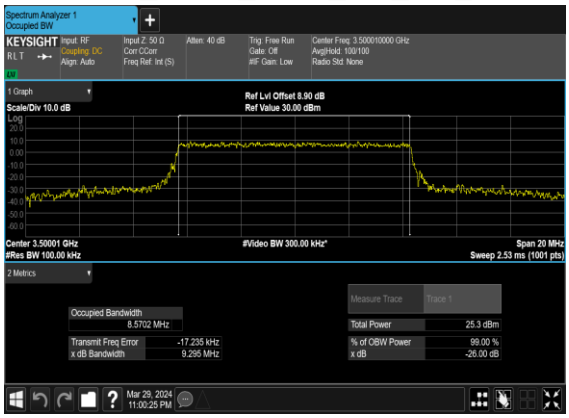
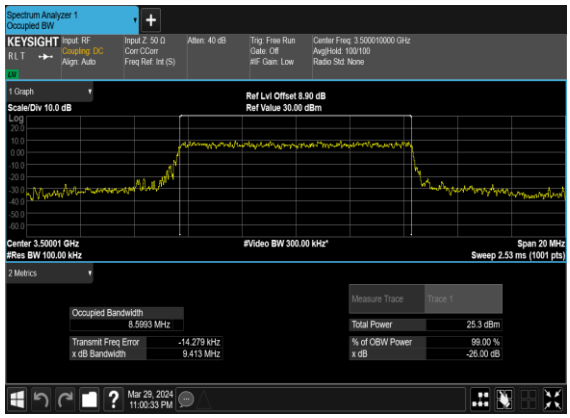
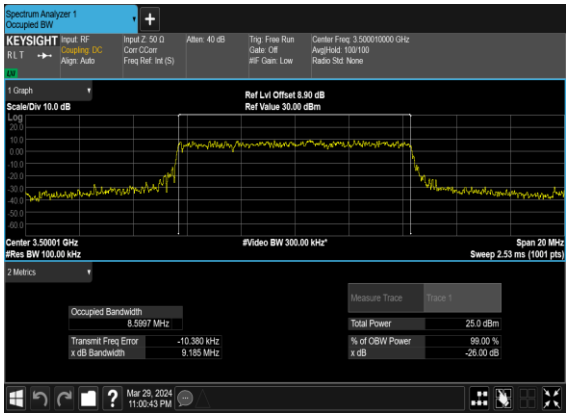
N77(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



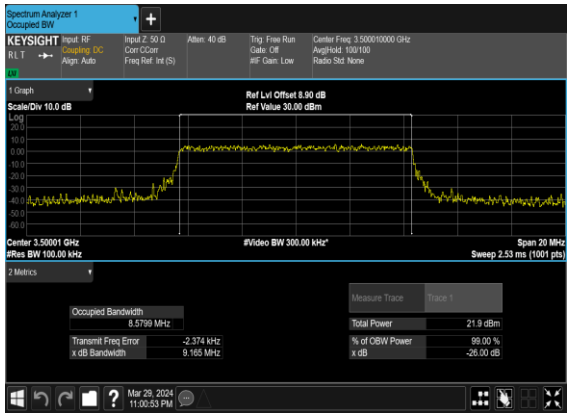
N77(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



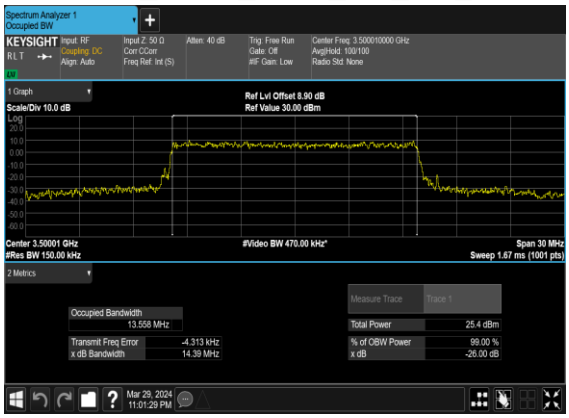
N77(10M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



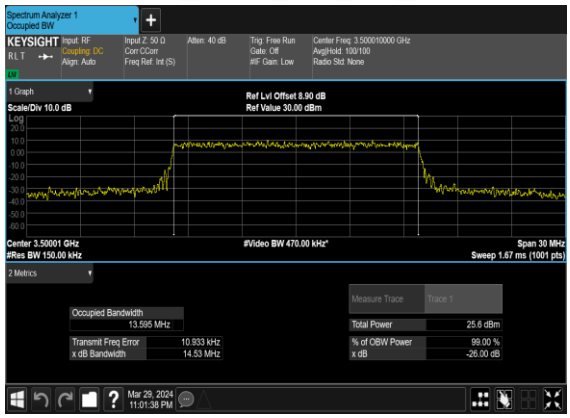
N77(10M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



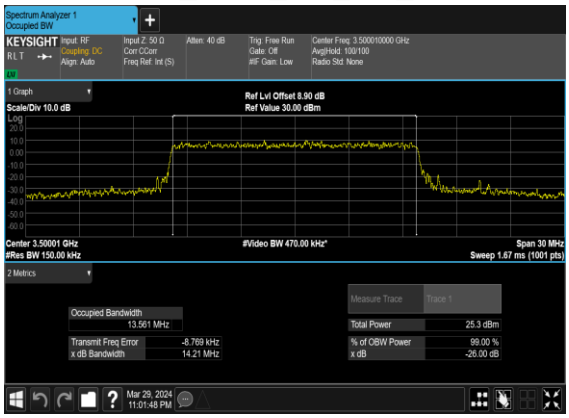
N77(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N77(15M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

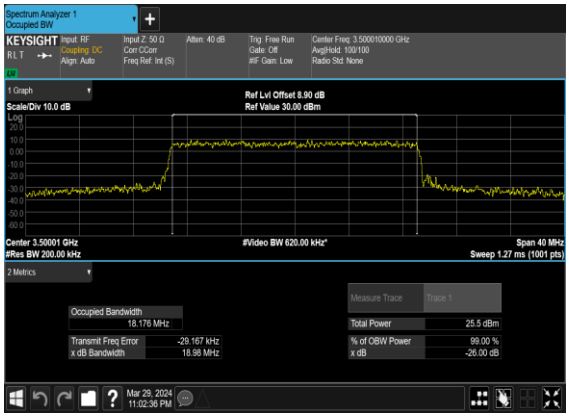


N77(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

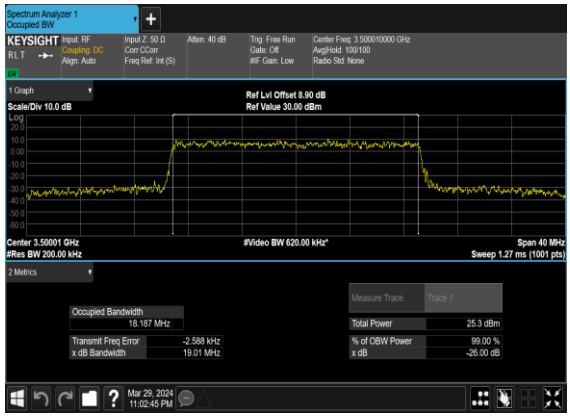


N77(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

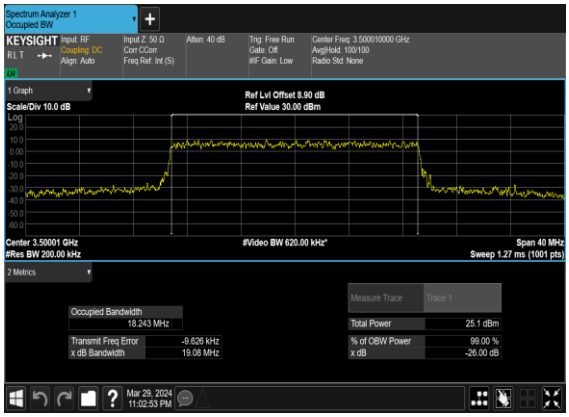
N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



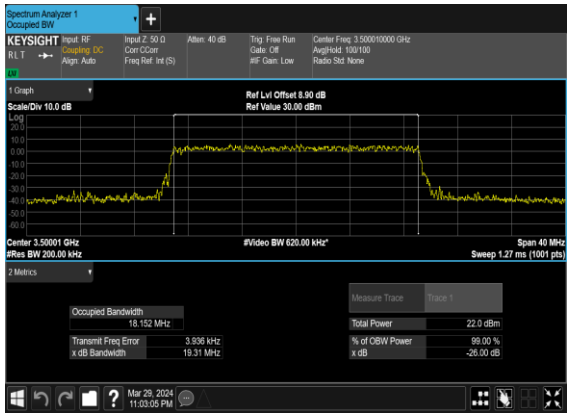
N77(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



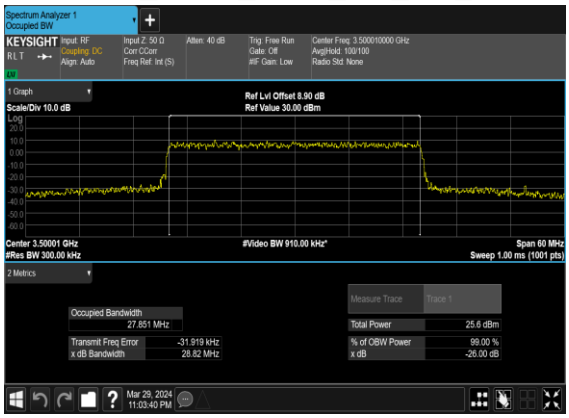
N77(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



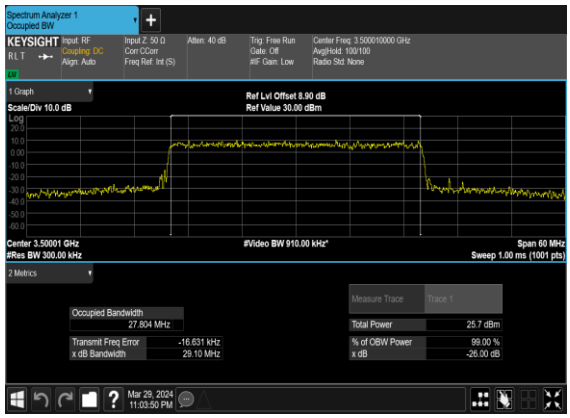
N77(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



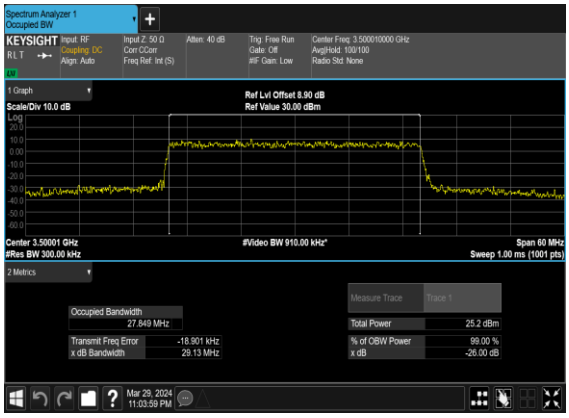
N77(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



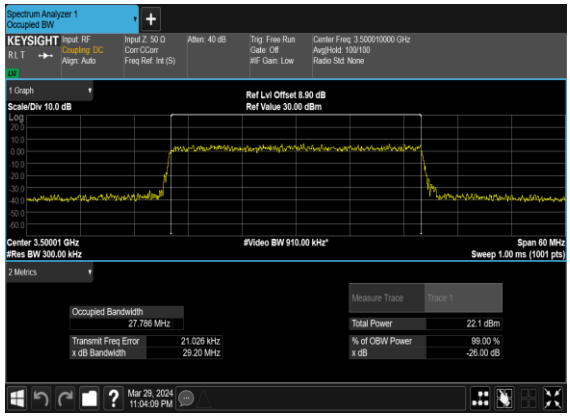
N77(30M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



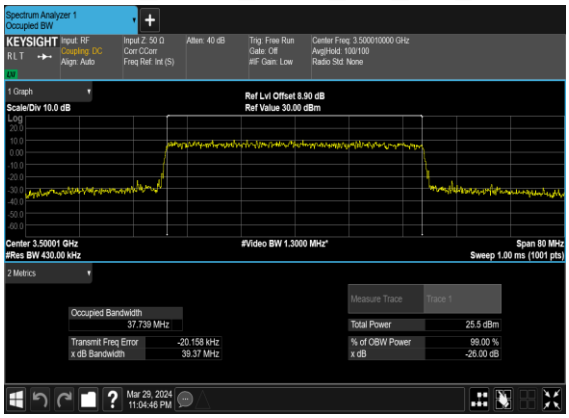
N77(30M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N77(30M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

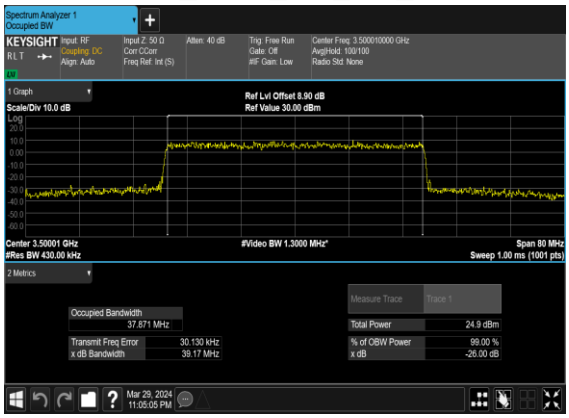


N77(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

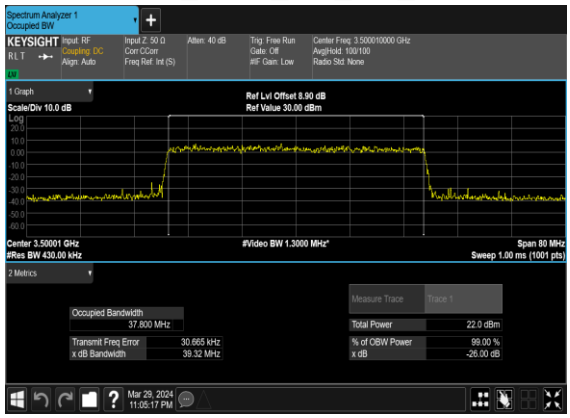


N77(40M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

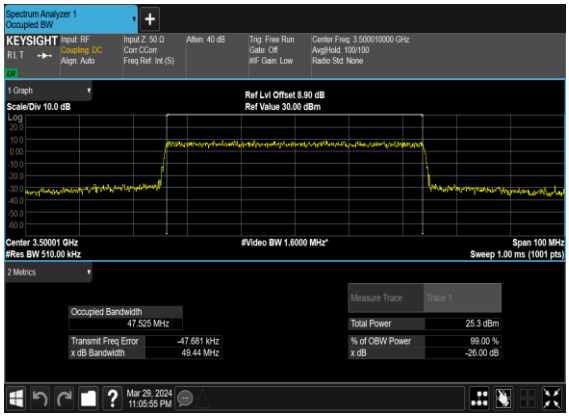
N77(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



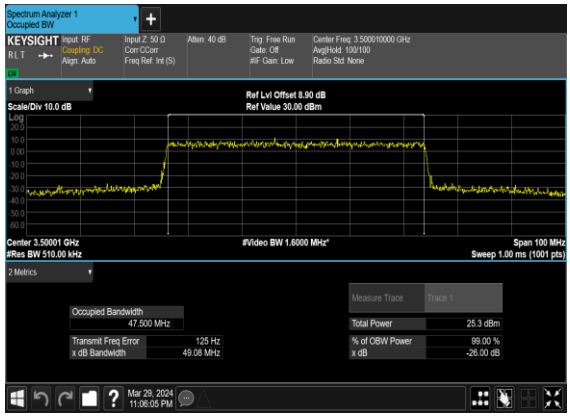
N77(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



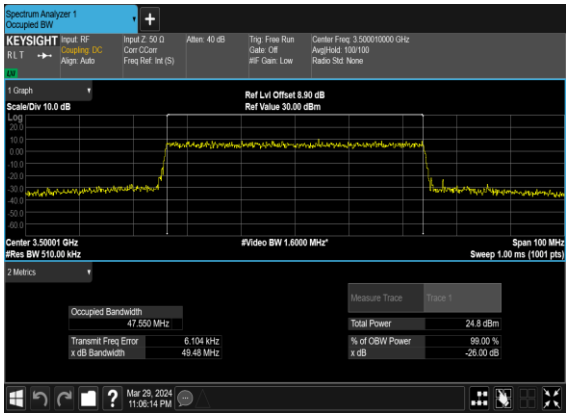
N77(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



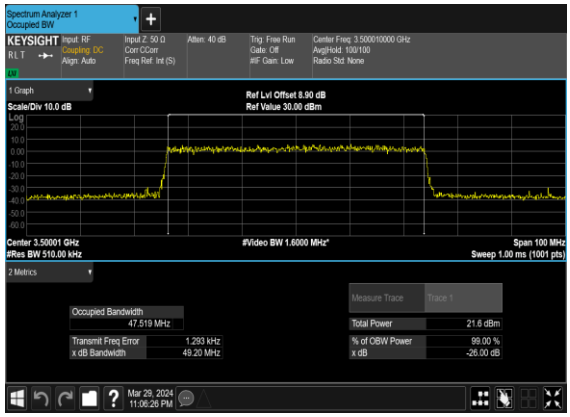
N77(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

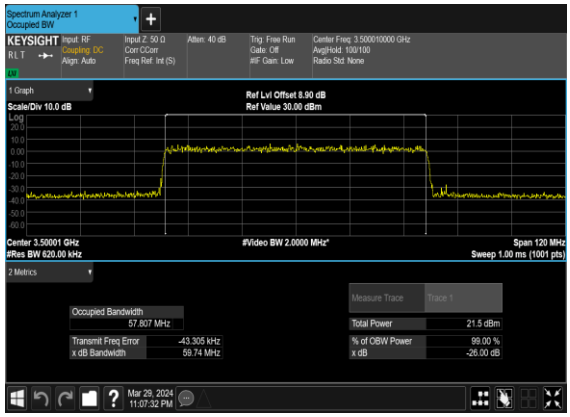


N77(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

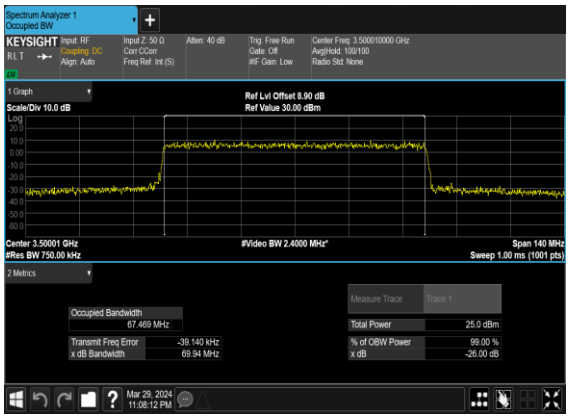
N77(60M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

N77(60M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

N77(60M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

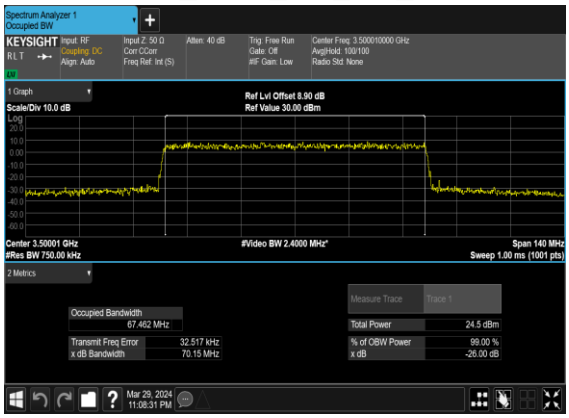


N77(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

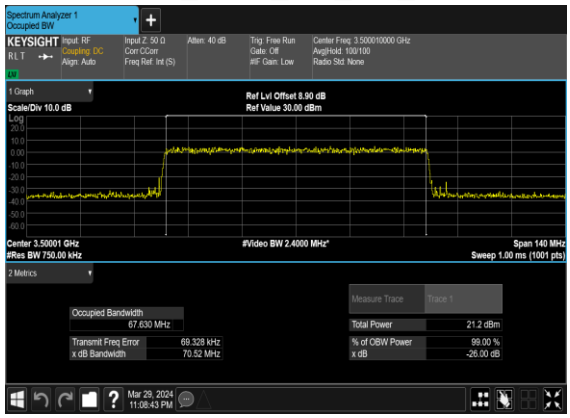


N77(70M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

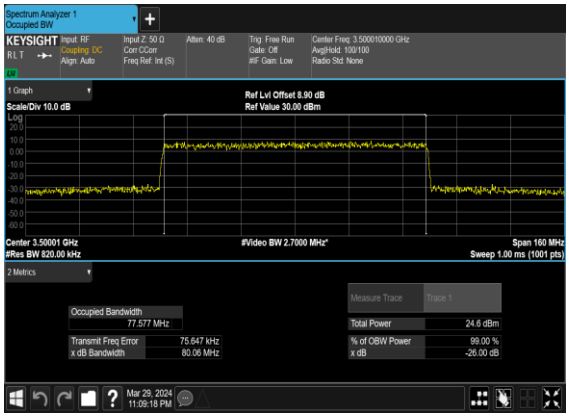
N77(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

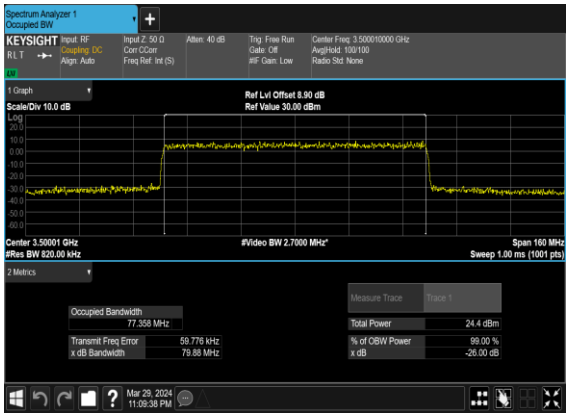


N77(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

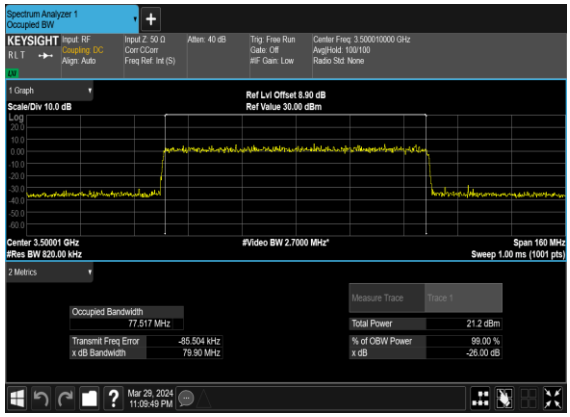


N77(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

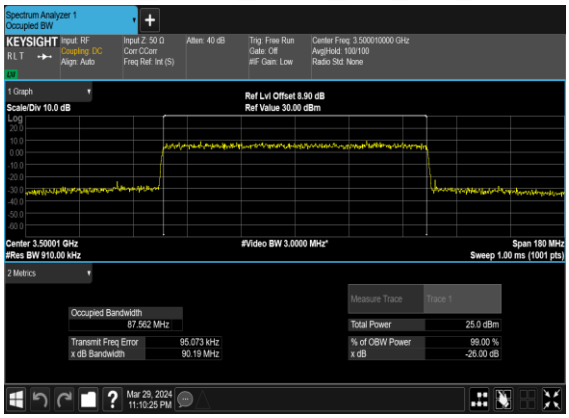
N77(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

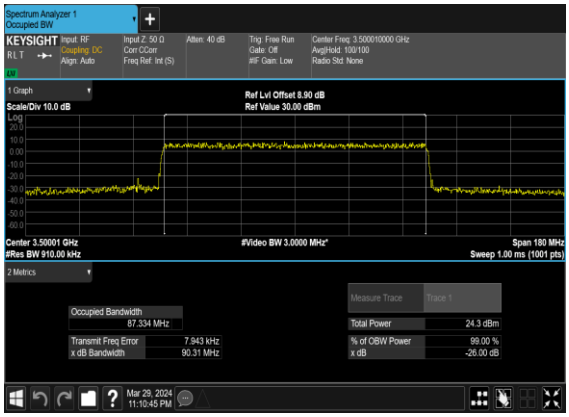


N77(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

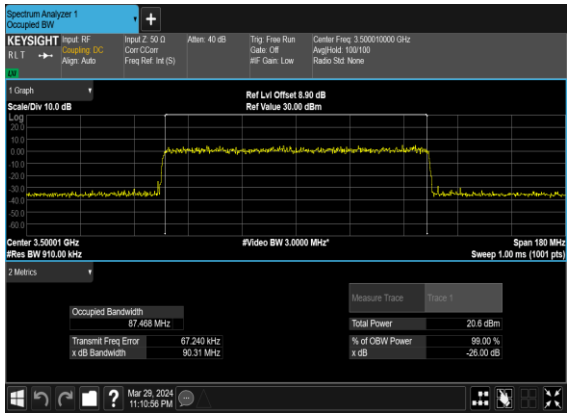


N77(90M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

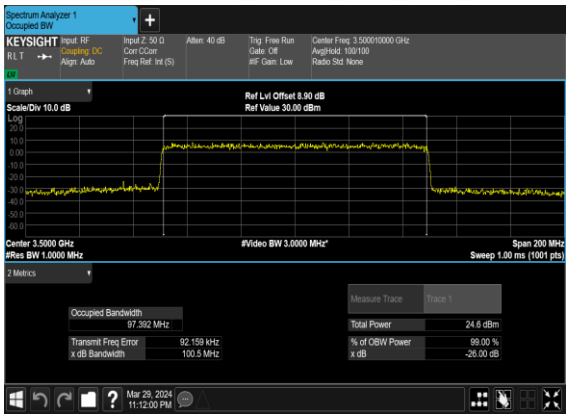
N77(90M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



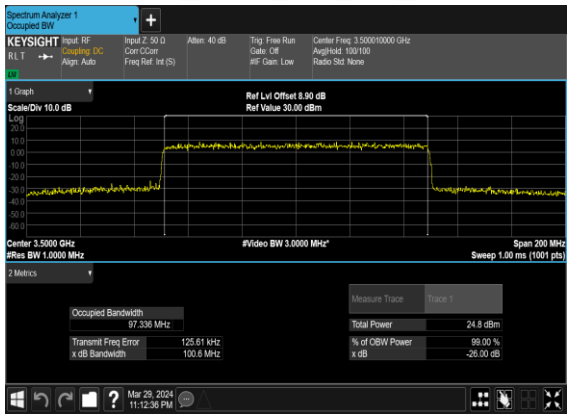
N77(90M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



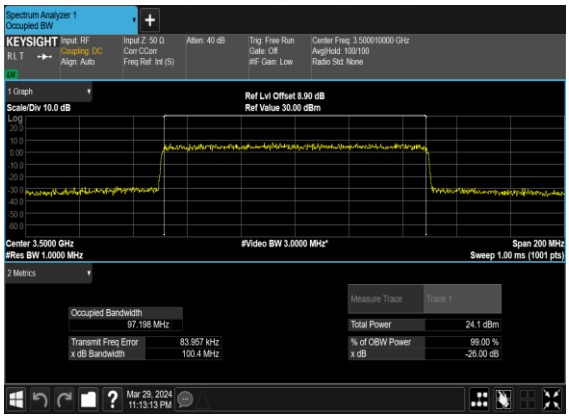
N77(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



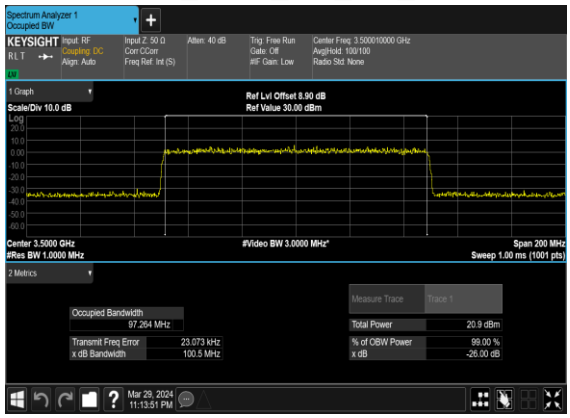
N77(100M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



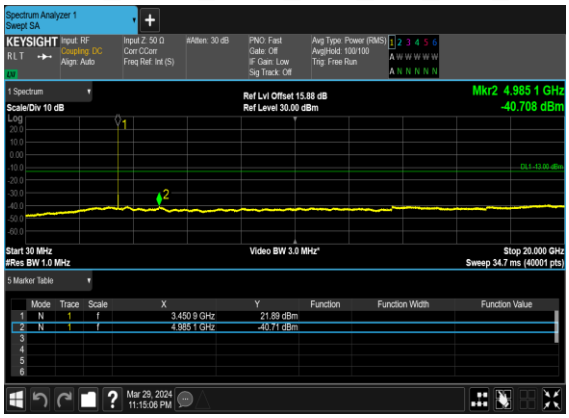
N77(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



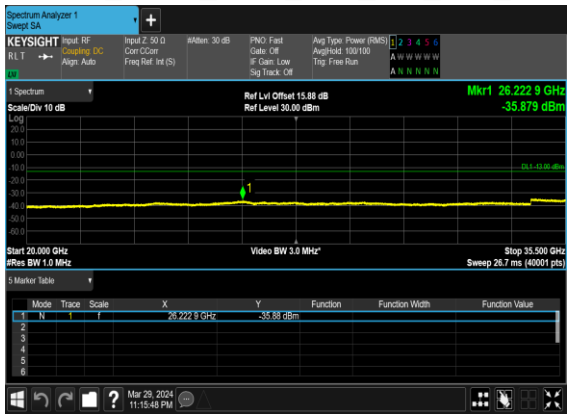
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

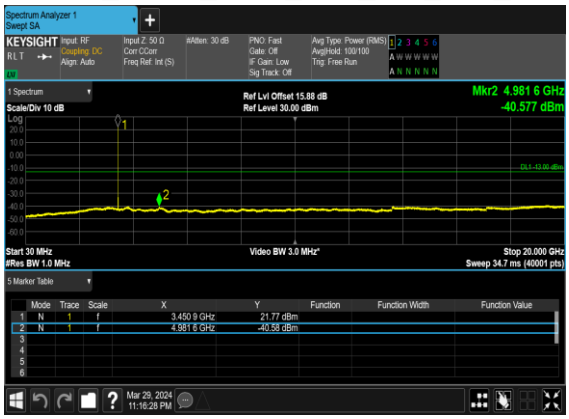
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



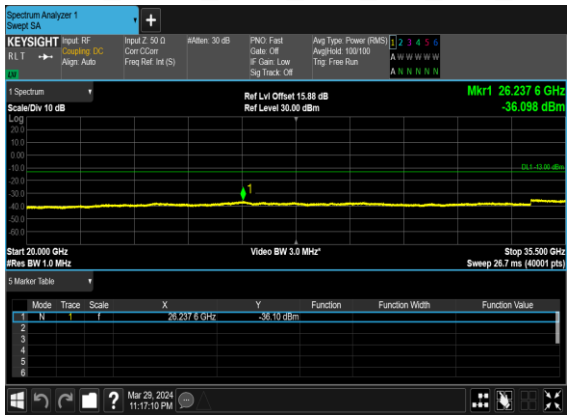
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



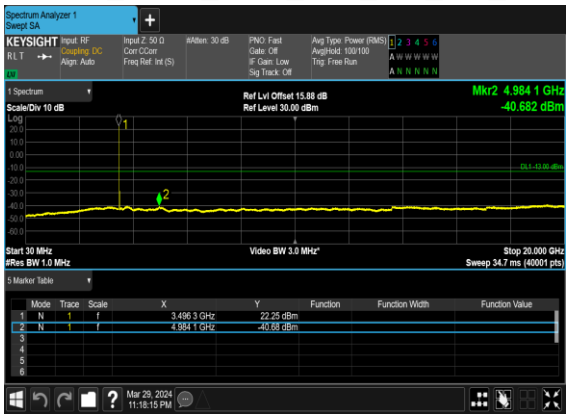
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



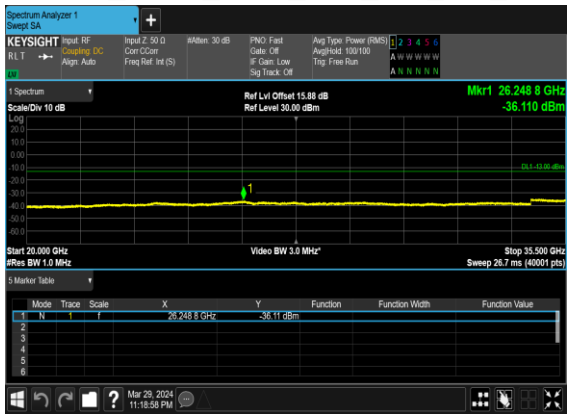
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



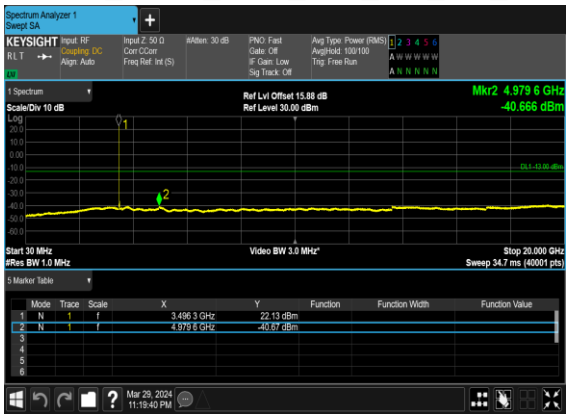
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



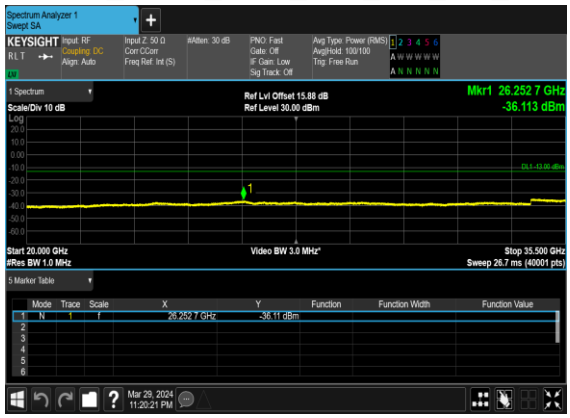
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



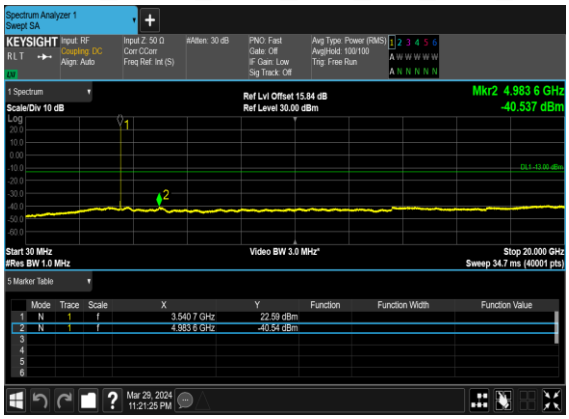
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



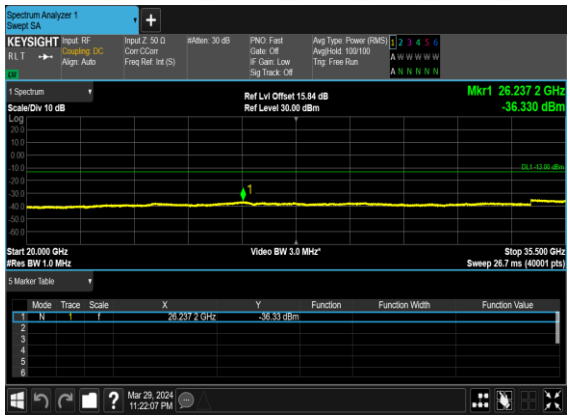
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



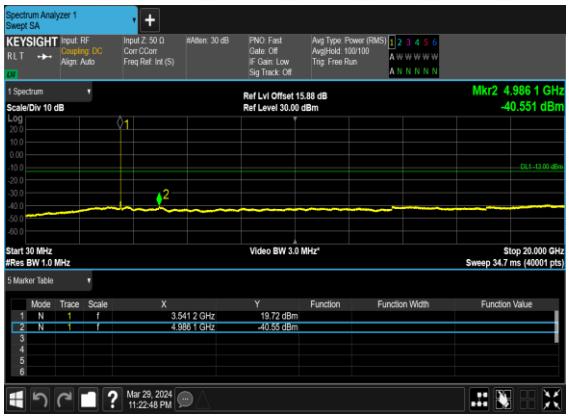
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



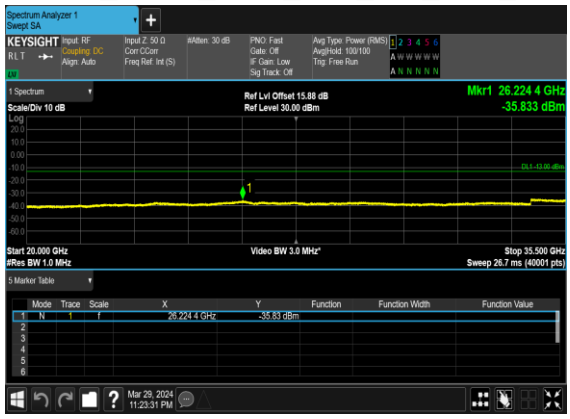
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



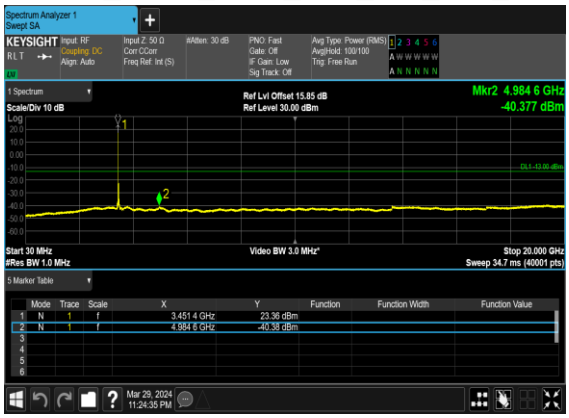
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



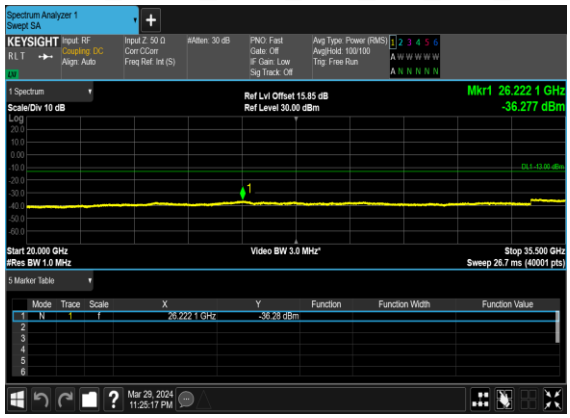
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



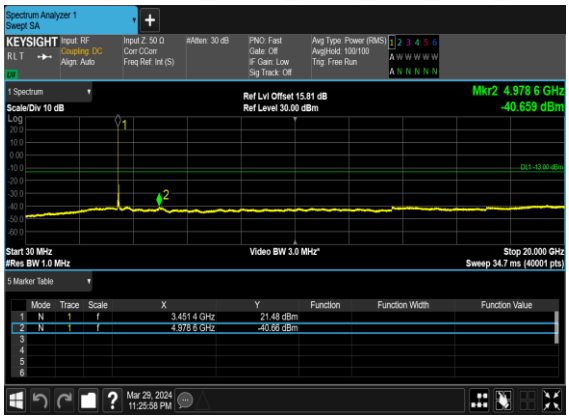
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



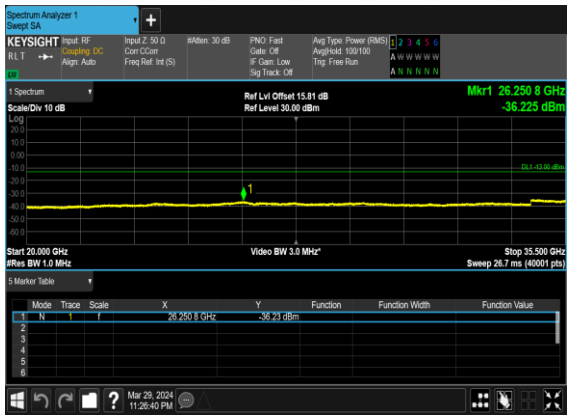
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



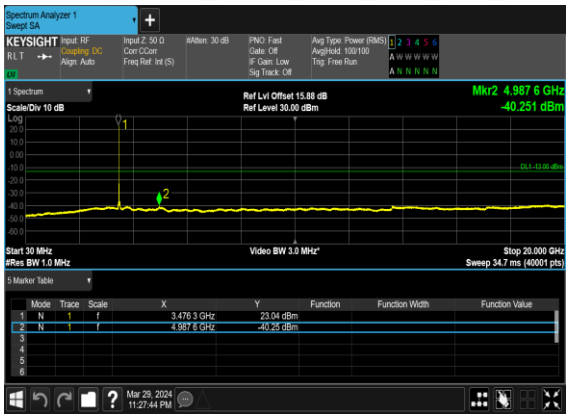
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

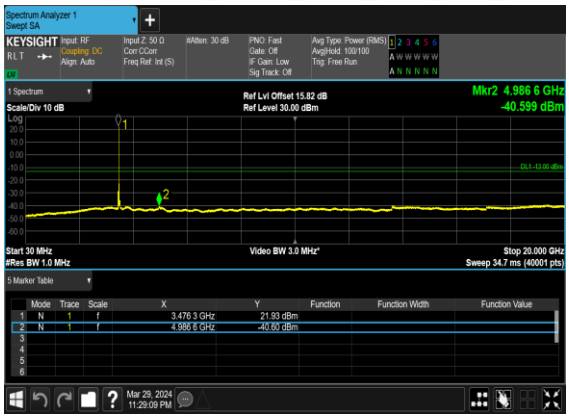


N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

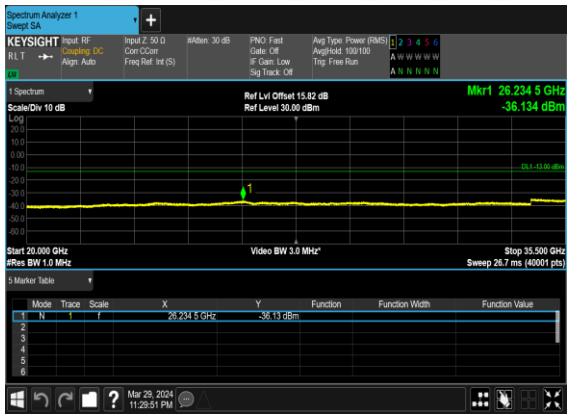


N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

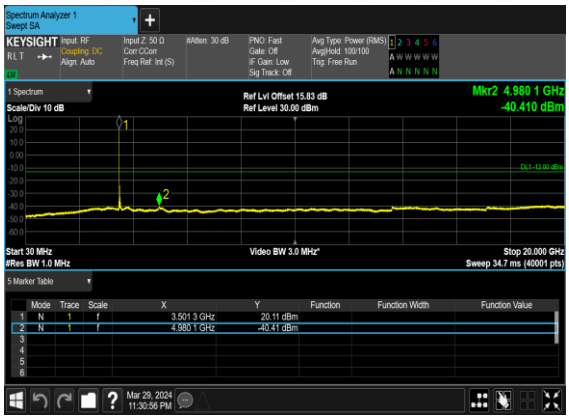
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



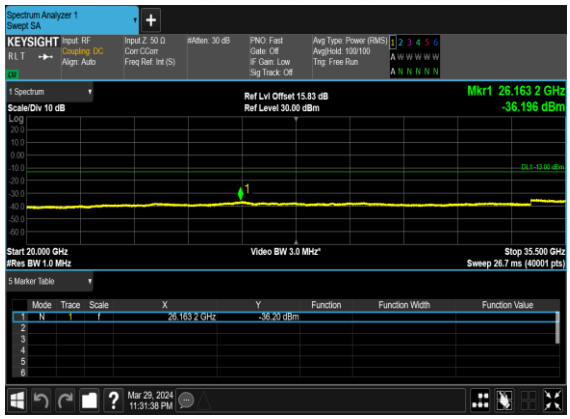
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



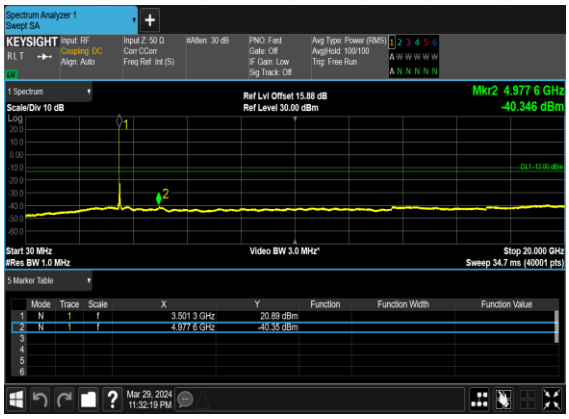
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



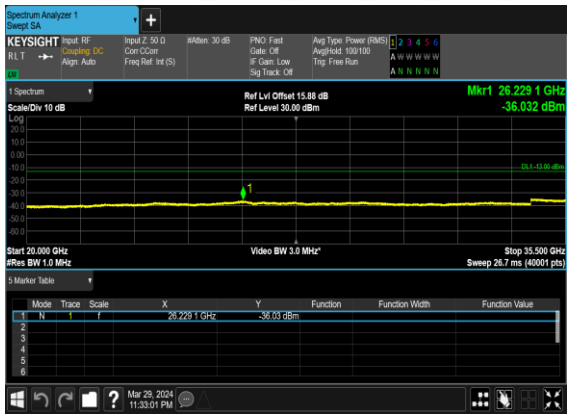
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



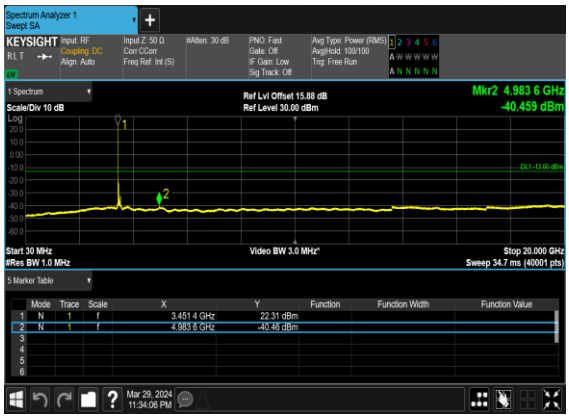
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



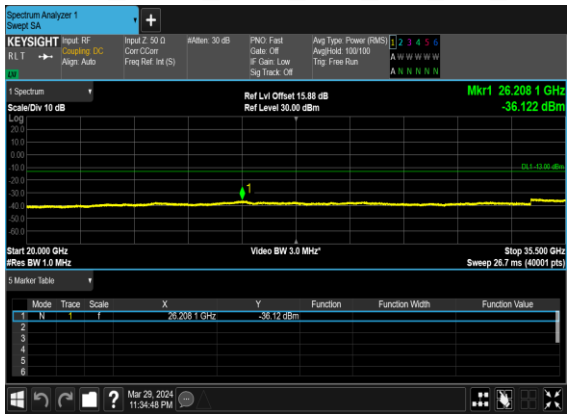
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



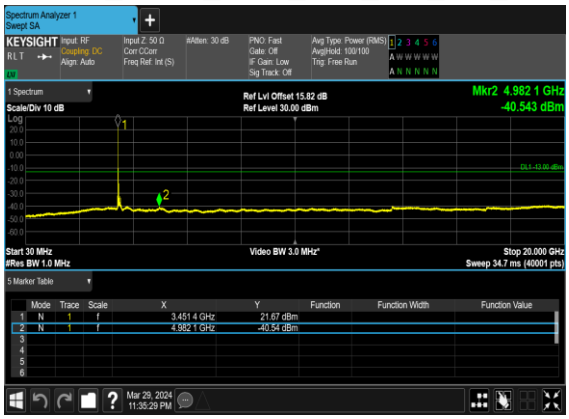
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



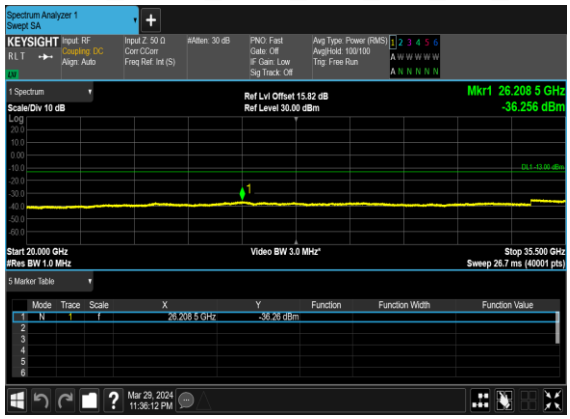
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



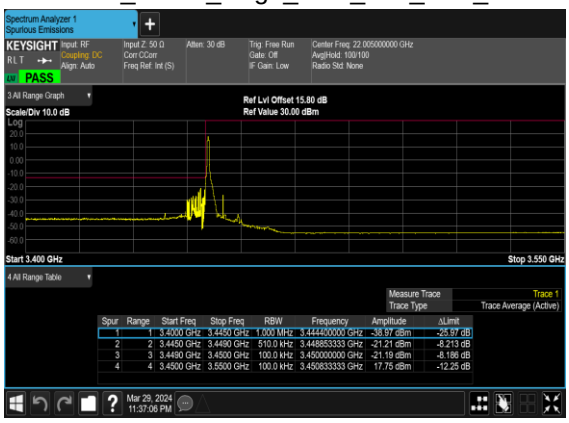
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



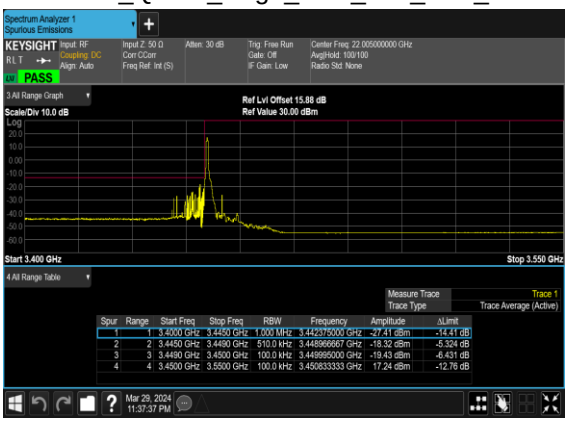
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	24@0	see graph	**PASS**
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	24@0	see graph	**PASS**
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@23	see graph	**PASS**
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@23	see graph	**PASS**
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	24@0	see graph	**PASS**
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	24@0	see graph	**PASS**
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	128@0	see graph	**PASS**
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	128@0	see graph	**PASS**
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@132	see graph	**PASS**
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@132	see graph	**PASS**
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	128@0	see graph	**PASS**
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	128@0	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@272	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@272	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	270@0	see graph	**PASS**

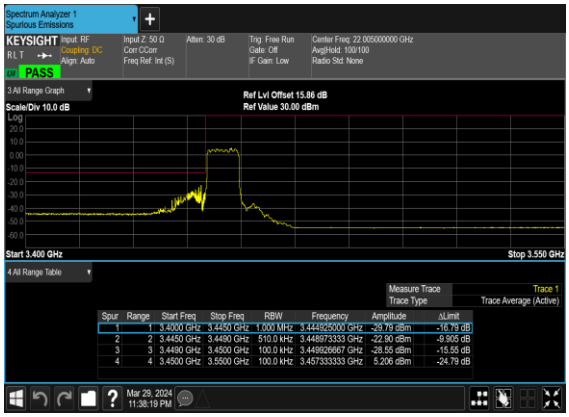
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



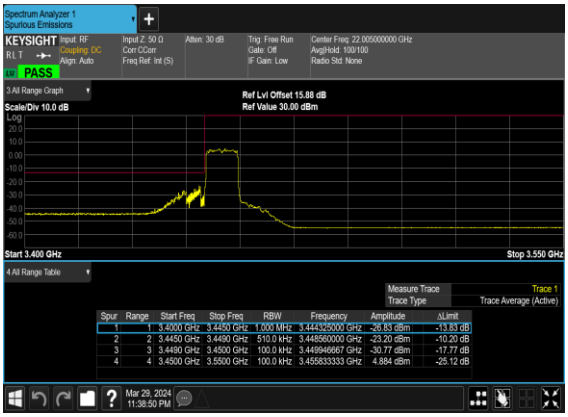
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



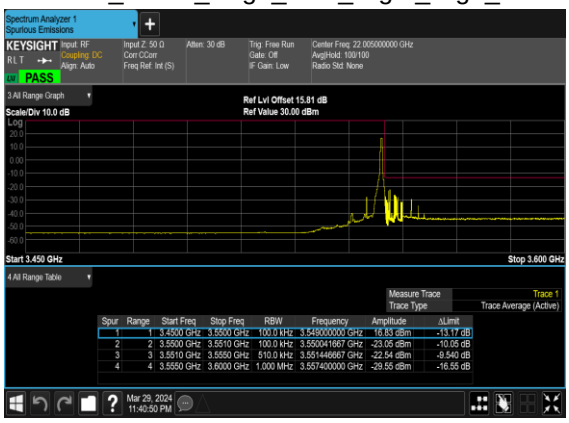
N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



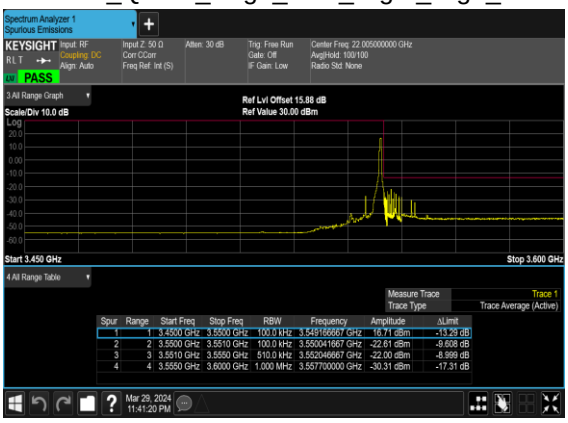
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



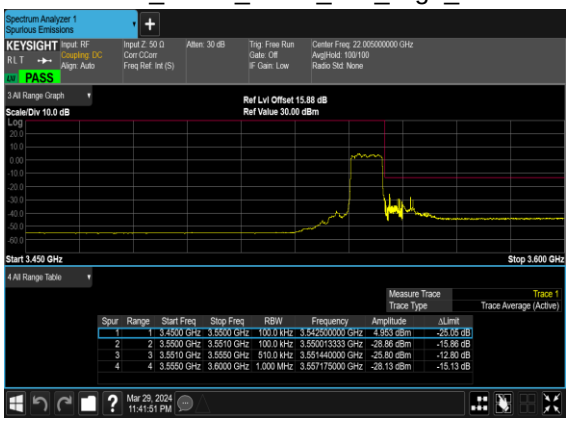
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

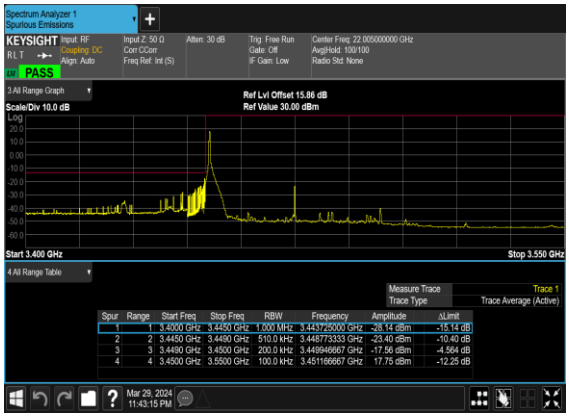


N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



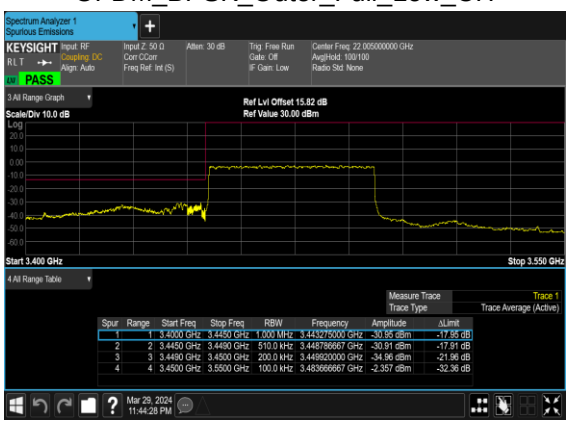
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

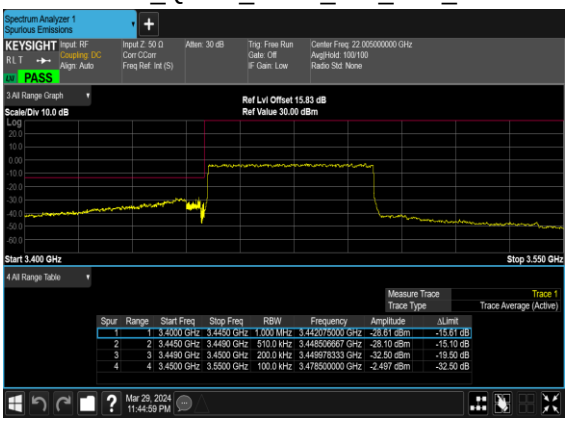


N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

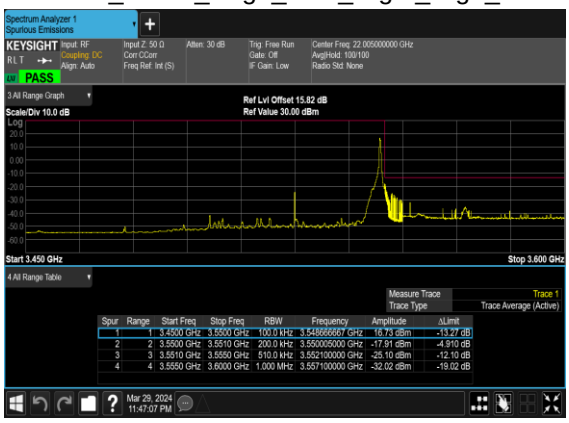
N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



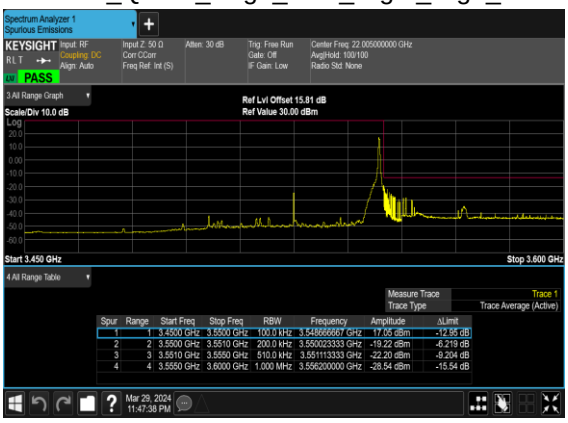
N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



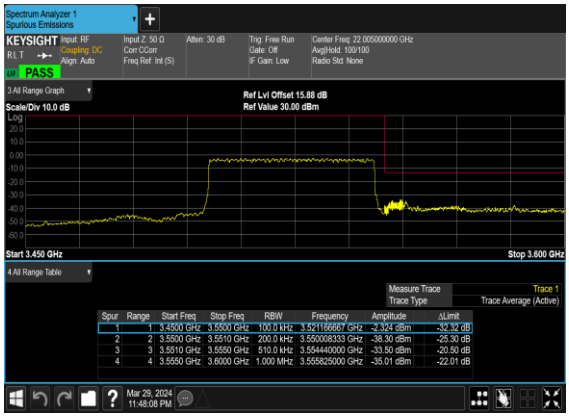
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

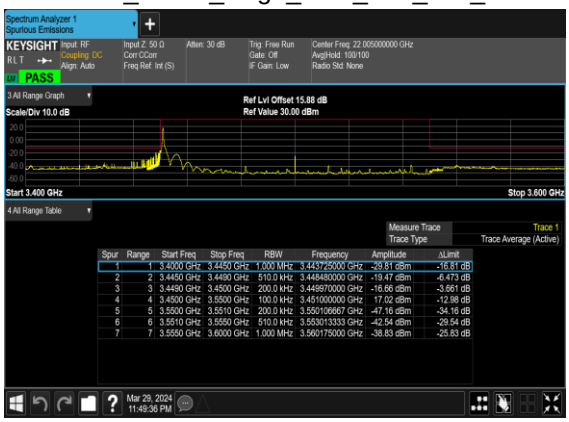


N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

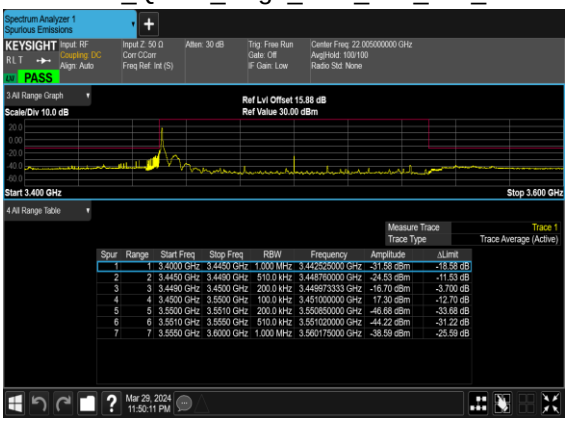


N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



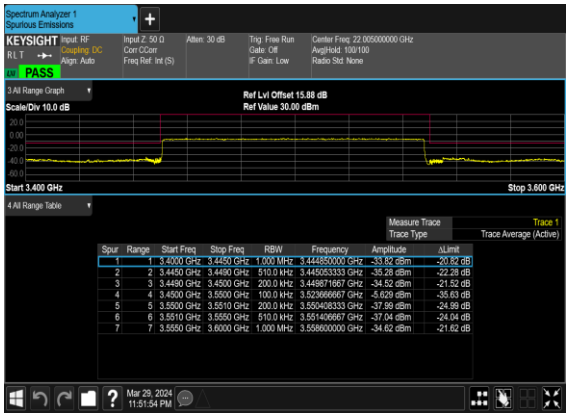
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



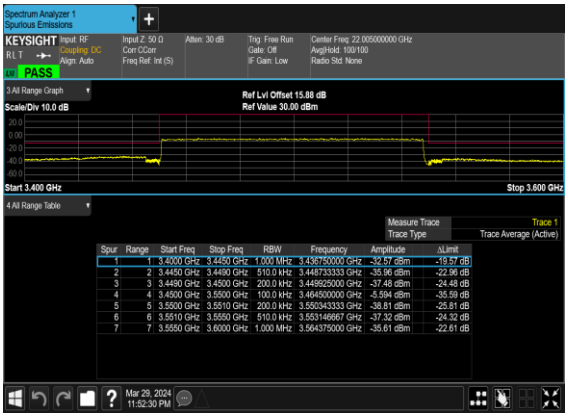
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH

N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH

N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_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	630334	3455.01	DFT-s-OFDM QPSK	1@1	25.84	28.84	0.7656
78	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	24.51	27.51	0.5636
78	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.73	28.73	0.7464
78	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.39	27.39	0.5483
78	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@1	25.87	28.87	0.7709
78	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	1@1	24.47	27.47	0.5585
78	15	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	25.82	28.82	0.7621
78	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	24.65	27.65	0.5821
78	15	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.86	28.86	0.7691
78	15	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.49	27.49	0.5610
78	15	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	25.85	28.85	0.7674
78	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	24.58	27.58	0.5728
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@1	25.86	28.86	0.7691
78	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	1@1	24.67	27.67	0.5848
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.74	28.74	0.7482
78	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.41	27.41	0.5508
78	15	20	636000	3540	DFT-s-OFDM QPSK	1@1	25.82	28.82	0.7621
78	15	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	24.54	27.54	0.5675
78	15	30	631000	3465	DFT-s-OFDM QPSK	1@1	25.76	28.76	0.7516
78	15	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	24.43	27.43	0.5534
78	15	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.59	28.59	0.7228
78	15	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.33	27.33	0.5408
78	15	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	25.67	28.67	0.7362
78	15	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	24.42	27.42	0.5521
78	15	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	25.57	28.57	0.7194
78	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	24.24	27.24	0.5297
78	15	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.33	28.33	0.6808
78	15	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.05	27.05	0.5070
78	15	40	635333	3529.995	DFT-s-OFDM QPSK	1@1	25.34	28.34	0.6823
78	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	1@1	24.08	27.08	0.5105
78	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	135@67	25.88	28.88	0.7727
78	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@1	25.81	28.81	0.7603
78	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@268	25.63	28.63	0.7295
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	135@67	25.87	28.87	0.7709
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@1	25.83	28.83	0.7638
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@268	25.68	28.68	0.7379
78	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	135@67	24.92	27.92	0.6194
78	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	1@1	24.46	27.46	0.5572
78	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	1@268	24.35	27.35	0.5433
78	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	135@67	23.36	26.36	0.4325
78	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	1@1	23.27	26.27	0.4236

78	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	1@268	23.08	26.08	0.4055
78	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	135@67	21.42	24.42	0.2767
78	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	1@1	21.25	24.25	0.2661
78	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	1@268	21.15	24.15	0.2600
78	15	50	631667	3475.005	CP-OFDM QPSK	135@67	24.33	27.33	0.5408
78	15	50	631667	3475.005	CP-OFDM QPSK	1@1	24.29	27.29	0.5358
78	15	50	631667	3475.005	CP-OFDM QPSK	1@268	24.11	27.11	0.5140
78	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	25.86	28.86	0.7691
78	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.63	28.63	0.7295
78	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@268	25.66	28.66	0.7345
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	135@67	25.89	28.89	0.7745
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.6	28.6	0.7244
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@268	25.68	28.68	0.7379
78	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	24.89	27.89	0.6152
78	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.29	27.29	0.5358
78	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@268	24.42	27.42	0.5521
78	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	23.31	26.31	0.4276
78	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.13	26.13	0.4102
78	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@268	23.13	26.13	0.4102
78	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	21.43	24.43	0.2773
78	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.09	24.09	0.2564
78	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@268	21.22	24.22	0.2642
78	15	50	633334	3500.01	CP-OFDM QPSK	135@67	24.32	27.32	0.5395
78	15	50	633334	3500.01	CP-OFDM QPSK	1@1	24.12	27.12	0.5152
78	15	50	633334	3500.01	CP-OFDM QPSK	1@268	24.23	27.23	0.5284
78	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	135@67	25.82	28.82	0.7621
78	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	25.56	28.56	0.7178
78	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@268	25.61	28.61	0.7261
78	15	50	635000	3525	DFT-s-OFDM QPSK	135@67	25.82	28.82	0.7621
78	15	50	635000	3525	DFT-s-OFDM QPSK	1@1	25.54	28.54	0.7145
78	15	50	635000	3525	DFT-s-OFDM QPSK	1@268	25.65	28.65	0.7328
78	15	50	635000	3525	DFT-s-OFDM 16 QAM	135@67	24.87	27.87	0.6124
78	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	24.25	27.25	0.5309
78	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@268	24.38	27.38	0.5470
78	15	50	635000	3525	DFT-s-OFDM 64 QAM	135@67	23.31	26.31	0.4276
78	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	23.01	26.01	0.3990
78	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@268	23.09	26.09	0.4064
78	15	50	635000	3525	DFT-s-OFDM 256 QAM	135@67	21.38	24.38	0.2742
78	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	21.08	24.08	0.2559
78	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@268	21.14	24.14	0.2594
78	15	50	635000	3525	CP-OFDM QPSK	135@67	24.28	27.28	0.5346
78	15	50	635000	3525	CP-OFDM QPSK	1@1	24.07	27.07	0.5093
78	15	50	635000	3525	CP-OFDM QPSK	1@268	24.15	27.15	0.5188

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	630334	3455.01	DFT-s-OFDM QPSK	1@1	25.7	28.7	0.7413
78	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	24.75	27.75	0.5957
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.5	28.5	0.7079
78	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.59	27.59	0.5741
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	25.82	28.82	0.7621
78	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	24.74	27.74	0.5943
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	25.78	28.78	0.7551
78	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	24.73	27.73	0.5929
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.59	28.59	0.7228
78	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.55	27.55	0.5689
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	25.81	28.81	0.7603
78	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	24.74	27.74	0.5943
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	25.66	28.66	0.7345
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	24.65	27.65	0.5821
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.49	28.49	0.7063
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.43	27.43	0.5534
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	25.75	28.75	0.7499
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	24.73	27.73	0.5929
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	25.56	28.56	0.7178
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	24.55	27.55	0.5689
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.38	28.38	0.6887
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.35	27.35	0.5433
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	25.64	28.64	0.7311
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	24.57	27.57	0.5715
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	25.32	28.32	0.6792
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	24.3	27.3	0.5370
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.14	28.14	0.6516
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.11	27.11	0.5140
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	25.36	28.36	0.6855
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	24.3	27.3	0.5370
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	25.61	28.61	0.7261
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	24.57	27.57	0.5715
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.44	28.44	0.6982
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.4	27.4	0.5495
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	25.45	28.45	0.6998
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	24.47	27.47	0.5585
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	25.56	28.56	0.7178
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	24.61	27.61	0.5768

78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.43	28.43	0.6966
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.48	27.48	0.5598
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	25.44	28.44	0.6982
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	24.45	27.45	0.5559
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	25.42	28.42	0.6950
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	24.41	27.41	0.5508
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.41	28.41	0.6934
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.39	27.39	0.5483
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	25.3	28.3	0.6761
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	24.31	27.31	0.5383
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	25.4	28.4	0.6918
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	24.35	27.35	0.5433
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.39	28.39	0.6902
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.33	27.33	0.5408
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	25.41	28.41	0.6934
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	24.33	27.33	0.5408
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	25.3	28.3	0.6761
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	24.28	27.28	0.5346
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.26	28.26	0.6699
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.22	27.22	0.5272
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	25.32	28.32	0.6792
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	24.29	27.29	0.5358
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	25.82	28.82	0.7621
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.36	28.36	0.6855
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	25.11	28.11	0.6471
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	25.85	28.85	0.7674
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.42	28.42	0.6950
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	25.21	28.21	0.6622
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	24.82	27.82	0.6053
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.35	27.35	0.5433
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	24.06	27.06	0.5082
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	23.29	26.29	0.4256
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.84	25.84	0.3837
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	22.61	25.61	0.3639
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	21.4	24.4	0.2754
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.28	24.28	0.2679
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	21.11	24.11	0.2576
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	24.31	27.31	0.5383
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	23.82	26.82	0.4808
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	23.58	26.58	0.4550

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

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

SA n77 / 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)
Middle	6902.40	-54.88	-13	-41.88	-77.70	-58.18	8.30	11.60	H
	10353.60	-51.65	-13	-38.65	-80.41	-53.17	10.48	12.00	H
	13804.80	-48.33	-13	-35.33	-79.11	-50.03	11.80	13.50	H
	6902.40	-46.00	-13	-33.00	-69.15	-49.30	8.30	11.60	V
	10353.60	-52.79	-13	-39.79	-80.58	-54.31	10.48	12.00	V
	13804.80	-48.29	-13	-35.29	-79.14	-49.99	11.80	13.50	V

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

EN-DC_30A_n77A / LTE 10MHz + 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	6892.40	-56.98	-13	-43.98	-64.44	-60.31	8.25	11.58	H
	10338.60	-56.33	-13	-43.33	-68.32	-57.88	10.45	12.00	H
	13784.80	-53.37	-13	-40.37	-69.24	-55.08	11.74	13.45	H
	6892.40	-47.26	-13	-34.26	-56	-50.59	8.25	11.58	V
	10338.60	-54.05	-13	-41.05	-67.79	-55.60	10.45	12.00	V
	13784.80	-55.15	-13	-42.15	-69.80	-56.86	11.74	13.45	V
LTE Band30 Lowest	4611.00	-59.91	-40	-19.91	-64.86	-66.16	6.45	12.70	H
	6916.50	-57.28	-40	-17.28	-64.78	-60.68	8.40	11.80	H
	9222.00	-59.61	-40	-19.61	-69.13	-61.96	9.65	12.00	H
	4611.00	-59.71	-40	-19.71	-64.79	-65.96	6.45	12.70	V
	6916.50	-56.92	-40	-16.92	-65.52	-60.32	8.40	11.80	V
	9222.00	-57.04	-40	-17.04	-68.79	-59.39	9.65	12.00	V
NR n77 Middle	6912.38	-57.78	-13	-44.78	-65.28	-61.08	8.30	11.60	H
	10368.57	-56.13	-13	-43.13	-68.17	-57.65	10.48	12.00	H
	13824.76	-54.05	-13	-41.05	-69.87	-55.75	11.80	13.50	H
	6912.38	-45.87	-13	-32.87	-54.47	-49.17	8.30	11.60	V
	10368.57	-54.04	-13	-41.04	-67.94	-55.56	10.48	12.00	V
	13824.76	-55.20	-13	-42.20	-69.87	-56.90	11.80	13.50	V
LTE Band30 Middle	4611.00	-59.53	-40	-19.53	-64.48	-65.78	6.45	12.70	H
	6917.50	-58.17	-40	-18.17	-65.67	-61.57	8.40	11.80	H
	9222.00	-59.40	-40	-19.40	-68.92	-61.75	9.65	12.00	H
	4611.00	-59.45	-40	-19.45	-64.53	-65.70	6.45	12.70	V
	6917.50	-56.98	-40	-16.98	-65.58	-60.38	8.40	11.80	V
	9222.00	-57.35	-40	-17.35	-69.1	-59.70	9.65	12.00	V
NR n77 Highest	6912.38	-56.68	-13	-43.68	-64.18	-59.98	8.32	11.62	H
	10368.57	-55.85	-13	-42.85	-67.89	-57.53	10.52	12.20	H
	13824.76	-53.91	-13	-40.91	-69.73	-55.61	11.85	13.55	H
	6912.38	-47.03	-13	-34.03	-55.63	-50.33	8.32	11.62	V
	10368.57	-54.15	-13	-41.15	-68.05	-55.83	10.52	12.20	V
	13824.76	-55.06	-13	-42.06	-69.73	-56.76	11.85	13.55	V
LTE Band30 Highest	4611.00	-59.95	-40	-19.95	-64.90	-66.20	6.45	12.70	H
	6916.50	-58.01	-40	-18.01	-65.51	-61.41	8.40	11.80	H
	9222.00	-59.61	-40	-19.61	-69.13	-61.96	9.65	12.00	H
	4611.00	-59.18	-40	-19.18	-64.26	-65.43	6.45	12.70	V
	6916.50	-57.28	-40	-17.28	-65.88	-60.68	8.40	11.80	V
	9222.00	-57.01	-40	-17.01	-68.76	-59.36	9.65	12.00	V

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