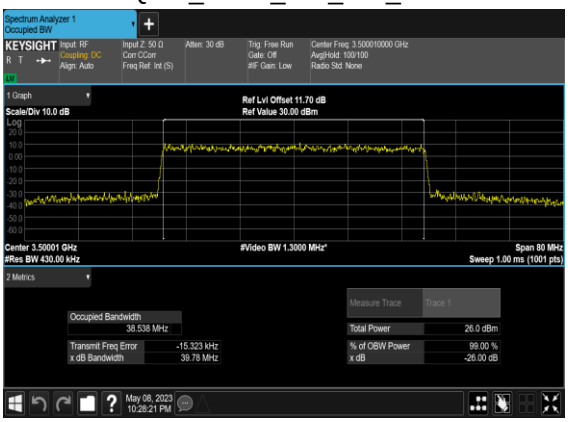
N77(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



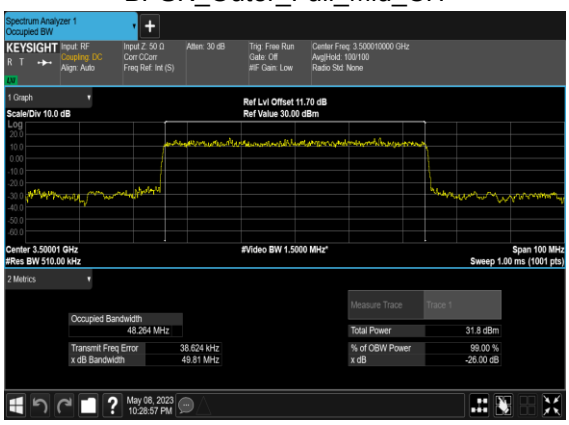
N77(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



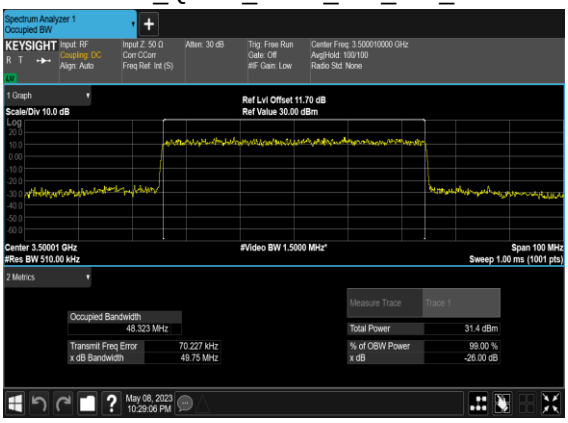
N77(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



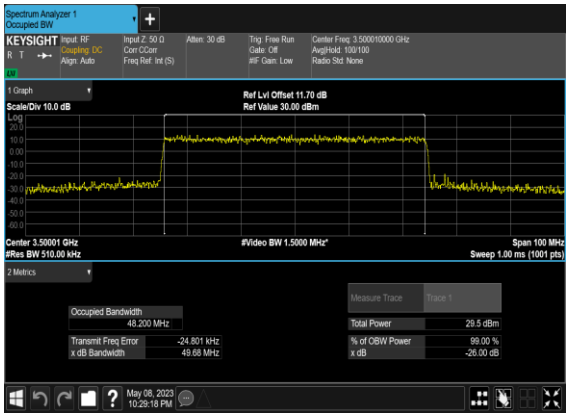
N77(50M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



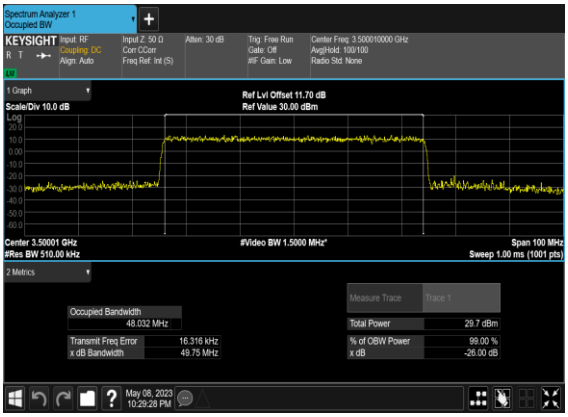
N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



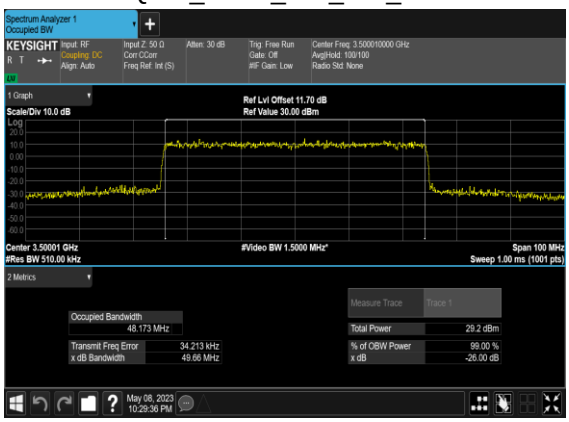
N77(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



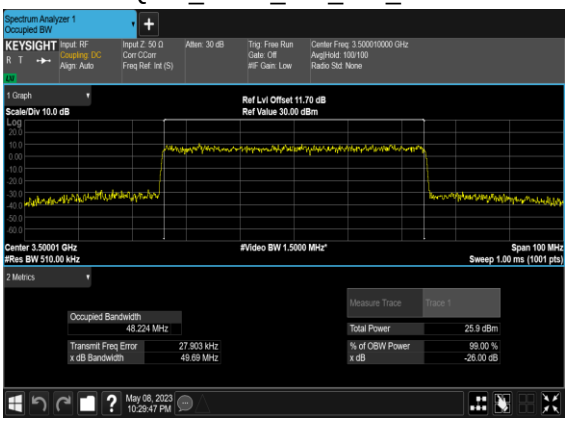
N77(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



Conducted Spurious Emissions

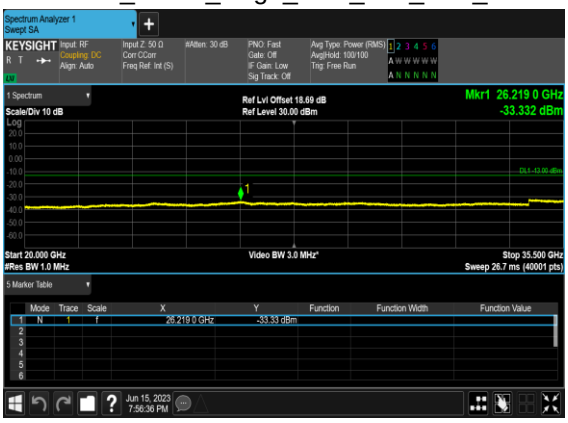
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	15	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	15	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	15	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	10	636333	3544.995	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	15	10	636333	3544.995	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	10	636333	3544.995	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	25	630834	3462.51	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	15	25	630834	3462.51	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	25	630834	3462.51	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@0	see graph	**---**

77	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	25	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	15	25	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	25	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	25	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	15	25	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	25	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	25	635833	3537.495	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	15	25	635833	3537.495	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	25	635833	3537.495	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	50	631667	3475.005	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	15	50	631667	3475.005	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	50	631667	3475.005	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	15	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**---**

77	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	15	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	15	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

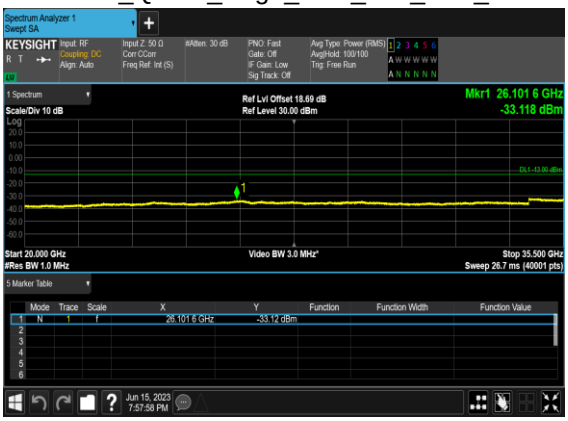
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

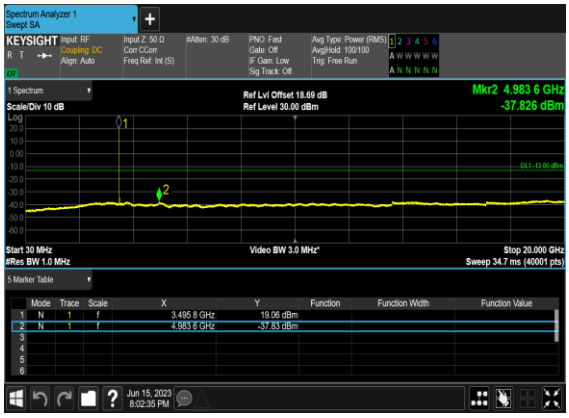


N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

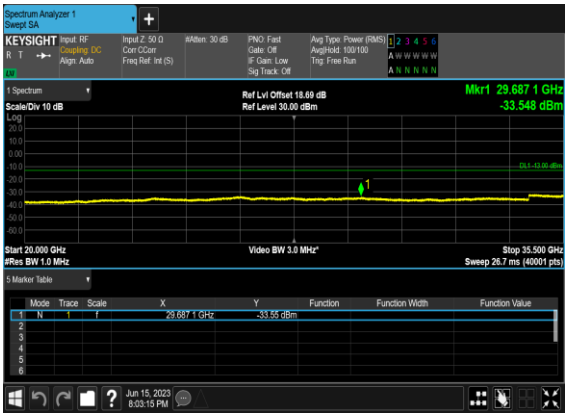
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

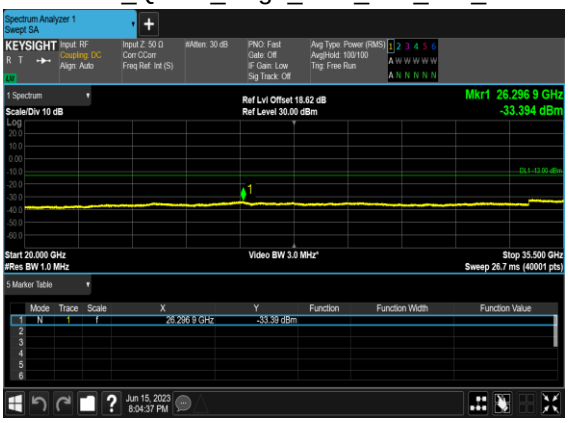


N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



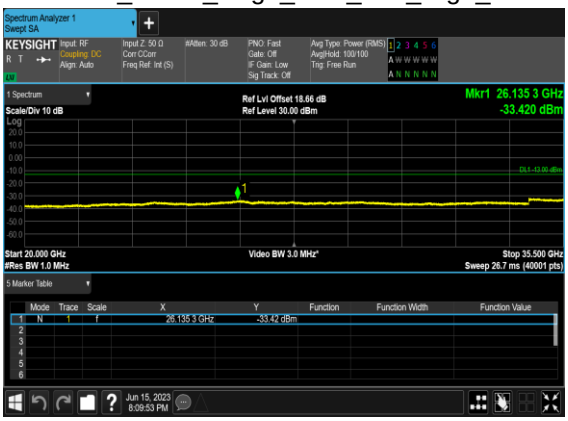
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

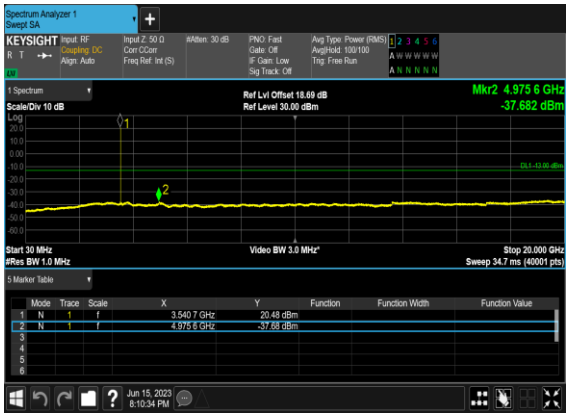


N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

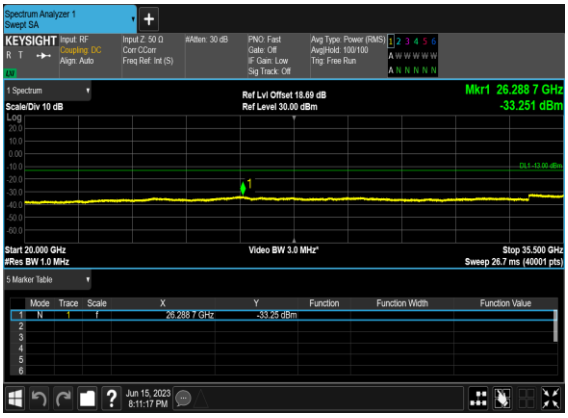
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

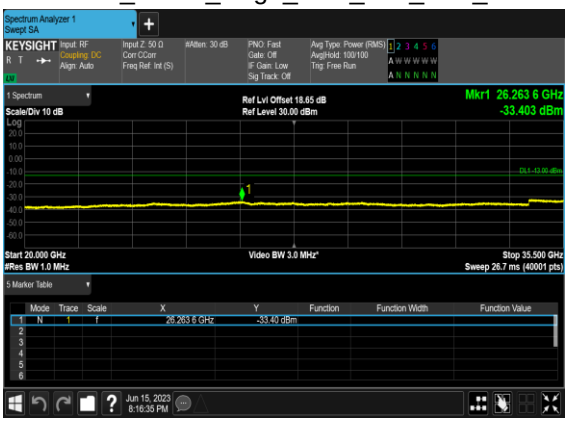


N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



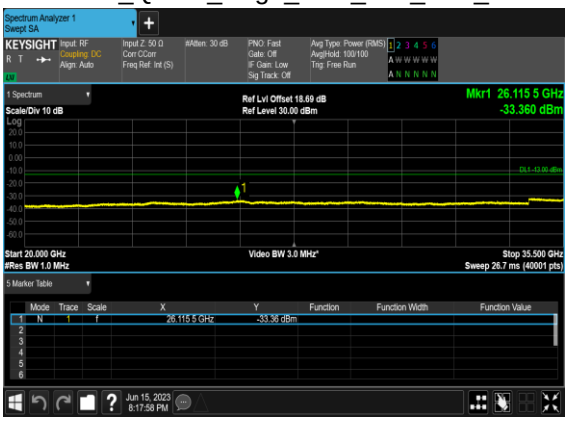
N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

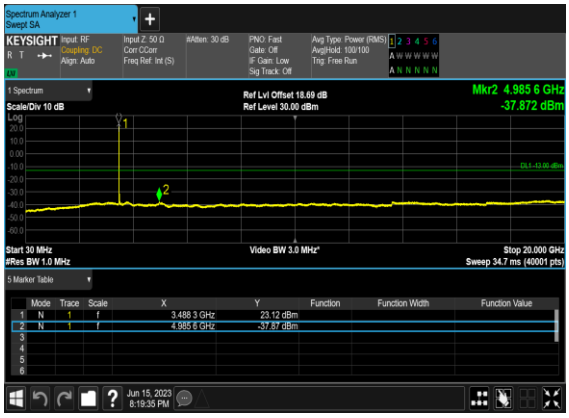


N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

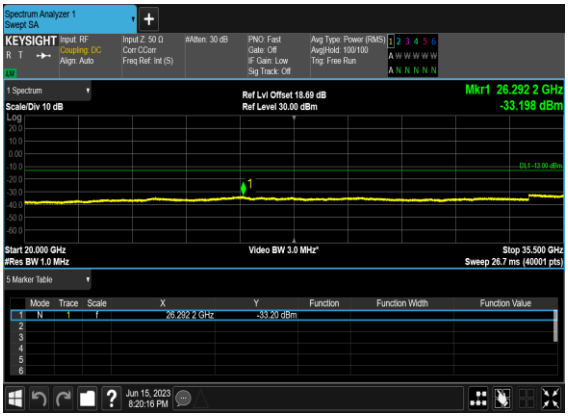
N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

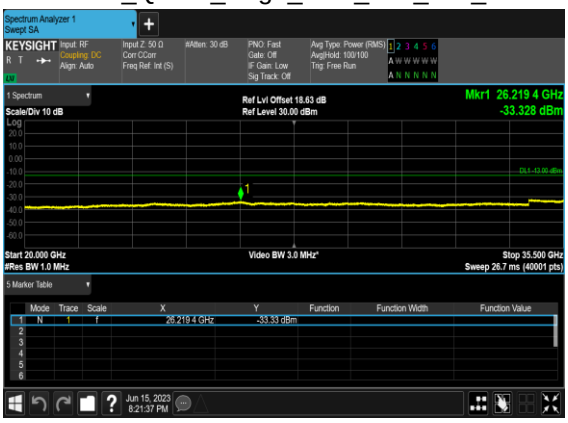


N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

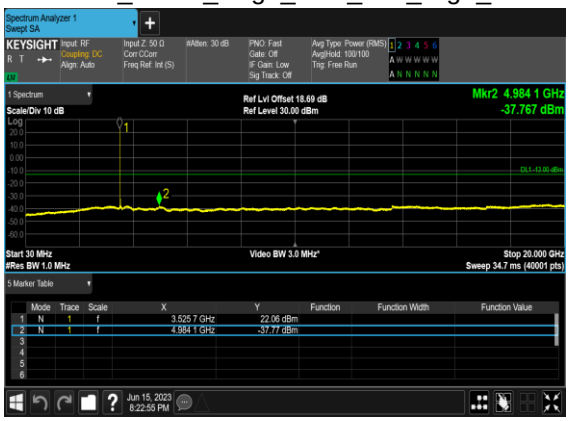


N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

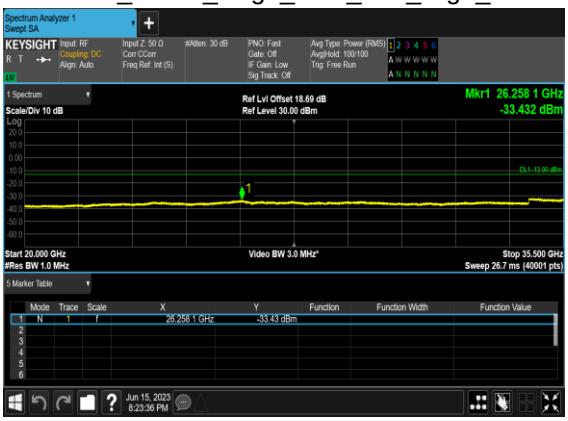
N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



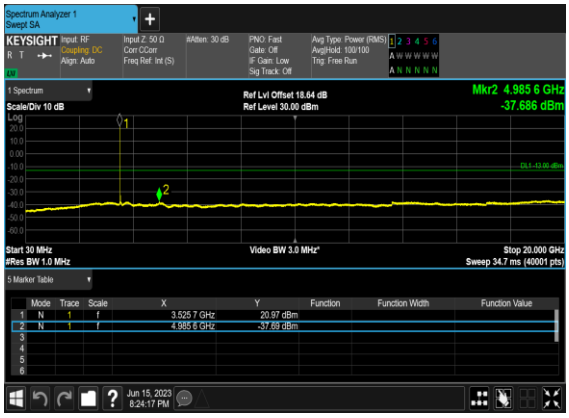
N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



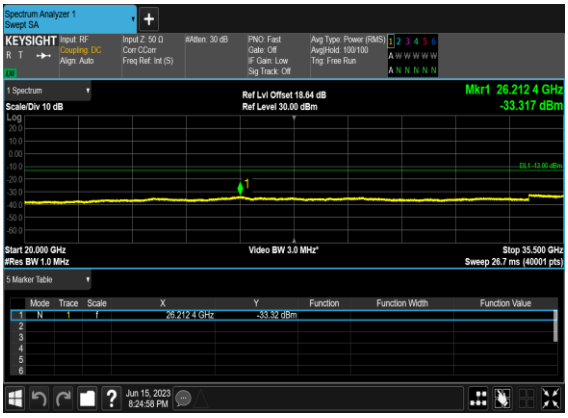
N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

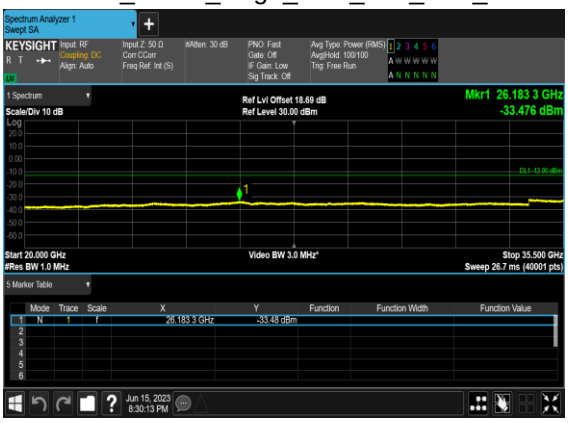


N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



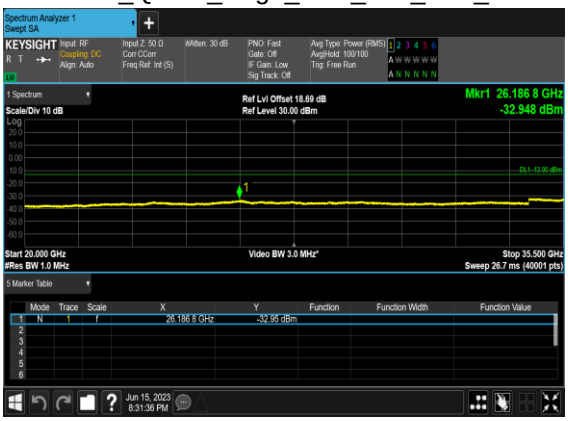
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

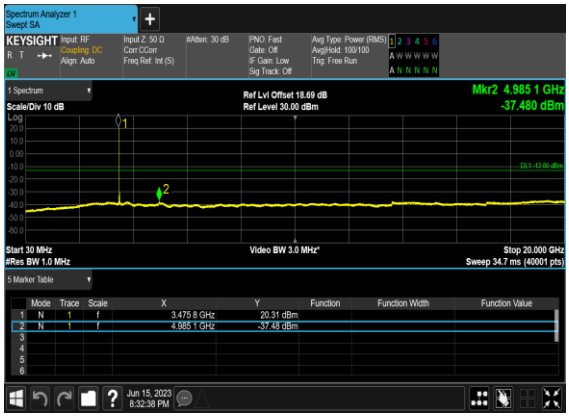


N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

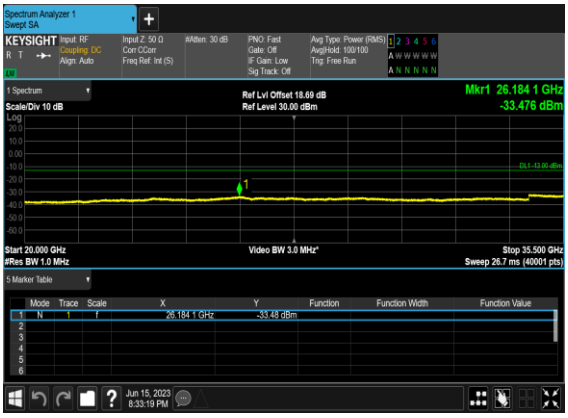
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

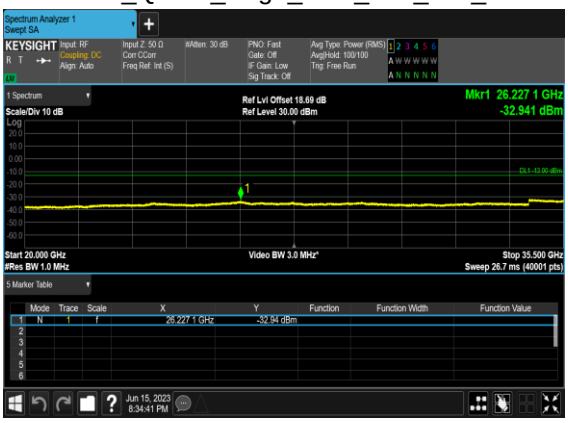


N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

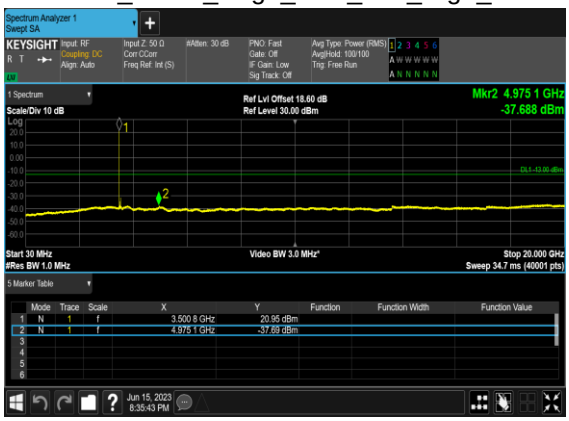


N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

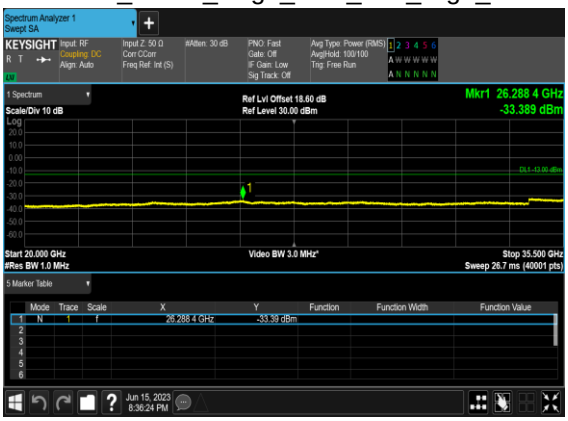
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



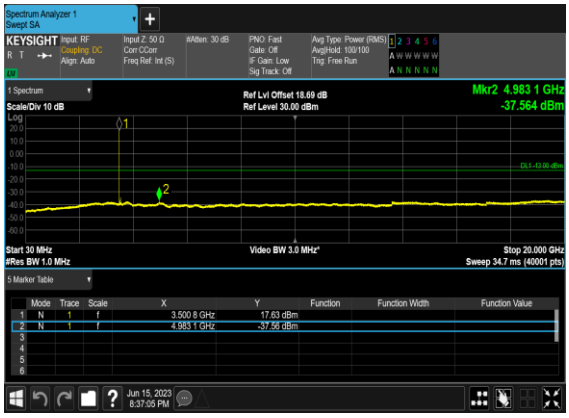
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



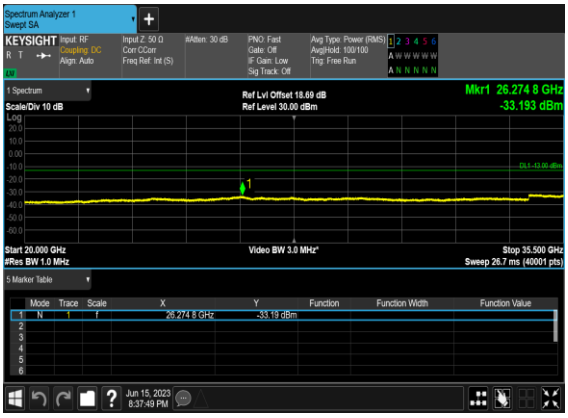
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



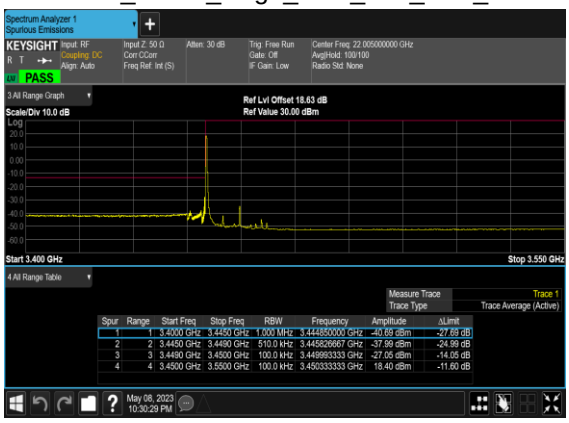
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



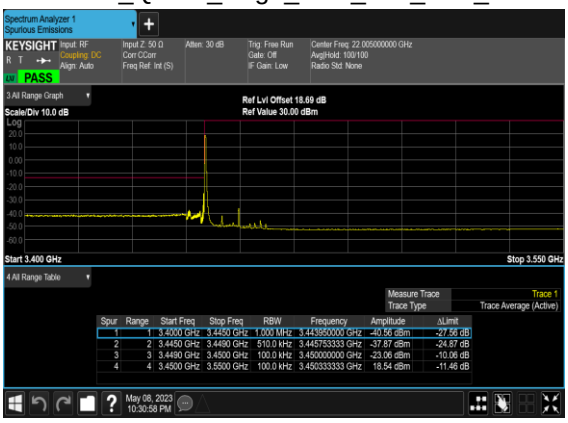
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	15	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	10	630334	3455.01	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
77	15	10	636333	3544.995	DFT-s-OFDM BPSK	1@51	see graph	**PASS**
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@51	see graph	**PASS**
77	15	10	636333	3544.995	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
77	15	25	630834	3462.51	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	25	630834	3462.51	DFT-s-OFDM BPSK	128@0	see graph	**PASS**
77	15	25	630834	3462.51	DFT-s-OFDM QPSK	128@0	see graph	**PASS**
77	15	25	635833	3537.495	DFT-s-OFDM BPSK	1@132	see graph	**PASS**
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@132	see graph	**PASS**
77	15	25	635833	3537.495	DFT-s-OFDM BPSK	128@0	see graph	**PASS**
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	128@0	see graph	**PASS**
77	15	50	631667	3475.005	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	50	631667	3475.005	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	270@0	see graph	**PASS**
77	15	50	635000	3525.0	DFT-s-OFDM BPSK	1@269	see graph	**PASS**
77	15	50	635000	3525.0	DFT-s-OFDM QPSK	1@269	see graph	**PASS**
77	15	50	635000	3525.0	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
77	15	50	635000	3525.0	DFT-s-OFDM QPSK	270@0	see graph	**PASS**

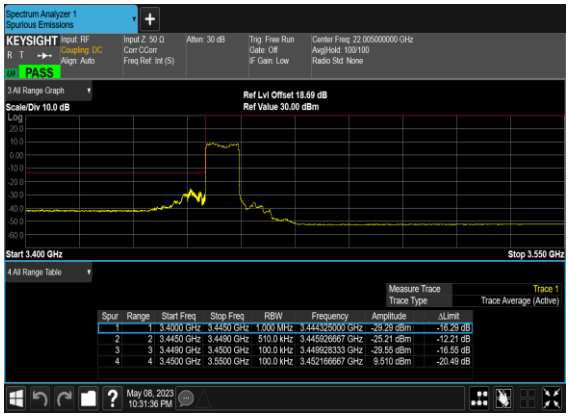
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



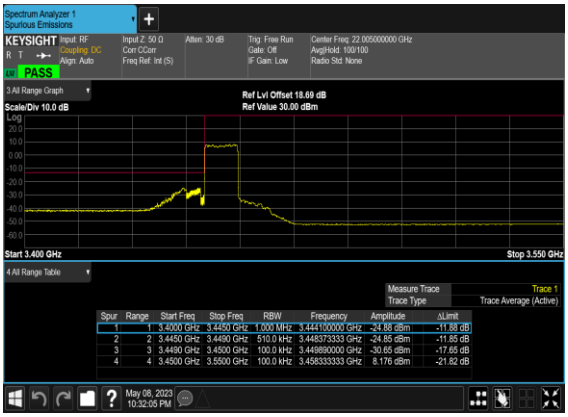
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



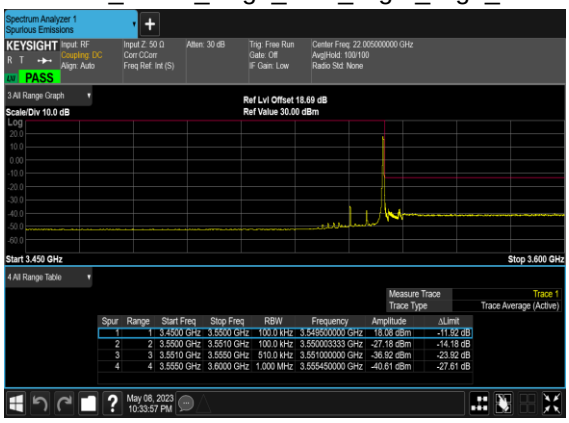
N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



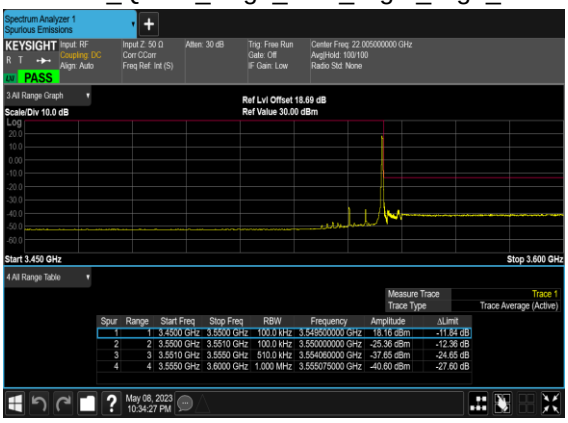
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



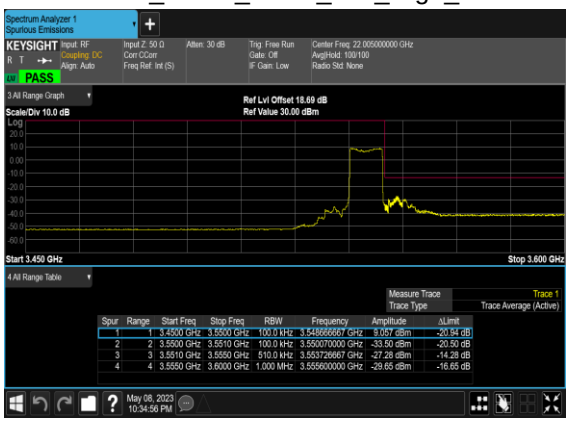
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

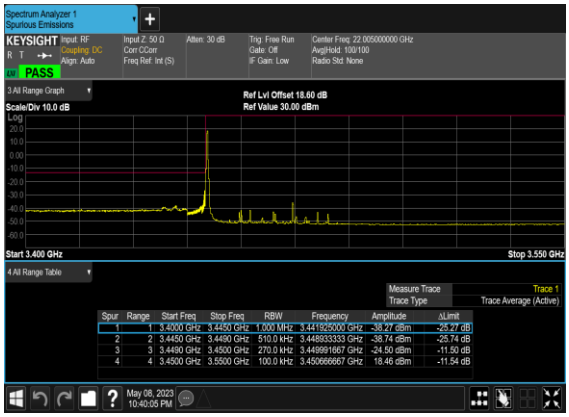


N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

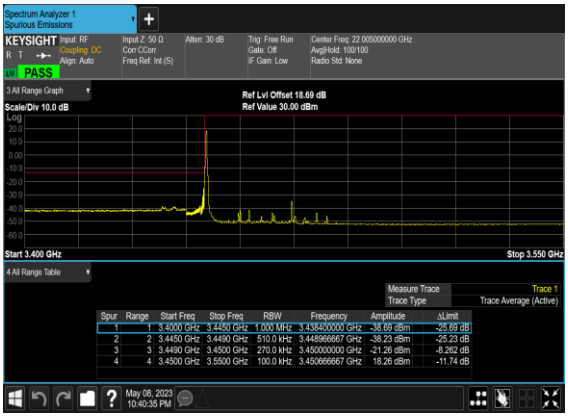


N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

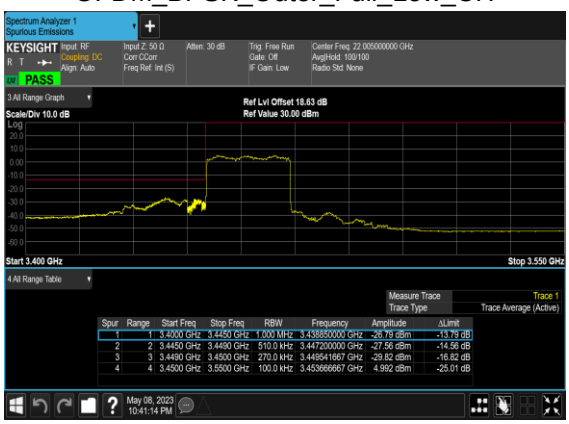
N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



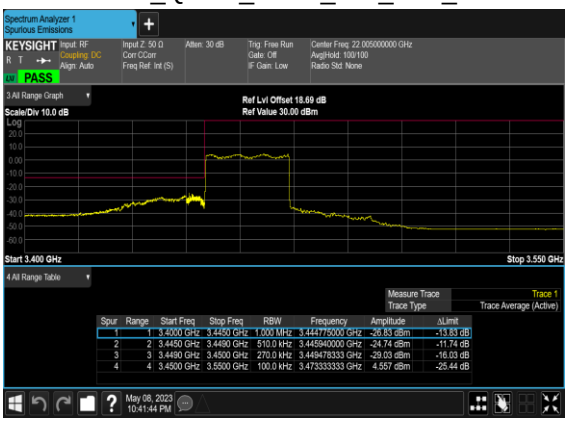
N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



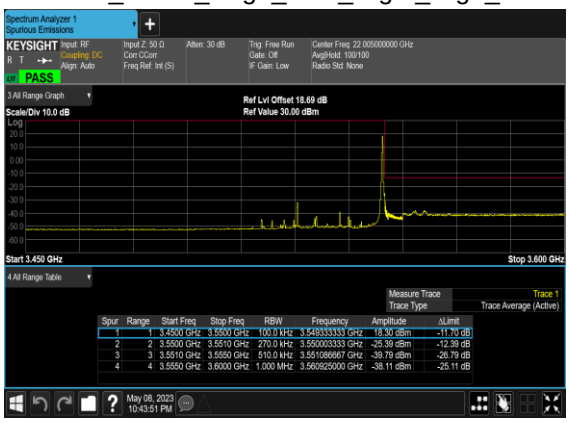
N77(25M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



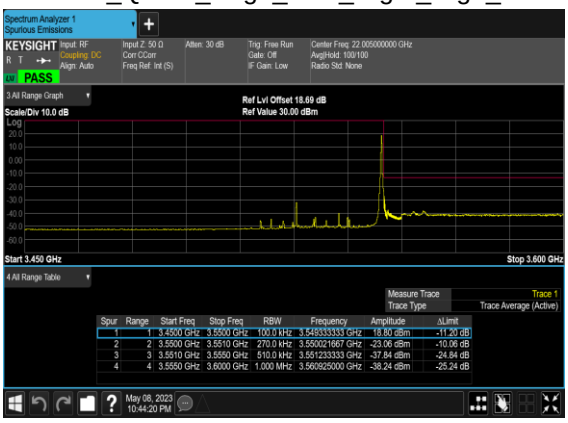
N77(25M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



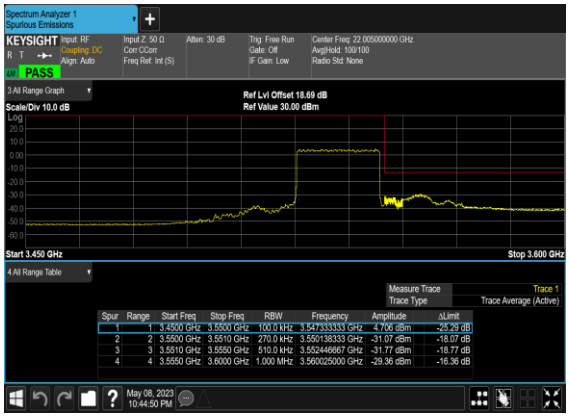
N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

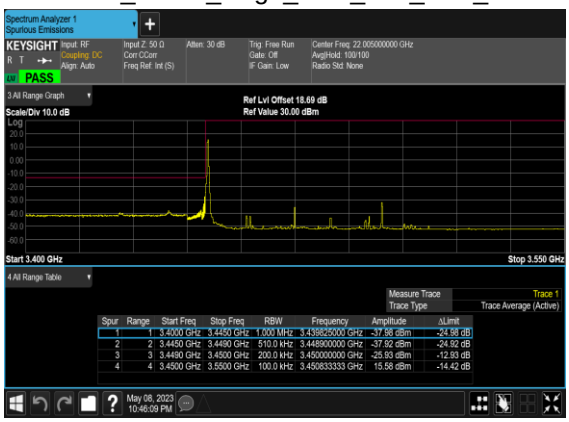


N77(25M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

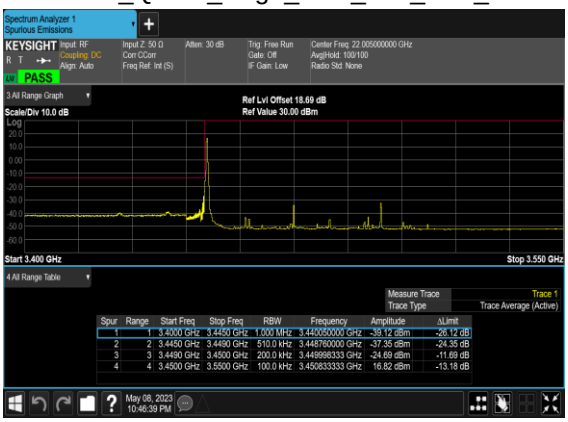


N77(25M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

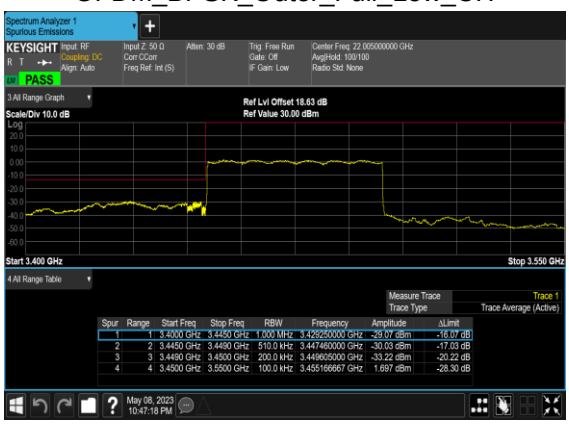
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



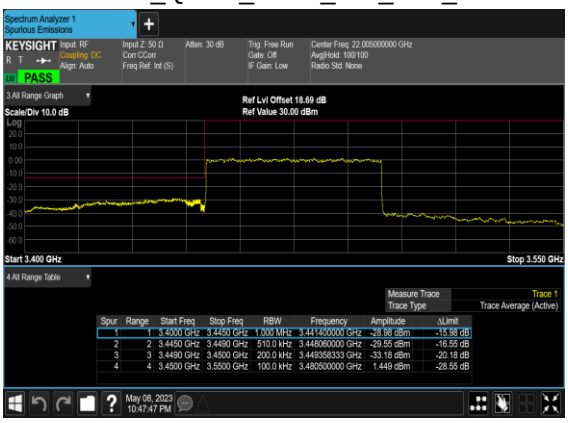
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



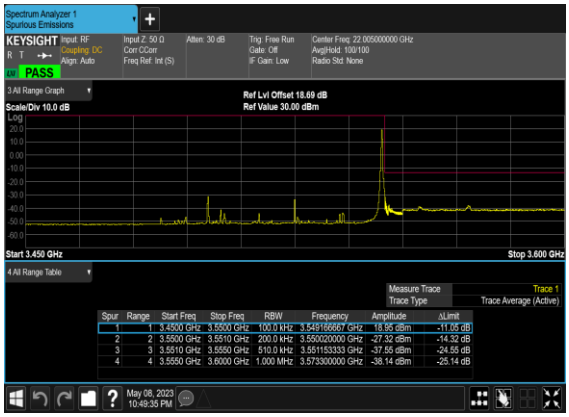
N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



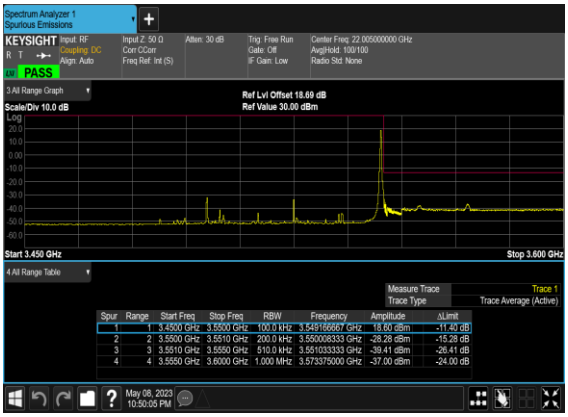
N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



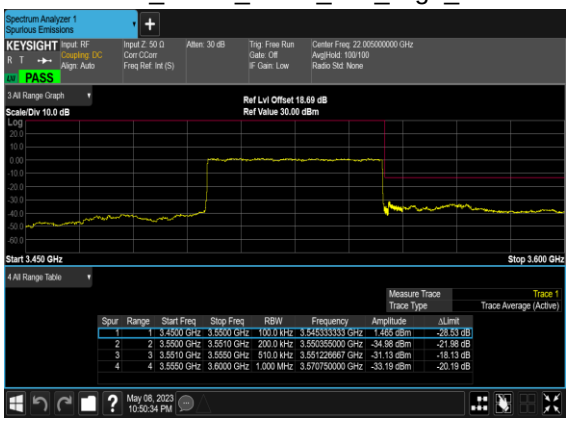
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



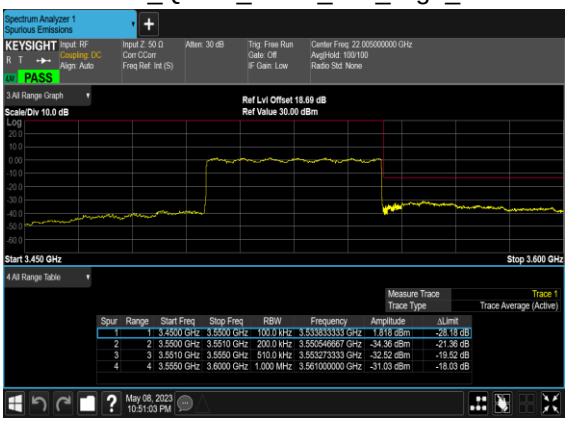
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 23.04.2801

FR1 N77 (MIMO-ANT0+1) – SCS 30kHz

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=18.01dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	ANT0 Power(dBm)	ANT1 Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	25.58	26.17	28.90	46.91	49.0908
77	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	24.54	25.16	27.87	45.88	38.7258
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.61	26.21	28.93	46.94	49.4311
77	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.62	25.23	27.95	45.96	39.4457
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	25.75	26.11	28.94	46.95	49.5450
77	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	24.71	25.1	27.92	45.93	39.1742
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	25.6	26.23	28.94	46.95	49.5450
77	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	24.55	25.22	27.91	45.92	39.0841
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.65	26.18	28.93	46.94	49.4311
77	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.65	25.23	27.96	45.97	39.5367
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	25.73	26.14	28.95	46.96	49.6592
77	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	24.71	25.13	27.94	45.95	39.3550
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	25.6	26.23	28.94	46.95	49.5450
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	24.58	25.26	27.94	45.95	39.3550
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.7	26.28	29.01	47.02	50.3501
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.66	25.22	27.96	45.97	39.5367
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	25.56	26.18	28.89	46.9	48.9779
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	24.74	25.2	27.99	46	39.8107
77	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	25.6	26.2	28.92	46.93	49.3174
77	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	24.54	25.21	27.90	45.91	38.9942

77	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.69	26.14	28.93	46.94	49.4311
77	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.61	25.09	27.87	45.88	38.7258
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@1	25.72	26.1	28.92	46.93	49.3174
77	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@1	24.69	25.14	27.93	45.94	39.2645
77	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	25.62	26.16	28.91	46.92	49.2040
77	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	24.64	25.23	27.96	45.97	39.5367
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.76	25.24	28.52	46.53	44.9780
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.69	25.17	27.95	45.96	39.4457
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	25.69	26.25	28.99	47	50.1187
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	24.71	25.25	28.00	46.01	39.9025
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	25.65	26.13	28.91	46.92	49.2040
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	24.67	25.28	28.00	46.01	39.9025
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.26	26.28	28.81	46.82	48.0839
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.67	25.12	27.91	45.92	39.0841
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	25.67	26.25	28.98	46.99	50.0035
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	24.59	25.27	27.95	45.96	39.4457
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	25.73	26.25	29.01	47.02	50.3501
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	24.67	25.23	27.97	45.98	39.6278
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.75	26.22	29.00	47.01	50.2343
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.64	25.17	27.92	45.93	39.1742
77	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	25.75	26.33	29.06	47.07	50.9331
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	24.67	25.31	28.01	46.02	39.9945
77	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	25.62	26.22	28.94	46.95	49.5450
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	24.6	25.18	27.91	45.92	39.0841

77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.71	26.23	28.99	47	50.1187
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.8	25.29	28.06	46.07	40.4576
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	25.71	26.21	28.98	46.99	50.0035
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	24.66	25.21	27.95	45.96	39.4457
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	25.67	26.32	29.02	47.03	50.4661
77	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	24.63	25.25	27.96	45.97	39.5367
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.78	26.42	29.12	47.13	51.6416
77	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.7	25.3	28.02	46.03	40.0867
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	25.73	26.27	29.02	47.03	50.4661
77	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	24.72	25.28	28.02	46.03	40.0867
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	25.67	26.47	29.10	47.11	51.4044
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	24.62	25.32	27.99	46	39.8107
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.79	26.33	29.08	47.09	51.1682
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.7	25.3	28.02	46.03	40.0867
77	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	25.74	26.22	29.00	47.01	50.2343
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	24.72	25.34	28.05	46.06	40.3645
77	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	25.57	26.28	28.95	46.96	49.6592
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	24.62	25.3	27.98	45.99	39.7192
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.69	26.32	29.03	47.04	50.5825
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.62	25.32	27.99	46	39.8107
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	25.75	26.36	29.08	47.09	51.1682
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	24.74	25.39	28.09	46.1	40.7380
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	25.67	26.14	28.92	46.93	49.3174
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.93	26.43	29.20	47.21	52.6017

77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	25.44	25.62	28.54	46.55	45.1856
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	25.68	26.18	28.95	46.96	49.6592
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.83	26.37	29.12	47.13	51.6416
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	25.39	25.63	28.52	46.53	44.9780
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	24.68	25.17	27.94	45.95	39.3550
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.63	25.37	28.03	46.04	40.1791
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	24.39	24.6	27.51	45.52	35.6451
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	22.7	23.19	25.96	43.97	24.9459
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.82	23.59	26.23	44.24	26.5461
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	22.63	22.84	25.75	43.76	23.7684
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	20.43	21.13	23.80	41.81	15.1705
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.46	21.19	23.85	41.86	15.3462
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	20.18	20.37	23.29	41.3	13.4896
77	30	100	633334	3500.01	CP-OFDM QPSK	137@68	24.23	24.6	27.43	45.44	34.9945
77	30	100	633334	3500.01	CP-OFDM QPSK	1@1	24.2	24.91	27.58	45.59	36.2243
77	30	100	633334	3500.01	CP-OFDM QPSK	1@271	23.84	24.06	26.96	44.97	31.4051

FR1 N77 (MIMO-ANT0) – SCS 30kHz

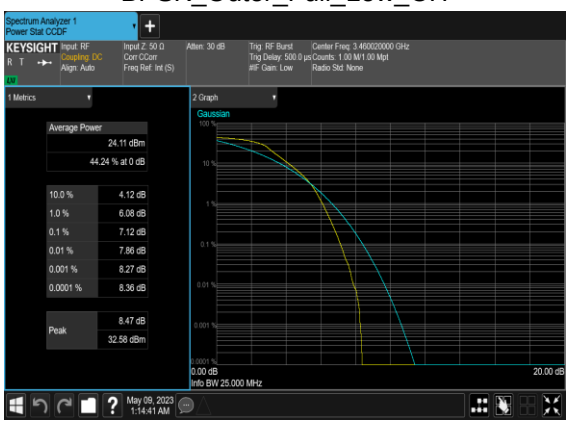
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0038	**PASS**	NV
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0050	**PASS**	LV
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0030	**PASS**	HV
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0054	**PASS**	-30℃
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0020	**PASS**	-20℃
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0025	**PASS**	-10℃
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0054	**PASS**	0℃
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0032	**PASS**	10℃
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0038	**PASS**	20℃
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0026	**PASS**	30℃
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0066	**PASS**	40℃
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0070	**PASS**	50℃

Peak to Average Ratio

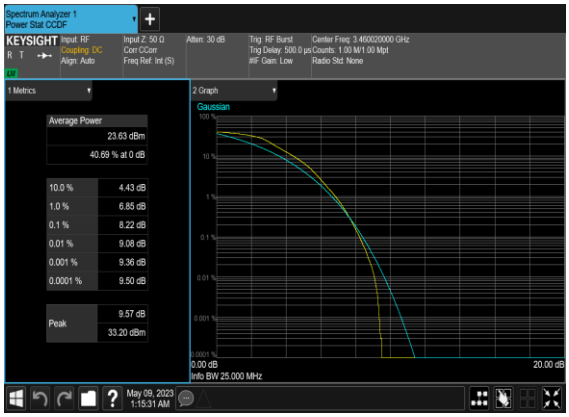
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	50@0	7.12	13	**PASS**
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@0	7.18	13	**PASS**
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	50@0	8.22	13	**PASS**
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	8.04	13	**PASS**
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	7.13	13	**PASS**
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@0	7.23	13	**PASS**
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	8.26	13	**PASS**
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	8.03	13	**PASS**
77	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	50@0	7.14	13	**PASS**
77	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	1@0	7.16	13	**PASS**
77	30	20	636000	3540.0	DFT-s-OFDM QPSK	50@0	8.3	13	**PASS**
77	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	7.87	13	**PASS**

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

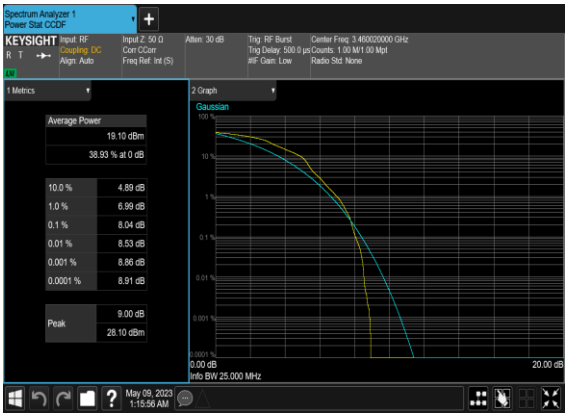


N77(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH

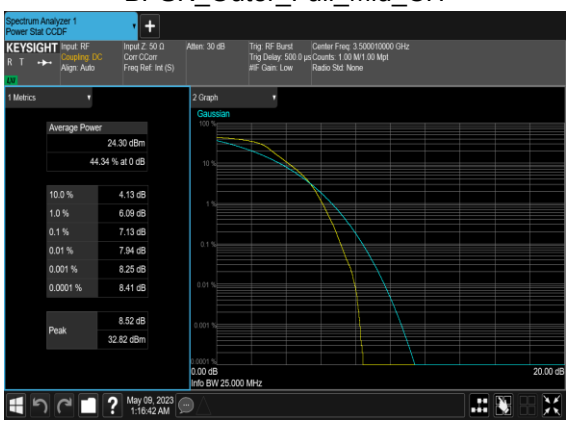
N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



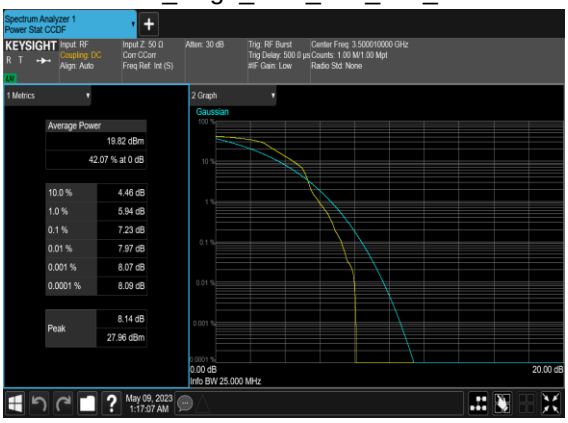
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



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



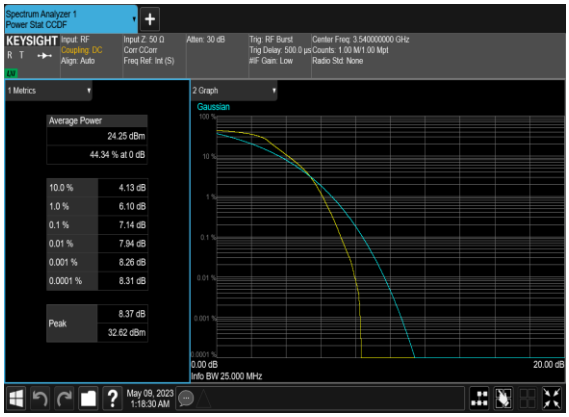
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



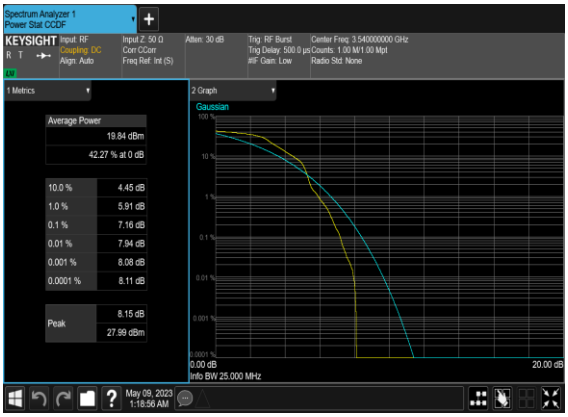
N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

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



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



N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

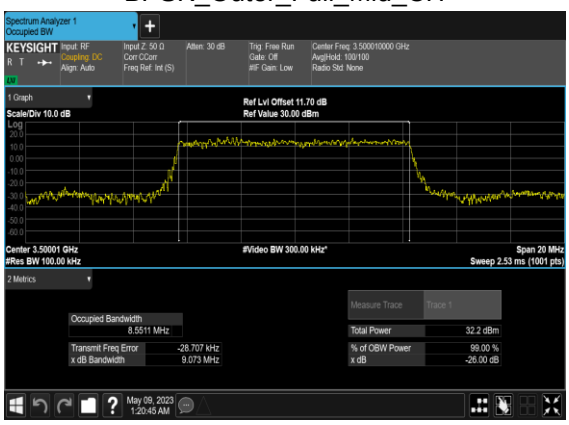
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
77	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	24@0	8.5511	9.073
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	24@0	8.5442	9.846
77	30	10	633334	3500.01	CP-OFDM QPSK	24@0	8.5722	9.272
77	30	10	633334	3500.01	CP-OFDM 16 QAM	24@0	8.5878	9.203
77	30	10	633334	3500.01	CP-OFDM 64 QAM	24@0	8.5475	9.22
77	30	10	633334	3500.01	CP-OFDM 256 QAM	24@0	8.567	9.206
77	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@0	12.853	13.65
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	36@0	12.843	13.68
77	30	15	633334	3500.01	CP-OFDM QPSK	38@0	13.56	14.37
77	30	15	633334	3500.01	CP-OFDM 16 QAM	38@0	13.538	14.28
77	30	15	633334	3500.01	CP-OFDM 64 QAM	38@0	13.512	14.2
77	30	15	633334	3500.01	CP-OFDM 256 QAM	38@0	13.549	14.26
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	17.764	18.51
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	17.798	18.65
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18.222	19.01
77	30	20	633334	3500.01	CP-OFDM 16 QAM	51@0	18.199	19.11
77	30	20	633334	3500.01	CP-OFDM 64 QAM	51@0	18.253	18.99
77	30	20	633334	3500.01	CP-OFDM 256 QAM	51@0	18.159	18.96
77	30	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@0	22.78	23.77
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	64@0	22.77	23.84
77	30	25	633334	3500.01	CP-OFDM QPSK	65@0	23.144	24.01
77	30	25	633334	3500.01	CP-OFDM 16 QAM	65@0	23.192	23.93
77	30	25	633334	3500.01	CP-OFDM 64 QAM	65@0	23.143	24.01
77	30	25	633334	3500.01	CP-OFDM 256 QAM	65@0	23.122	24.18
77	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	75@0	26.793	27.81

77	30	30	633334	3500.01	DFT-s-OFDM QPSK	75@0	26.774	27.65
77	30	30	633334	3500.01	CP-OFDM QPSK	78@0	27.789	28.8
77	30	30	633334	3500.01	CP-OFDM 16 QAM	78@0	27.854	28.86
77	30	30	633334	3500.01	CP-OFDM 64 QAM	78@0	27.916	29.05
77	30	30	633334	3500.01	CP-OFDM 256 QAM	78@0	27.801	29.05
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	100@0	35.713	37.09
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	100@0	35.662	37.26
77	30	40	633334	3500.01	CP-OFDM QPSK	106@0	37.754	39.25
77	30	40	633334	3500.01	CP-OFDM 16 QAM	106@0	37.735	39.32
77	30	40	633334	3500.01	CP-OFDM 64 QAM	106@0	37.864	39.42
77	30	40	633334	3500.01	CP-OFDM 256 QAM	106@0	37.919	39.16
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	128@0	45.823	47.38
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	128@0	45.714	47.36
77	30	50	633334	3500.01	CP-OFDM QPSK	133@0	47.535	48.95
77	30	50	633334	3500.01	CP-OFDM 16 QAM	133@0	47.523	49.1
77	30	50	633334	3500.01	CP-OFDM 64 QAM	133@0	47.529	49.09
77	30	50	633334	3500.01	CP-OFDM 256 QAM	133@0	47.454	49.08
77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	162@0	57.858	59.7
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	162@0	57.787	59.78
77	30	60	633334	3500.01	CP-OFDM QPSK	162@0	57.837	59.71
77	30	60	633334	3500.01	CP-OFDM 16 QAM	162@0	57.782	59.63
77	30	60	633334	3500.01	CP-OFDM 64 QAM	162@0	58.161	59.71
77	30	60	633334	3500.01	CP-OFDM 256 QAM	162@0	57.825	59.72
77	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	180@0	64.264	66.26
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	180@0	64.309	66.32
77	30	70	633334	3500.01	CP-OFDM QPSK	189@0	67.456	69.56
77	30	70	633334	3500.01	CP-OFDM 16 QAM	189@0	67.474	69.57

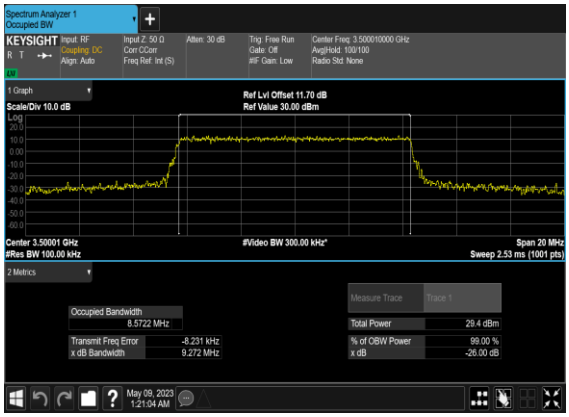
77	30	70	633334	3500.01	CP-OFDM 64 QAM	189@0	67.461	69.63
77	30	70	633334	3500.01	CP-OFDM 256 QAM	189@0	67.468	69.59
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	216@0	77.109	79.62
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	216@0	76.95	79.6
77	30	80	633334	3500.01	CP-OFDM QPSK	217@0	77.606	80.05
77	30	80	633334	3500.01	CP-OFDM 16 QAM	217@0	77.518	79.92
77	30	80	633334	3500.01	CP-OFDM 64 QAM	217@0	77.288	79.91
77	30	80	633334	3500.01	CP-OFDM 256 QAM	217@0	77.495	79.85
77	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	240@0	85.807	88.47
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	240@0	85.786	88.37
77	30	90	633334	3500.01	CP-OFDM QPSK	245@0	87.448	90.24
77	30	90	633334	3500.01	CP-OFDM 16 QAM	245@0	87.617	90.24
77	30	90	633334	3500.01	CP-OFDM 64 QAM	245@0	87.445	90.15
77	30	90	633334	3500.01	CP-OFDM 256 QAM	245@0	87.502	90.16
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	270@0	96.331	99.42
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	270@0	96.399	99.46
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	97.321	100.5
77	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	97.174	100.6
77	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	97.229	100.5
77	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	97.376	100.5

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

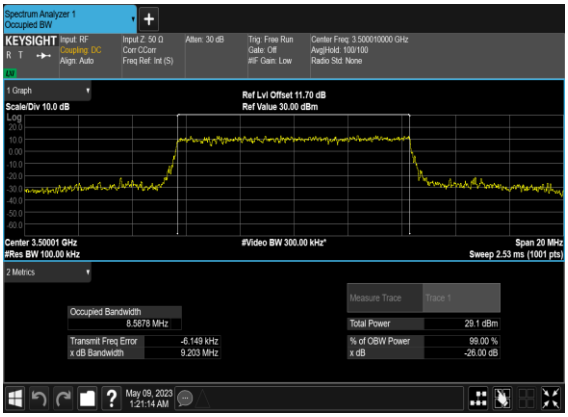


N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

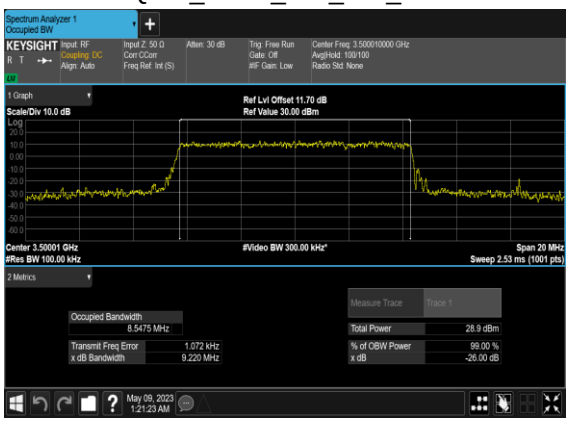
N77(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



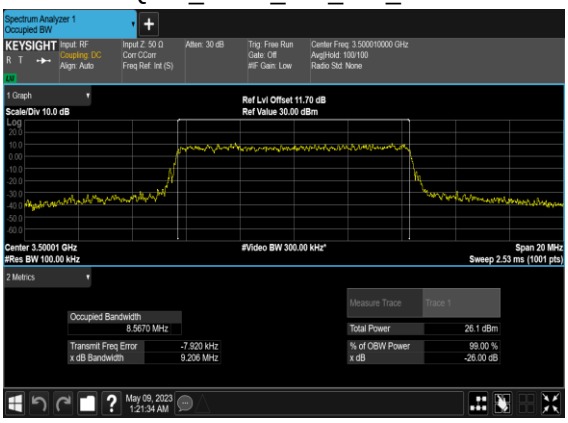
N77(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



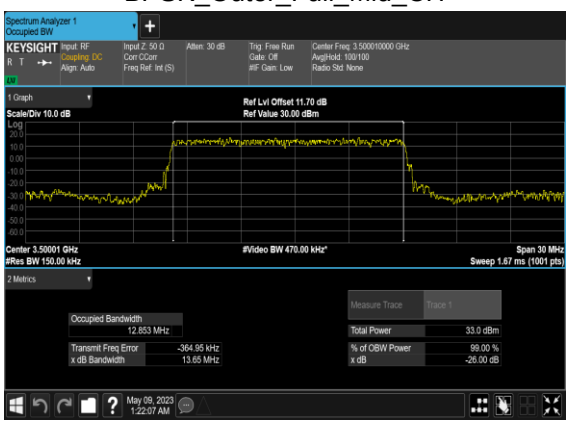
N77(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

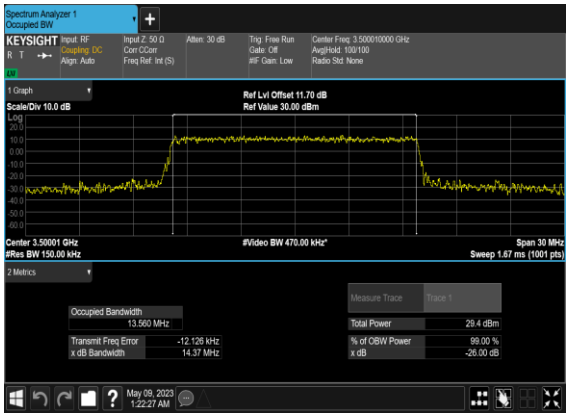


N77(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

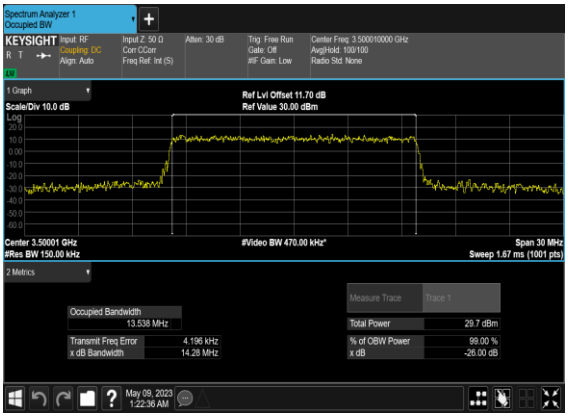


N77(15M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

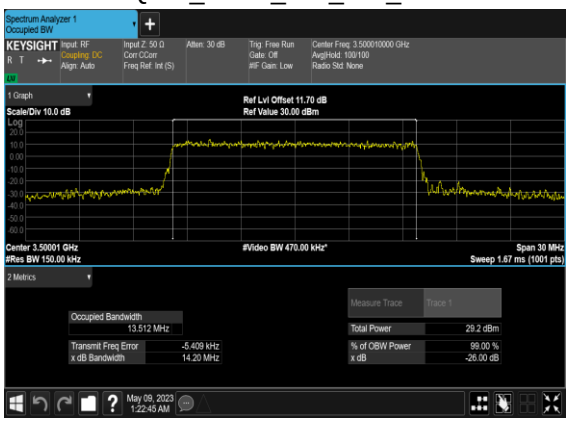
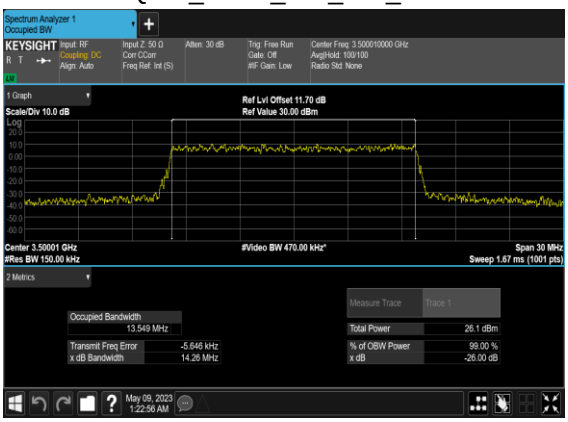
N77(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N77(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH