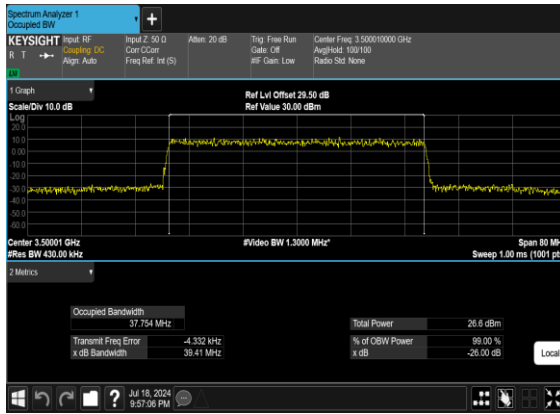
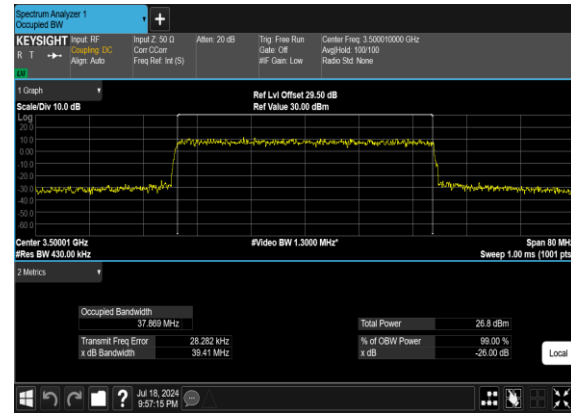




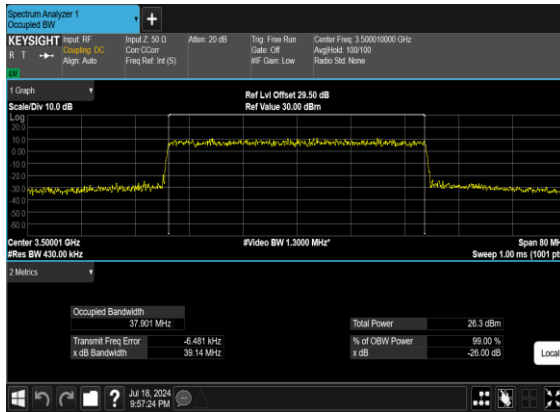
N77(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



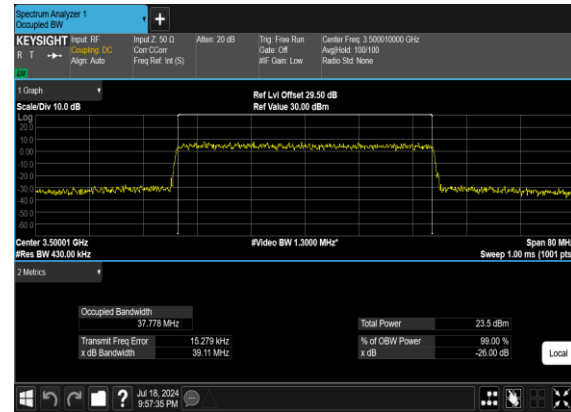
N77(40M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

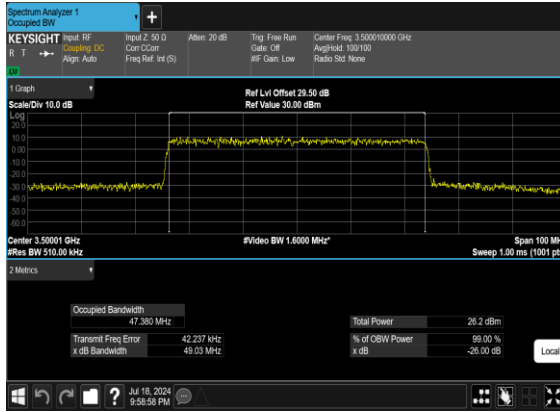


N77(40M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

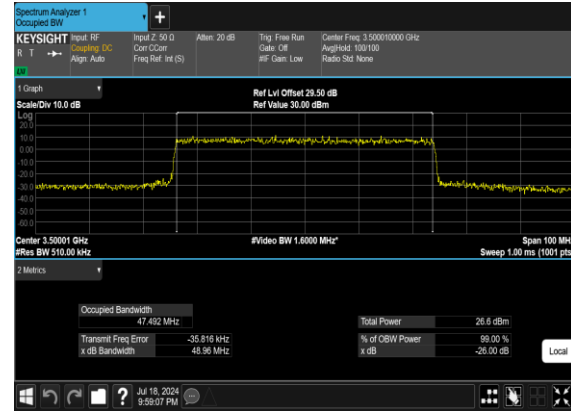




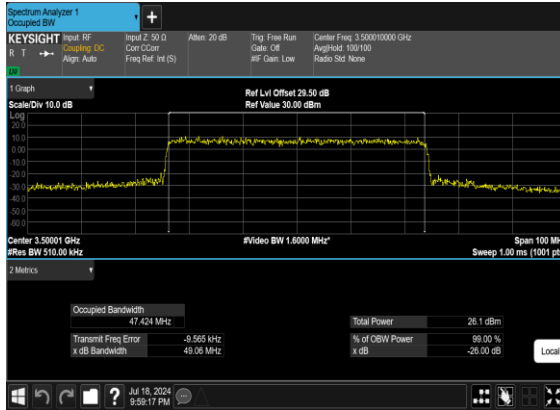
N77(50M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



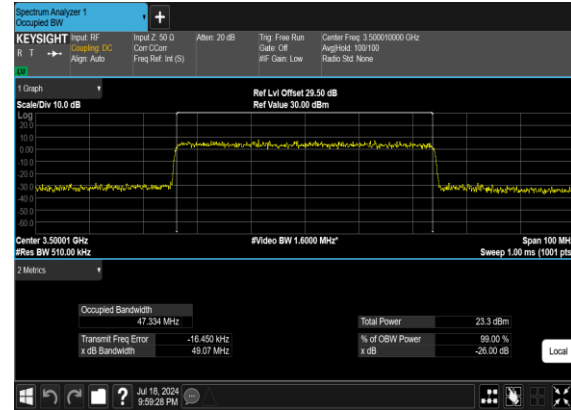
N77(50M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

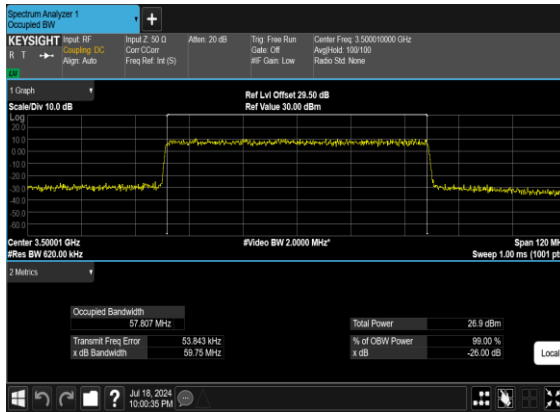


N77(50M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

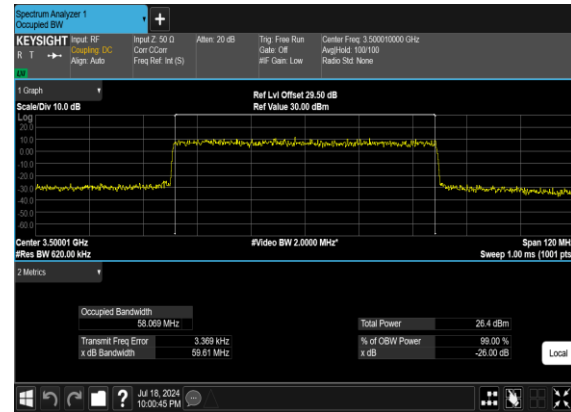




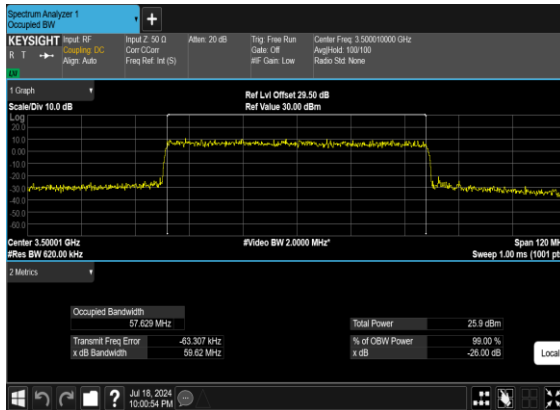
N77(60M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



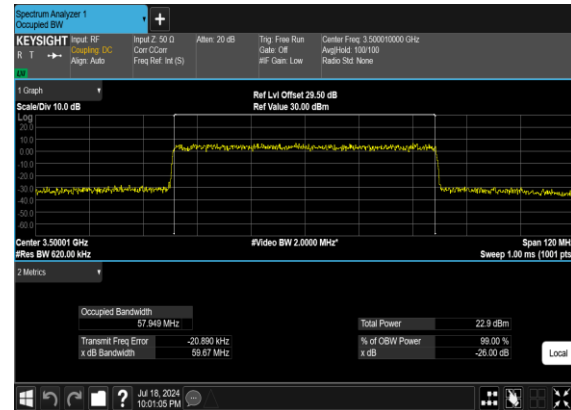
N77(60M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(60M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

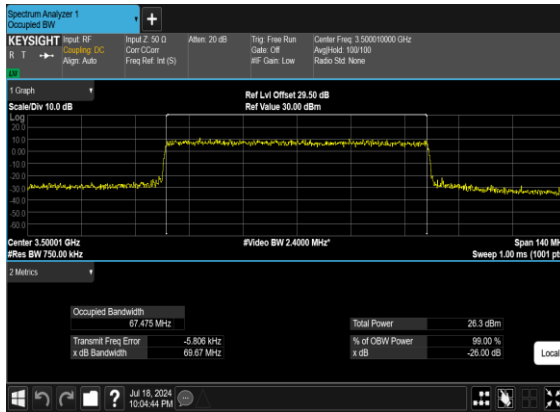


N77(60M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

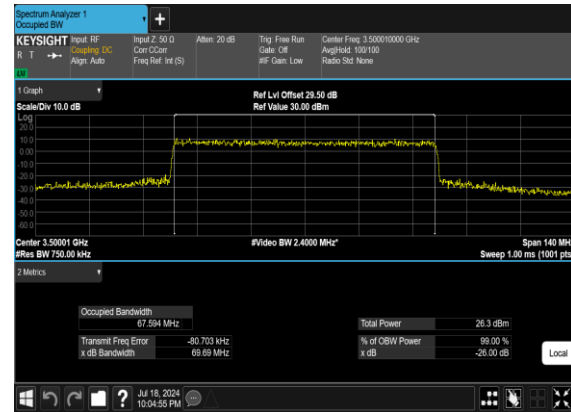




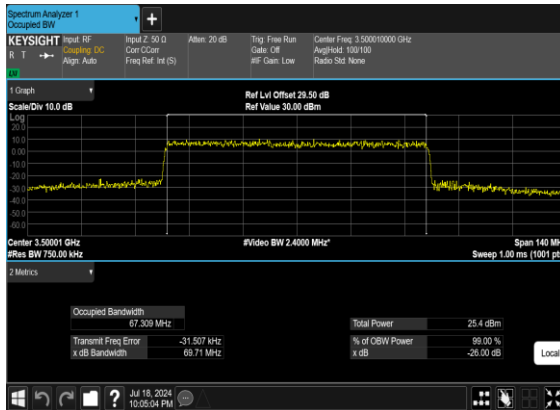
N77(70M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



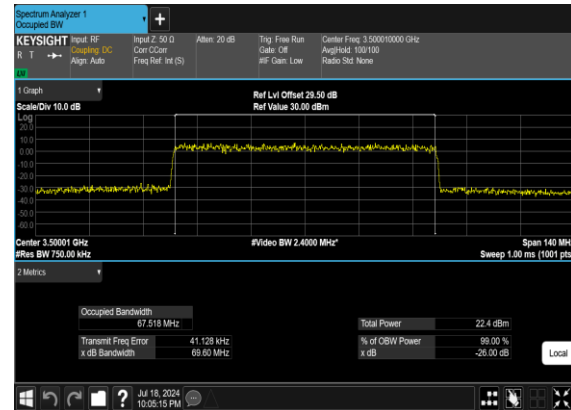
N77(70M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(70M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

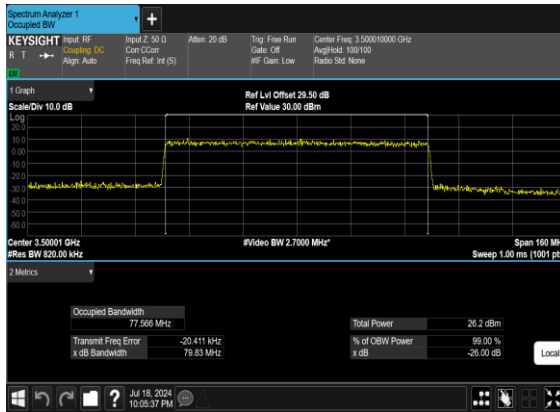


N77(70M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

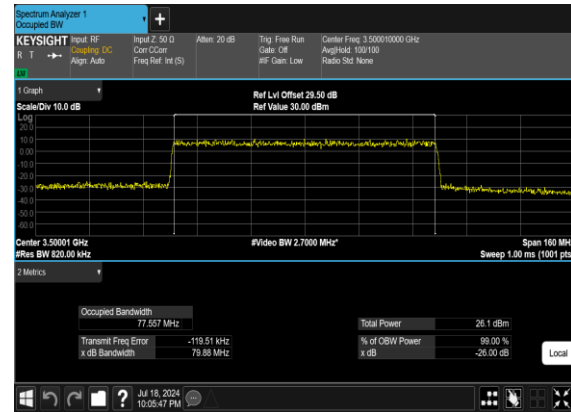




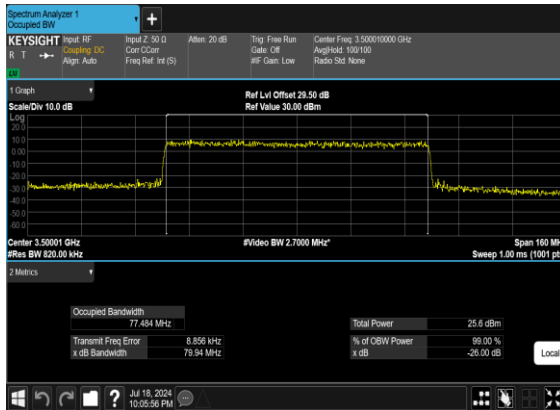
N77(80M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



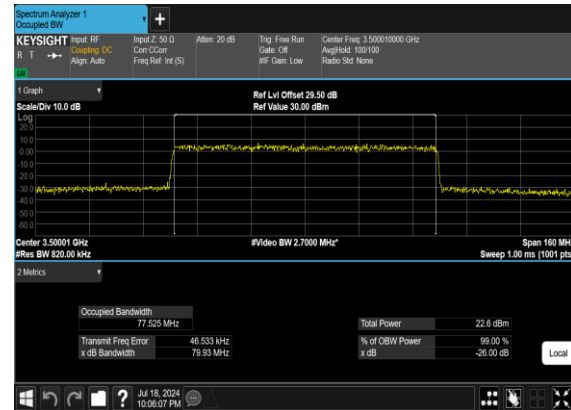
N77(80M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(80M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

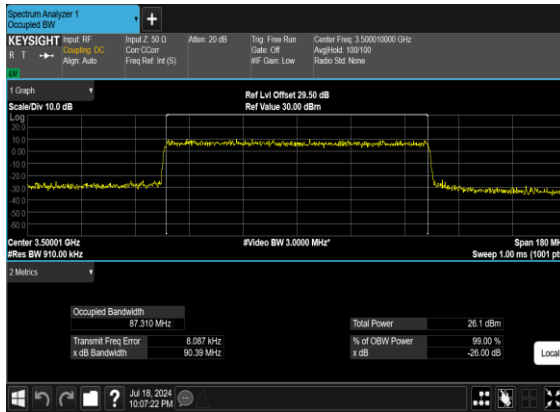


N77(80M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

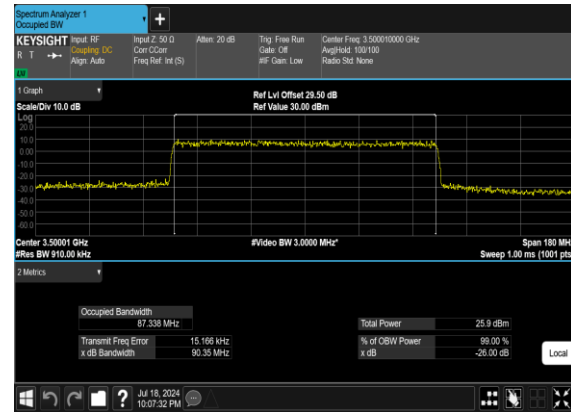




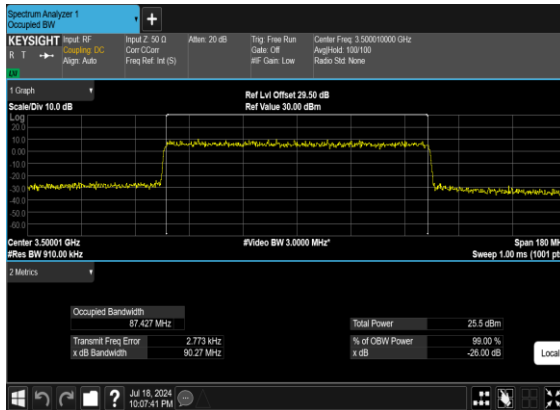
N77(90M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



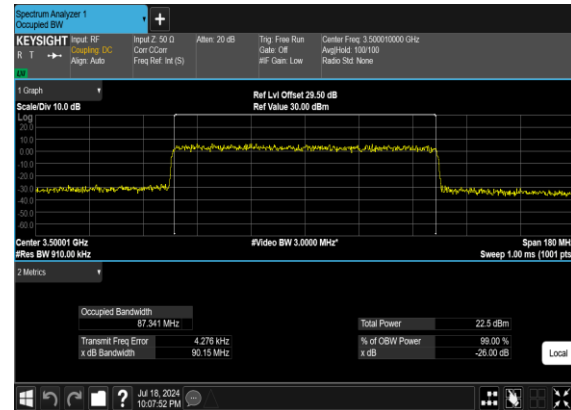
N77(90M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(90M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

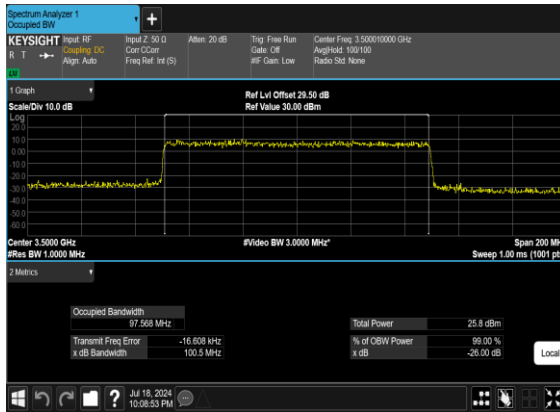


N77(90M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

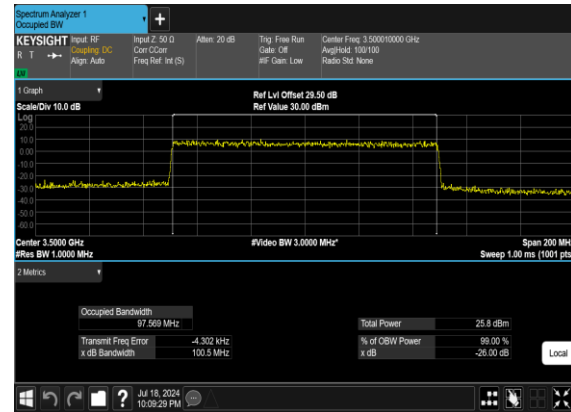




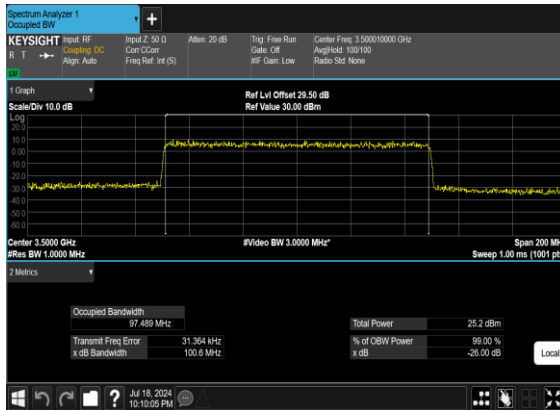
N77(100M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



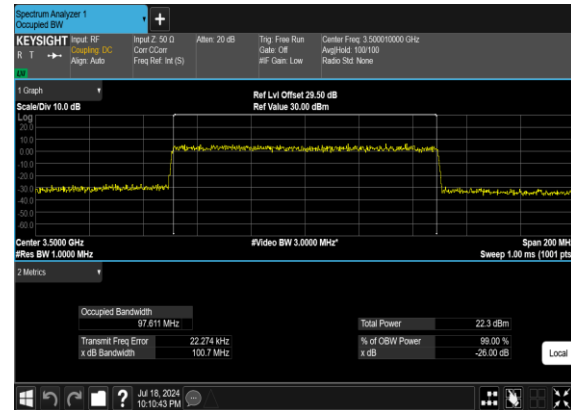
N77(100M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



**Conducted Spurious Emissions**

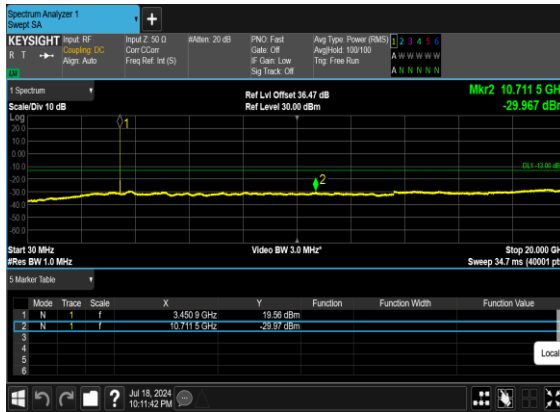
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	630668	3460.02	CP-OFDM QPSK	1@0	see graph	---
77	30	20	630668	3460.02	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	630668	3460.02	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	630668	3460.02	CP-OFDM 16 QAM	1@0	see graph	---
77	30	20	630668	3460.02	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	20	630668	3460.02	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	20	633334	3500.01	CP-OFDM QPSK	1@0	see graph	---
77	30	20	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	---
77	30	20	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	20	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	20	636000	3540.0	CP-OFDM QPSK	1@0	see graph	---
77	30	20	636000	3540.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	636000	3540.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	636000	3540.0	CP-OFDM 16 QAM	1@0	see graph	---
77	30	20	636000	3540.0	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	20	636000	3540.0	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	60	632000	3480.0	CP-OFDM QPSK	1@0	see graph	---
77	30	60	632000	3480.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	632000	3480.0	CP-OFDM QPSK	1@0	see graph	PASS



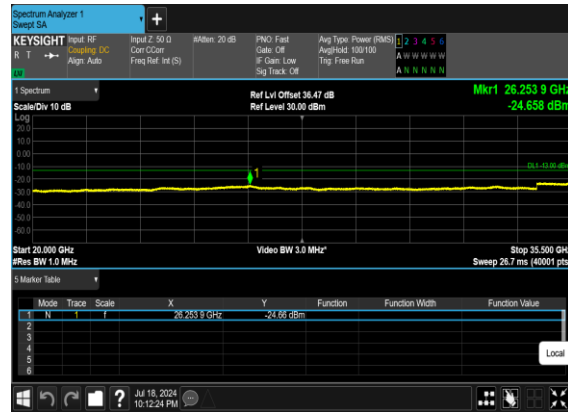
77	30	60	632000	3480.0	CP-OFDM 16 QAM	1@0	see graph	---
77	30	60	632000	3480.0	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	60	632000	3480.0	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	60	633334	3500.01	CP-OFDM QPSK	1@0	see graph	---
77	30	60	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	---
77	30	60	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	60	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	60	634666	3519.99	CP-OFDM QPSK	1@0	see graph	---
77	30	60	634666	3519.99	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	634666	3519.99	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	634666	3519.99	CP-OFDM 16 QAM	1@0	see graph	---
77	30	60	634666	3519.99	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	60	634666	3519.99	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	100	633334	3500.01	CP-OFDM QPSK	1@0	see graph	---
77	30	100	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	100	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	100	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	---
77	30	100	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	100	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	PASS



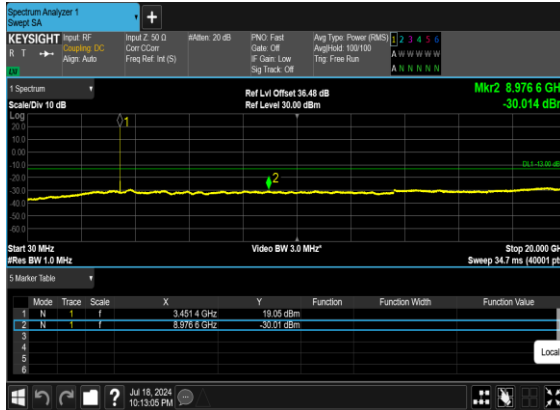
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(20M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH

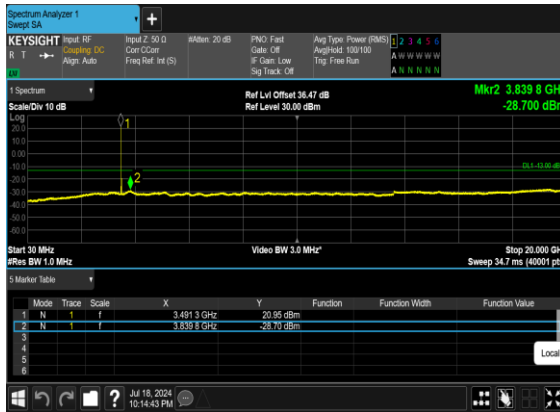


N77(20M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH

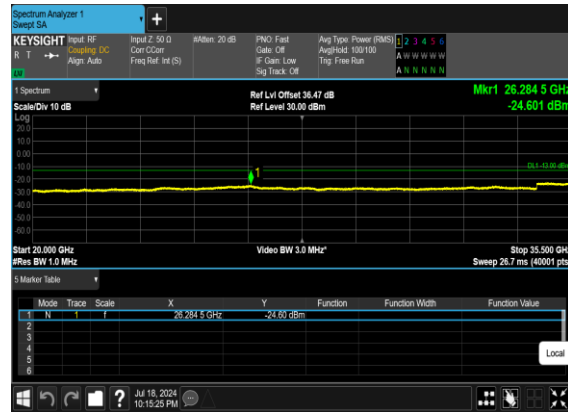




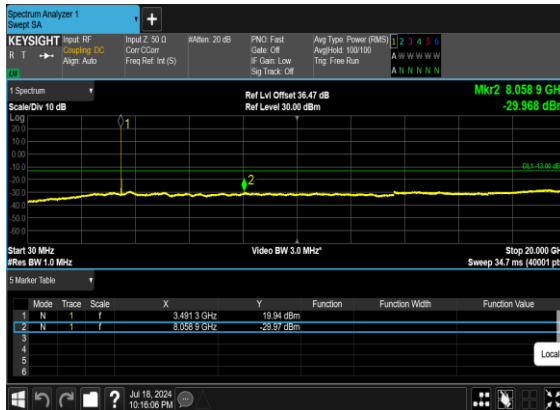
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



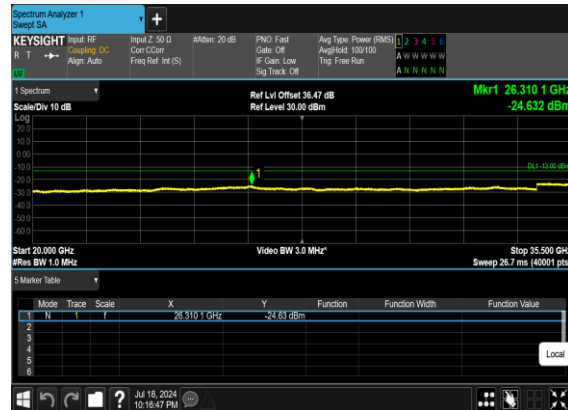
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(20M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH

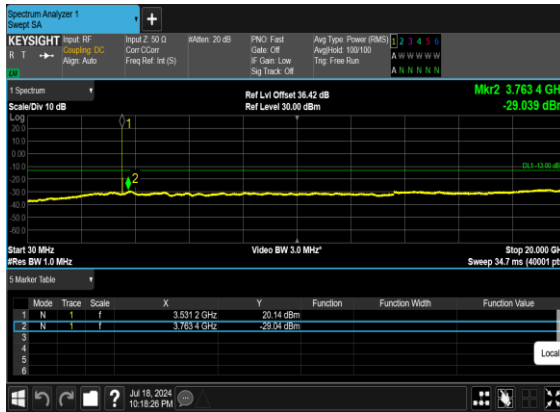


N77(20M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH

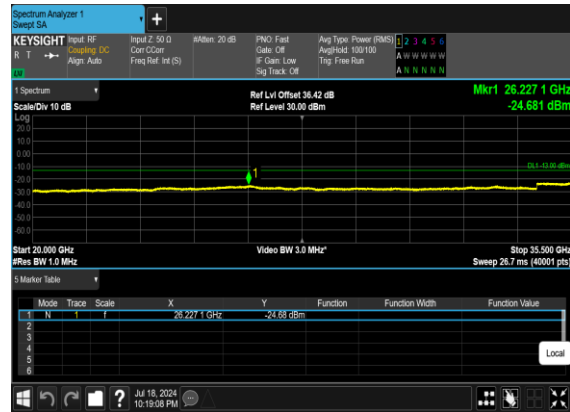




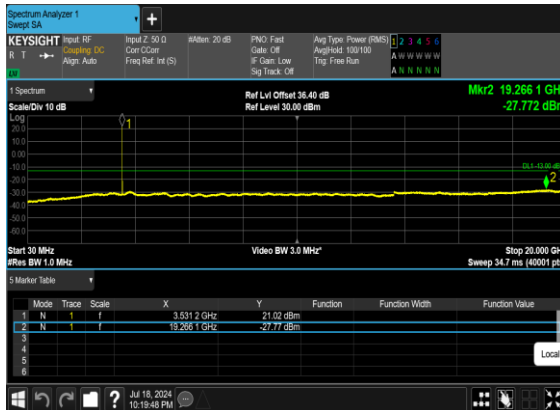
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



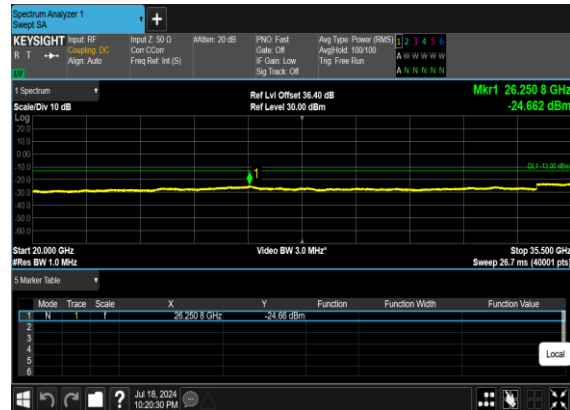
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N77(20M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH

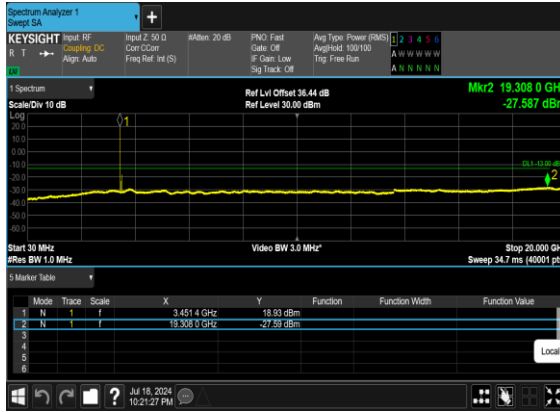


N77(20M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH





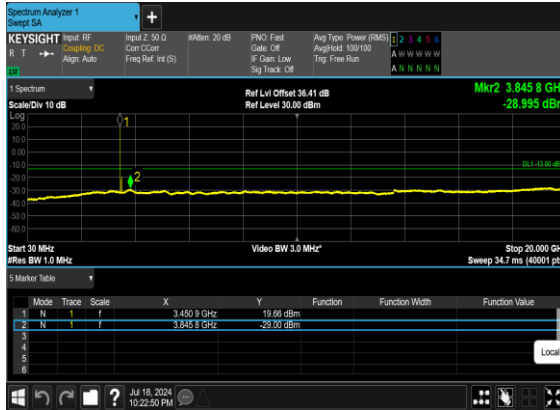
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



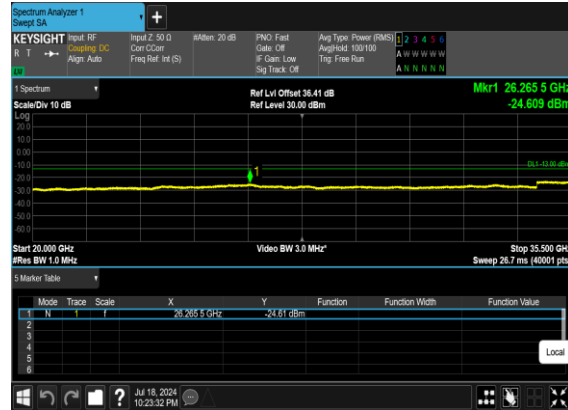
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(60M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH

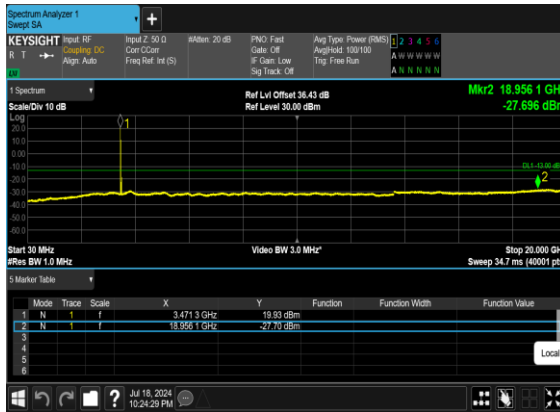


N77(60M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH

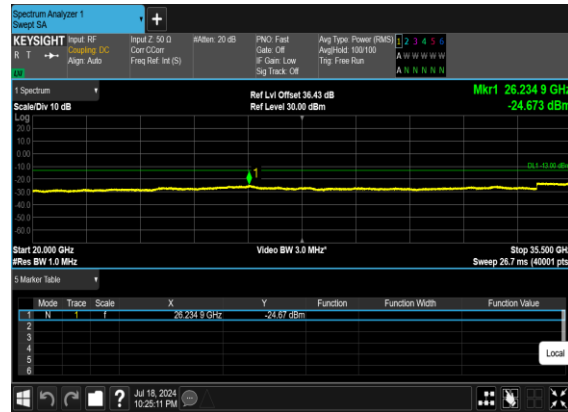




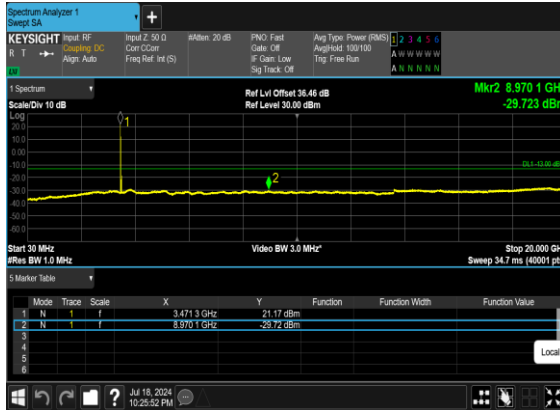
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



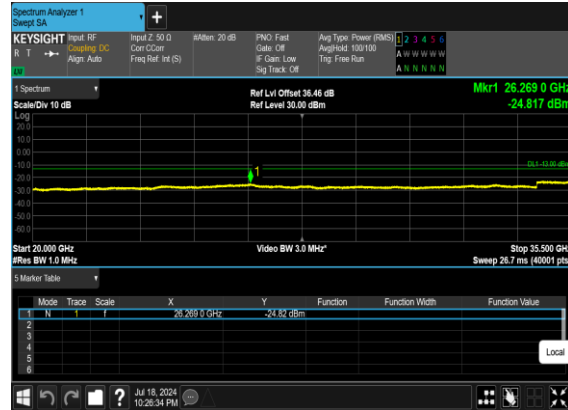
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(60M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH

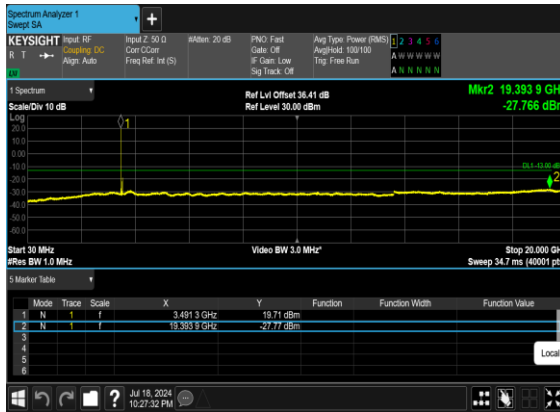


N77(60M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH

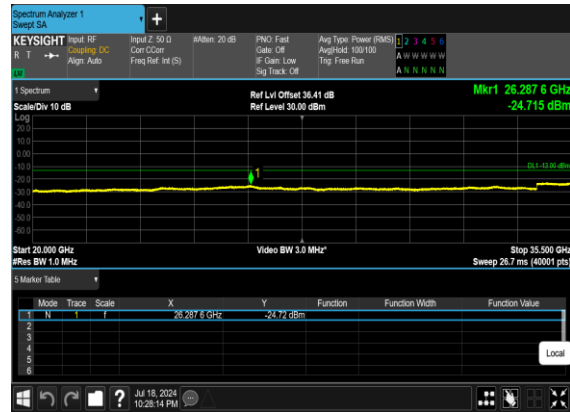




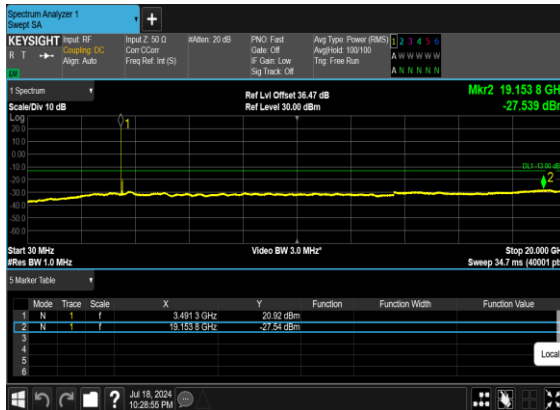
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



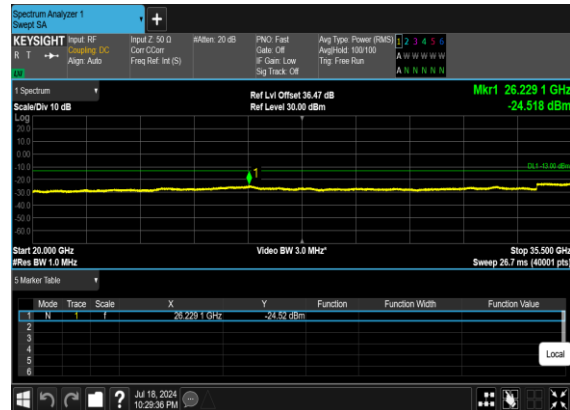
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N77(60M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH

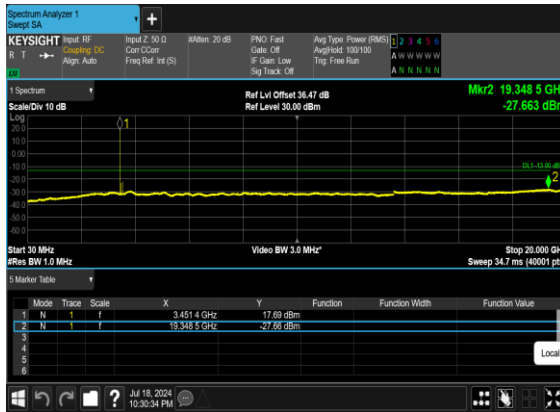


N77(60M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH

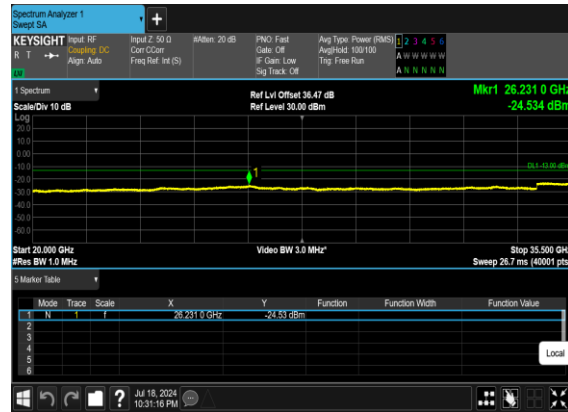




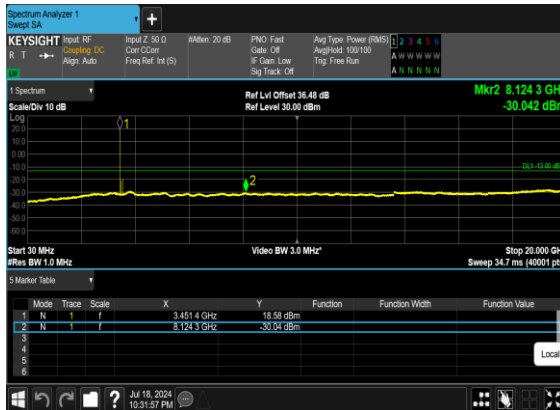
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



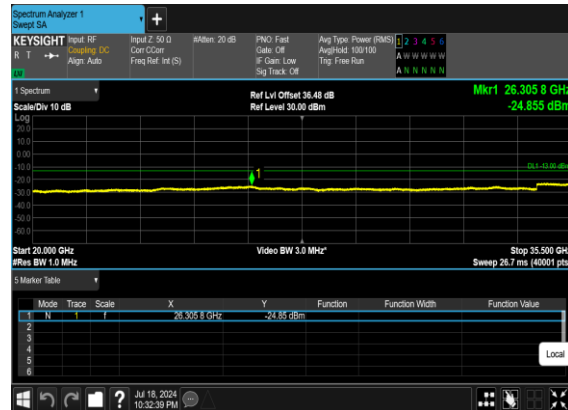
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(100M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH



N77(100M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH

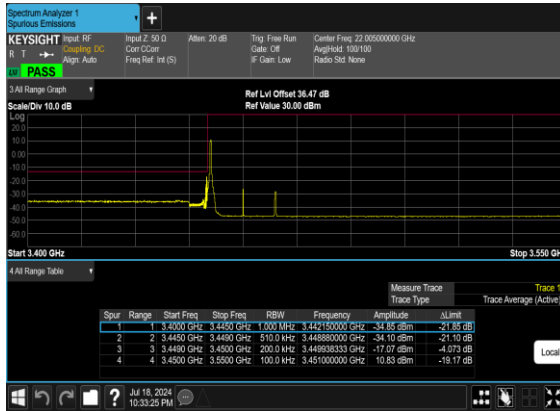


**Conducted Band Edge**

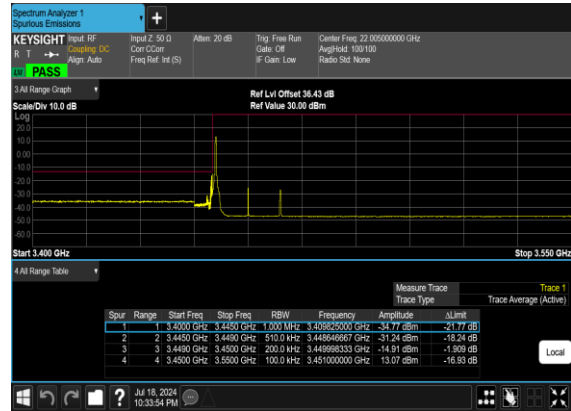
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	630668	3460.02	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	630668	3460.02	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	20	630668	3460.02	CP-OFDM QPSK	51@0	see graph	PASS
77	30	20	630668	3460.02	CP-OFDM 16 QAM	51@0	see graph	PASS
77	30	20	636000	3540.0	CP-OFDM QPSK	1@50	see graph	PASS
77	30	20	636000	3540.0	CP-OFDM 16 QAM	1@50	see graph	PASS
77	30	20	636000	3540.0	CP-OFDM QPSK	51@0	see graph	PASS
77	30	20	636000	3540.0	CP-OFDM 16 QAM	51@0	see graph	PASS
77	30	60	632000	3480.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	632000	3480.0	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	60	632000	3480.0	CP-OFDM QPSK	162@0	see graph	PASS
77	30	60	632000	3480.0	CP-OFDM 16 QAM	162@0	see graph	PASS
77	30	60	634666	3519.99	CP-OFDM QPSK	1@161	see graph	PASS
77	30	60	634666	3519.99	CP-OFDM 16 QAM	1@161	see graph	PASS
77	30	60	634666	3519.99	CP-OFDM QPSK	162@0	see graph	PASS
77	30	60	634666	3519.99	CP-OFDM 16 QAM	162@0	see graph	PASS
77	30	100	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	100	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	100	633334	3500.01	CP-OFDM QPSK	1@272	see graph	PASS
77	30	100	633334	3500.01	CP-OFDM 16 QAM	1@272	see graph	PASS
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	see graph	PASS
77	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	see graph	PASS



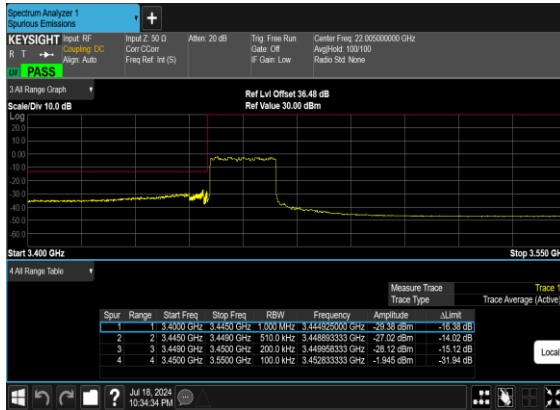
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



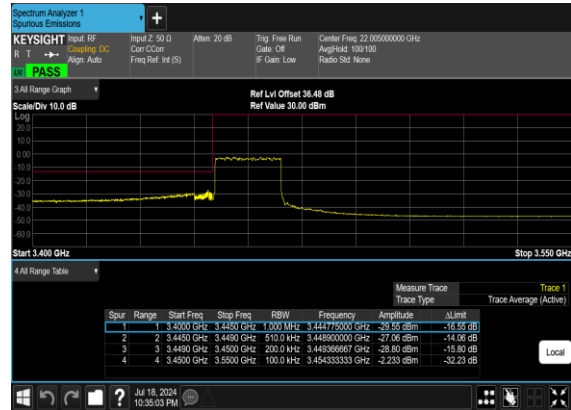
N77(20M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH



N77(20M)_CP-
OFDM_QPSK_Outer_Full_Low_CH

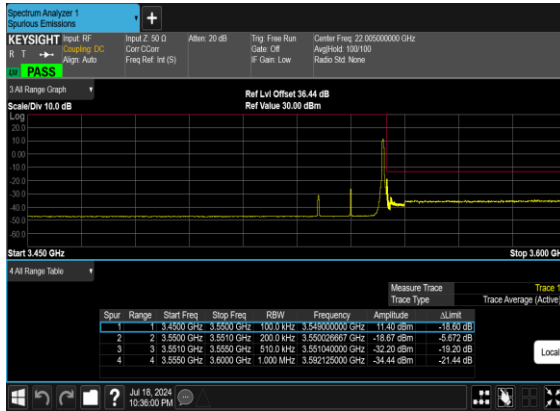


N77(20M)_CP-OFDM_16
QAM_Outer_Full_Low_CH

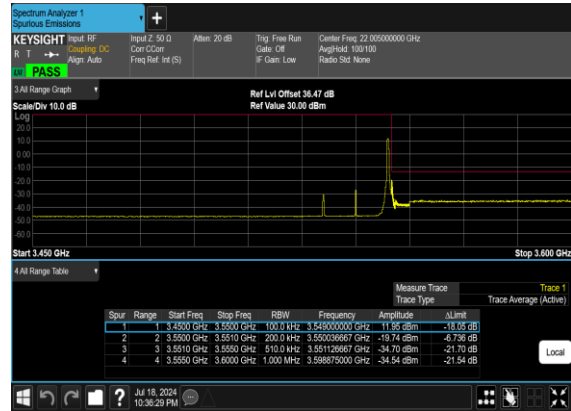




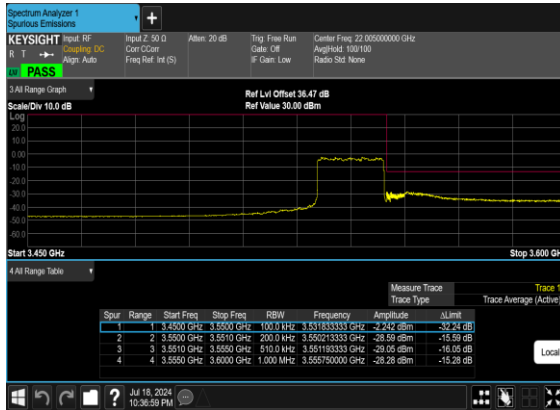
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



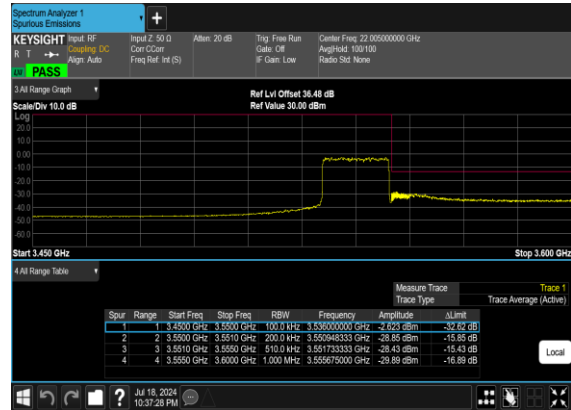
N77(20M)_CP-OFDM_16
QAM_Edge_1RB_Right_High_CH



N77(20M)_CP-
OFDM_QPSK_Outer_Full_High_CH

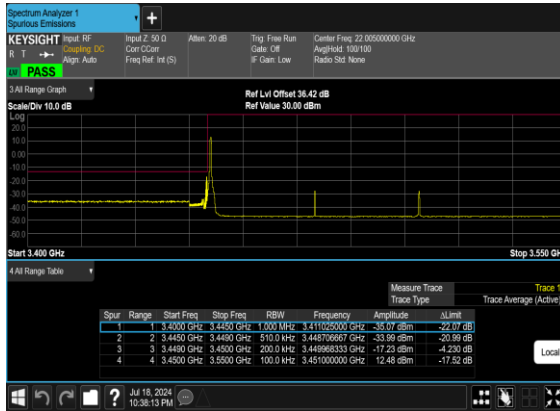


N77(20M)_CP-OFDM_16
QAM_Outer_Full_High_CH

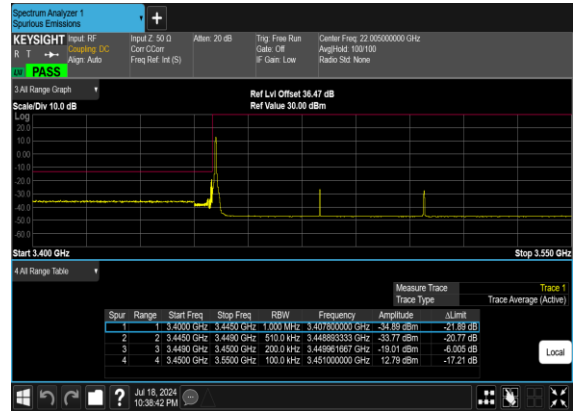




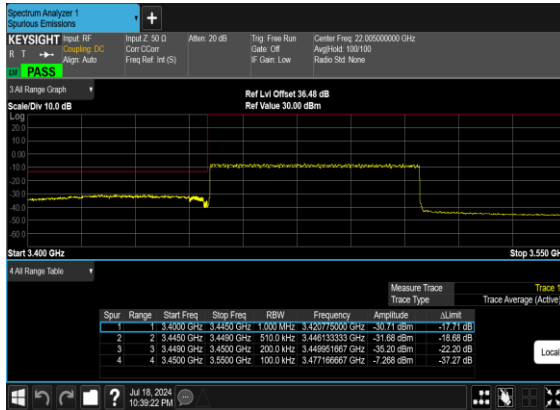
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



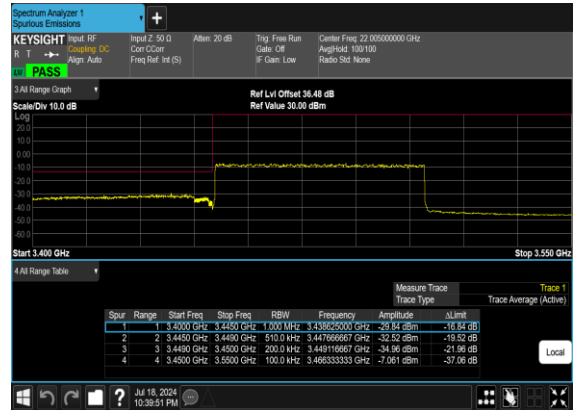
N77(60M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH



N77(60M)_CP-
OFDM_QPSK_Outer_Full_Low_CH

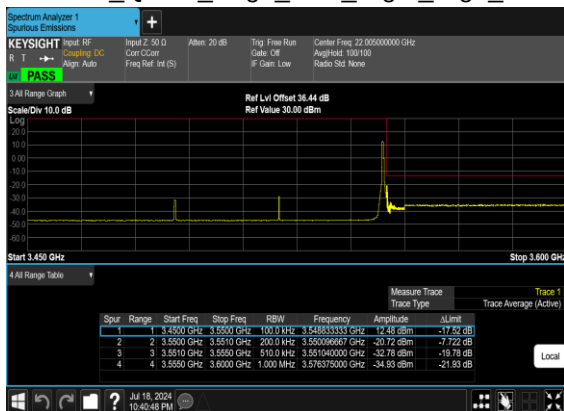


N77(60M)_CP-OFDM_16
QAM_Outer_Full_Low_CH

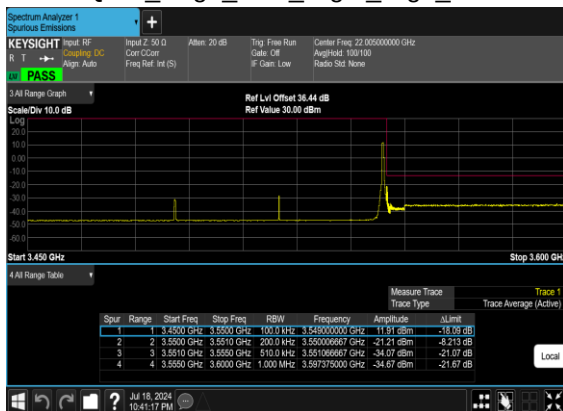




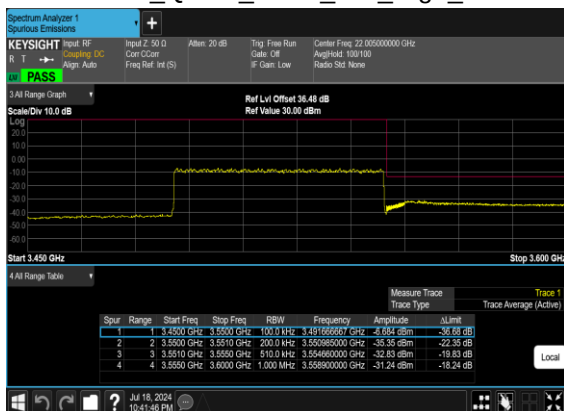
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



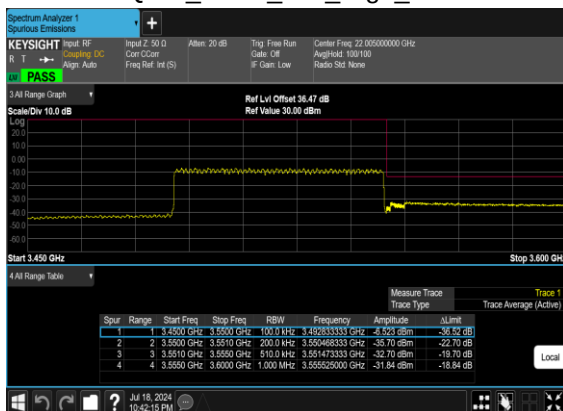
N77(60M)_CP-OFDM_16
QAM_Edge_1RB_Right_High_CH



N77(60M)_CP-
OFDM_QPSK_Outer_Full_High_CH

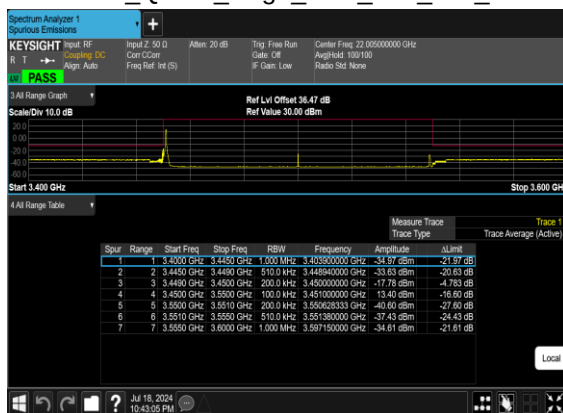


N77(60M)_CP-OFDM_16
QAM_Outer_Full_High_CH

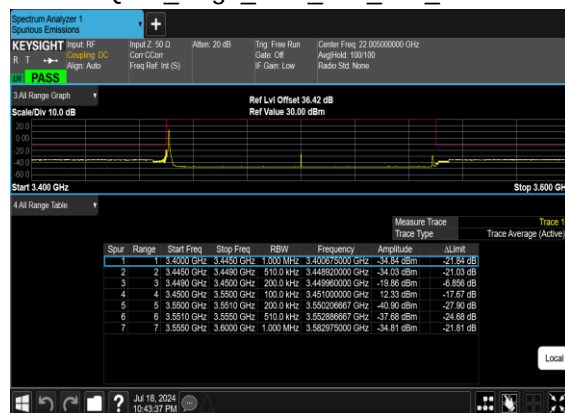




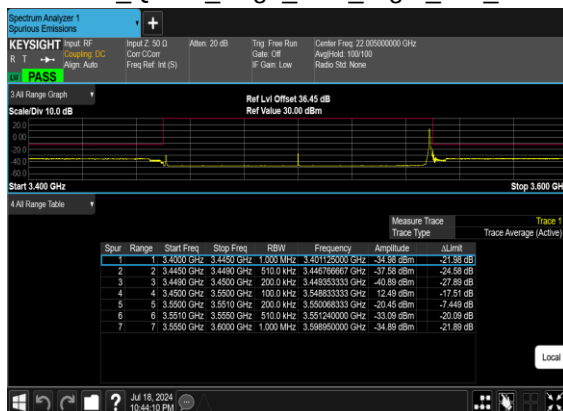
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



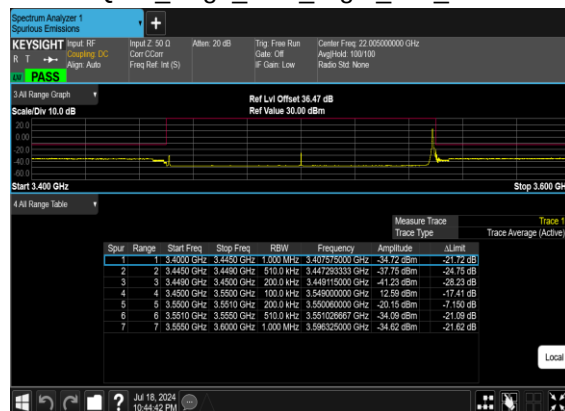
N77(100M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH



N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Right_Mid_CH

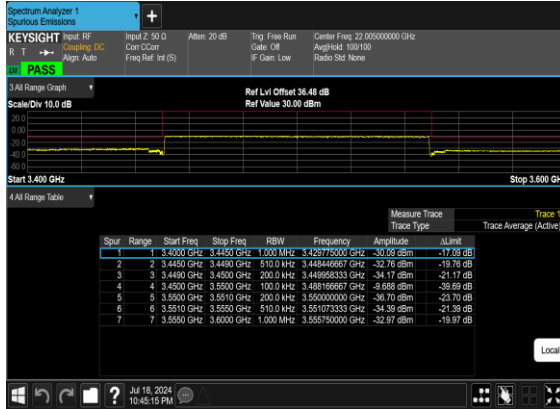


N77(100M)_CP-OFDM_16
QAM_Edge_1RB_Right_Mid_CH

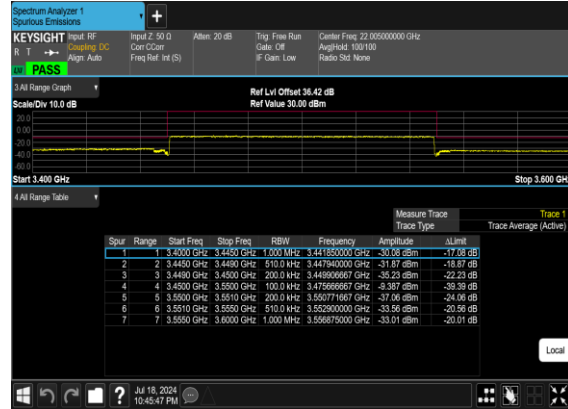




N77(100M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH





Software Version: 23.06.1602

FR1 N78_ANT4

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=-0.56dB

NR Band	SCS	Band Width	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	25.7	25.14	0.3266
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.25	25.69	0.3707
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	26.12	25.56	0.3597
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	25.73	25.17	0.3289
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.76	25.2	0.3311
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	25.56	25	0.3162
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	24.68	24.12	0.2582
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.84	24.28	0.2679
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	24.68	24.12	0.2582
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	23.24	22.68	0.1854
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.14	22.58	0.1811
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	22.99	22.43	0.1750
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	21.23	20.67	0.1167
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.16	20.6	0.1148
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	20.95	20.39	0.1094
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	24.14	23.58	0.2280
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	24.25	23.69	0.2339
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	24.05	23.49	0.2234
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	26.03	25.47	0.3524
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	26.1	25.54	0.3581
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	25.12	24.56	0.2858
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.89	25.33	0.3412
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.88	25.32	0.3404
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.88	24.32	0.2704
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	26.15	25.59	0.3622
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	26.1	25.54	0.3581
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	25.27	24.71	0.2958
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@1	26.13	25.57	0.3606
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	26.18	25.62	0.3648
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	25.24	24.68	0.2938
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.98	25.42	0.3483
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.08	25.52	0.3565
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.12	24.56	0.2858
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	26.14	25.58	0.3614
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	26.08	25.52	0.3565
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	25.43	24.87	0.3069
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	26.11	25.55	0.3589



78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	26.18	25.62	0.3648
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	25.31	24.75	0.2985
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.12	25.56	0.3597
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.17	25.61	0.3639
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.23	24.67	0.2931
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	26.15	25.59	0.3622
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	26.21	25.65	0.3673
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	25.41	24.85	0.3055
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	25.9	25.34	0.3420
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	25.98	25.42	0.3483
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	25.01	24.45	0.2786
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.78	25.22	0.3327
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.83	25.27	0.3365
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.87	24.31	0.2698
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	25.82	25.26	0.3357
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	25.86	25.3	0.3388
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	24.92	24.36	0.2729
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@1	25.93	25.37	0.3443
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	26.02	25.46	0.3516
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	25.04	24.48	0.2805
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.88	25.32	0.3404
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.91	25.35	0.3428
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.99	24.43	0.2773
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	25.76	25.2	0.3311
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	25.81	25.25	0.3350
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	24.87	24.31	0.2698
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@1	25.8	25.24	0.3342
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	25.88	25.32	0.3404
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	24.95	24.39	0.2748
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.93	25.37	0.3443
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.98	25.42	0.3483
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.9	24.34	0.2716
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@1	25.75	25.19	0.3304
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	25.8	25.24	0.3342
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	24.91	24.35	0.2723
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	25.8	25.24	0.3342
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	25.81	25.25	0.3350
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	24.9	24.34	0.2716
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.83	25.27	0.3365
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.96	25.4	0.3467
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.95	24.39	0.2748
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@1	25.87	25.31	0.3396
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	25.82	25.26	0.3357
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	24.97	24.41	0.2761
78	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@1	25.76	25.2	0.3311



78	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	25.81	25.25	0.3350
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	24.87	24.31	0.2698
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.8	25.24	0.3342
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.84	25.28	0.3373
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.89	24.33	0.2710
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@1	25.91	25.35	0.3428
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	25.89	25.33	0.3412
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	24.93	24.37	0.2735



Software Version: 23.06.1602

FR1 N78 UL MIMO_ANT4+6**Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=-0.46dB**

NR Band	SCS	Band Width	Arfcn	Freq(MHz)	Modulation	RB	ANT4 Power(dBm)	ANT6 Power(dBm)	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	21.32	20.35	23.87	23.41	0.2194
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	21.5	21.08	24.31	23.85	0.2424
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	21.1	20.54	23.84	23.38	0.2177
78	30	100	633334	3500.01	CP-OFDM 16 QAM	137@68	20.76	20.28	23.54	23.08	0.2031
78	30	100	633334	3500.01	CP-OFDM 16 QAM	1@1	21.09	20.1	23.63	23.17	0.2077
78	30	100	633334	3500.01	CP-OFDM 16 QAM	1@271	20.75	19.54	23.20	22.74	0.1878
78	30	100	633334	3500.01	CP-OFDM 64 QAM	137@68	19.21	18.39	21.83	21.37	0.1371
78	30	100	633334	3500.01	CP-OFDM 64 QAM	1@1	19.22	18.44	21.86	21.40	0.1380
78	30	100	633334	3500.01	CP-OFDM 64 QAM	1@271	18.99	18.07	21.56	21.10	0.1290
78	30	100	633334	3500.01	CP-OFDM 256 QAM	137@68	16.25	15.38	18.85	18.39	0.0690
78	30	100	633334	3500.01	CP-OFDM 256 QAM	1@1	16.26	15.66	18.98	18.52	0.0711
78	30	100	633334	3500.01	CP-OFDM 256 QAM	1@271	15.88	15.1	18.52	18.06	0.0639
78	30	20	630668	3460.02	CP-OFDM QPSK	1@1	21.78	20.01	23.99	23.53	0.2257
78	30	20	630668	3460.02	CP-OFDM 16 QAM	1@1	21.52	20.27	23.95	23.49	0.2234
78	30	20	630668	3460.02	CP-OFDM 64 QAM	1@1	19.57	18.79	22.21	21.75	0.1495
78	30	20	633334	3500.01	CP-OFDM QPSK	1@1	21.6	20.32	24.02	23.56	0.2268
78	30	20	633334	3500.01	CP-OFDM 16 QAM	1@1	21.31	20.18	23.79	23.33	0.2154
78	30	20	633334	3500.01	CP-OFDM 64 QAM	1@1	19.46	18.62	22.07	21.61	0.1449
78	30	20	636000	3540	CP-OFDM QPSK	1@1	21.26	20.56	23.93	23.47	0.2226
78	30	20	636000	3540	CP-OFDM 16 QAM	1@1	21.49	19.89	23.77	23.31	0.2145
78	30	20	636000	3540	CP-OFDM 64 QAM	1@1	19.58	18.48	22.08	21.62	0.1450
78	30	30	631000	3465	CP-OFDM QPSK	1@1	21.43	20.53	24.01	23.55	0.2267
78	30	30	631000	3465	CP-OFDM 16 QAM	1@1	21.53	20.28	23.96	23.50	0.2239
78	30	30	631000	3465	CP-OFDM 64 QAM	1@1	19.69	18.83	22.29	21.83	0.1525
78	30	30	633334	3500.01	CP-OFDM QPSK	1@1	21.43	20.41	23.96	23.50	0.2239
78	30	30	633334	3500.01	CP-OFDM 16 QAM	1@1	21.4	20.24	23.87	23.41	0.2192
78	30	30	633334	3500.01	CP-OFDM 64 QAM	1@1	19.6	18.76	22.21	21.75	0.1496
78	30	30	635666	3534.99	CP-OFDM QPSK	1@1	21.23	20.71	23.99	23.53	0.2253
78	30	30	635666	3534.99	CP-OFDM 16 QAM	1@1	21.58	20.03	23.88	23.42	0.2200
78	30	30	635666	3534.99	CP-OFDM 64 QAM	1@1	19.73	18.61	22.22	21.76	0.1498
78	30	40	631334	3470.01	CP-OFDM QPSK	1@1	21.6	20.23	23.98	23.52	0.2249
78	30	40	631334	3470.01	CP-OFDM 16 QAM	1@1	21.54	20.31	23.98	23.52	0.2248
78	30	40	631334	3470.01	CP-OFDM 64 QAM	1@1	19.74	18.9	22.35	21.89	0.1545
78	30	40	633334	3500.01	CP-OFDM QPSK	1@1	20.88	20.41	23.66	23.20	0.2090
78	30	40	633334	3500.01	CP-OFDM 16 QAM	1@1	21.47	20.39	23.97	23.51	0.2246
78	30	40	633334	3500.01	CP-OFDM 64 QAM	1@1	19.68	18.85	22.30	21.84	0.1526



78	30	40	635332	3529.98	CP-OFDM QPSK	1@1	21.23	20.78	24.02	23.56	0.2270
78	30	40	635332	3529.98	CP-OFDM 16 QAM	1@1	21.53	20.26	23.95	23.49	0.2234
78	30	40	635332	3529.98	CP-OFDM 64 QAM	1@1	19.73	18.73	22.27	21.81	0.1517
78	30	50	631668	3475.02	CP-OFDM QPSK	1@1	21.58	20.65	24.15	23.69	0.2339
78	30	50	631668	3475.02	CP-OFDM 16 QAM	1@1	21.3	20.11	23.76	23.30	0.2136
78	30	50	631668	3475.02	CP-OFDM 64 QAM	1@1	19.44	18.54	22.02	21.56	0.1433
78	30	50	633334	3500.01	CP-OFDM QPSK	1@1	21.53	20.57	24.09	23.63	0.2305
78	30	50	633334	3500.01	CP-OFDM 16 QAM	1@1	21.17	19.97	23.62	23.16	0.2071
78	30	50	633334	3500.01	CP-OFDM 64 QAM	1@1	19.35	18.51	21.96	21.50	0.1413
78	30	50	635000	3525	CP-OFDM QPSK	1@1	21.48	20.51	24.03	23.57	0.2276
78	30	50	635000	3525	CP-OFDM 16 QAM	1@1	21.28	20.03	23.71	23.25	0.2114
78	30	50	635000	3525	CP-OFDM 64 QAM	1@1	19.67	18.36	22.07	21.61	0.1450
78	30	60	632000	3480	CP-OFDM QPSK	1@1	21.46	20.73	24.12	23.66	0.2323
78	30	60	632000	3480	CP-OFDM 16 QAM	1@1	21.4	20.17	23.84	23.38	0.2177
78	30	60	632000	3480	CP-OFDM 64 QAM	1@1	19.57	18.7	22.17	21.71	0.1482
78	30	60	633334	3500.01	CP-OFDM QPSK	1@1	21.58	20.63	24.14	23.68	0.2334
78	30	60	633334	3500.01	CP-OFDM 16 QAM	1@1	21.25	20.09	23.72	23.26	0.2118
78	30	60	633334	3500.01	CP-OFDM 64 QAM	1@1	19.38	18.56	22.00	21.54	0.1425
78	30	60	634666	3519.99	CP-OFDM QPSK	1@1	21.43	20.67	24.08	23.62	0.2300
78	30	60	634666	3519.99	CP-OFDM 16 QAM	1@1	21.22	20.09	23.70	23.24	0.2110
78	30	60	634666	3519.99	CP-OFDM 64 QAM	1@1	19.34	18.59	21.99	21.53	0.1423
78	30	70	632334	3485.01	CP-OFDM QPSK	1@1	21.61	20.57	24.13	23.67	0.2329
78	30	70	632334	3485.01	CP-OFDM 16 QAM	1@1	21.22	19.99	23.66	23.20	0.2089
78	30	70	632334	3485.01	CP-OFDM 64 QAM	1@1	19.34	18.59	21.99	21.53	0.1423
78	30	70	633334	3500.01	CP-OFDM QPSK	1@1	21.62	20.67	24.18	23.72	0.2356
78	30	70	633334	3500.01	CP-OFDM 16 QAM	1@1	21.16	20.01	23.63	23.17	0.2076
78	30	70	633334	3500.01	CP-OFDM 64 QAM	1@1	19.33	18.54	21.96	21.50	0.1414
78	30	70	634332	3514.98	CP-OFDM QPSK	1@1	21.54	20.73	24.16	23.70	0.2346
78	30	70	634332	3514.98	CP-OFDM 16 QAM	1@1	21.19	20.05	23.67	23.21	0.2093
78	30	70	634332	3514.98	CP-OFDM 64 QAM	1@1	19.32	18.69	22.03	21.57	0.1434
78	30	80	632668	3490.02	CP-OFDM QPSK	1@1	21.56	20.61	24.12	23.66	0.2323
78	30	80	632668	3490.02	CP-OFDM 16 QAM	1@1	21.24	20.08	23.71	23.25	0.2113
78	30	80	632668	3490.02	CP-OFDM 64 QAM	1@1	19.39	18.53	21.99	21.53	0.1423
78	30	80	633334	3500.01	CP-OFDM QPSK	1@1	21.51	20.69	24.13	23.67	0.2328
78	30	80	633334	3500.01	CP-OFDM 16 QAM	1@1	21.23	20.04	23.69	23.23	0.2102
78	30	80	633334	3500.01	CP-OFDM 64 QAM	1@1	19.39	18.56	22.01	21.55	0.1427
78	30	80	634000	3510	CP-OFDM QPSK	1@1	21.51	20.69	24.13	23.67	0.2328
78	30	80	634000	3510	CP-OFDM 16 QAM	1@1	21.05	20.17	23.64	23.18	0.2081
78	30	80	634000	3510	CP-OFDM 64 QAM	1@1	19.37	18.74	22.08	21.62	0.1451
78	30	90	633000	3495	CP-OFDM QPSK	1@1	21.52	20.62	24.10	23.64	0.2314
78	30	90	633000	3495	CP-OFDM 16 QAM	1@1	21.19	20.14	23.71	23.25	0.2112
78	30	90	633000	3495	CP-OFDM 64 QAM	1@1	19.35	18.62	22.01	21.55	0.1429
78	30	90	633334	3500.01	CP-OFDM QPSK	1@1	21.53	20.57	24.09	23.63	0.2305
78	30	90	633334	3500.01	CP-OFDM 16 QAM	1@1	21.16	20.04	23.65	23.19	0.2083
78	30	90	633334	3500.01	CP-OFDM 64 QAM	1@1	19.36	18.59	22.00	21.54	0.1426



78	30	90	633666	3504.99	CP-OFDM QPSK	1@1	21.42	20.61	24.04	23.58	0.2283
78	30	90	633666	3504.99	CP-OFDM 16 QAM	1@1	21.17	20.04	23.65	23.19	0.2085
78	30	90	633666	3504.99	CP-OFDM 64 QAM	1@1	19.34	18.59	21.99	21.53	0.1423

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Bruce	Temperature :	23~25°C
		Relative Humidity :	41~42%

RSE pre-scanned harmonic for different antennas, choose the worst antenna perform final test and record in the report.

SA n77 / NR 100MHz / QPSK / ANT4								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6900	-59.93	-13	-46.93	-70.14	3.03	13.24	H
	10356	-46.56	-13	-33.56	-56.01	3.56	13.01	H
	13800	-42.86	-13	-29.86	-52.38	3.92	13.44	H
	17256	-47.25	-13	-34.25	-56.39	4.51	13.65	H
	6900	-58.69	-13	-45.69	-68.90	3.03	13.24	V
	10356	-46.38	-13	-33.38	-55.83	3.56	13.01	V
	13800	-47.57	-13	-34.57	-57.09	3.92	13.44	V
	17256	-55.21	-13	-42.21	-64.35	4.51	13.65	V

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

EN-DC_7A_n77A / LTE 10MHz + NR 100MHz / QPSK / ANT3 (LTE) & ANT4 (NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6900	-57.33	-13	-44.33	-67.54	3.03	13.24	H
	10356	-48.52	-13	-35.52	-57.97	3.56	13.01	H
	13800	-46.94	-13	-33.94	-56.46	3.92	13.44	H
	17256	-55.99	-13	-42.99	-65.13	4.51	13.65	H
	6900	-58.23	-13	-45.23	-68.44	3.03	13.24	V
	10356	-49.81	-13	-36.81	-59.26	3.56	13.01	V
	13800	-51.91	-13	-38.91	-61.43	3.92	13.44	V
	17256	-60.43	-13	-47.43	-69.57	4.51	13.65	V

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



SA n77 UL_MIMO / NR 100MHz / QPSK / ANT4+6(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6900	-61.54	-13	-48.54	-71.75	3.03	13.24	H
	10356	-58.05	-13	-45.05	-67.50	3.56	13.01	H
	13800	-52.85	-13	-39.85	-62.37	3.92	13.44	H
	6900	-63.44	-13	-50.44	-73.65	3.03	13.24	V
	10356	-54.33	-13	-41.33	-63.78	3.56	13.01	V
	13800	-58.34	-13	-45.34	-67.86	3.92	13.44	V

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