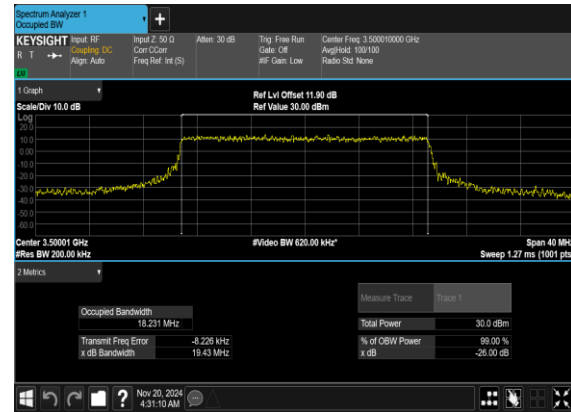




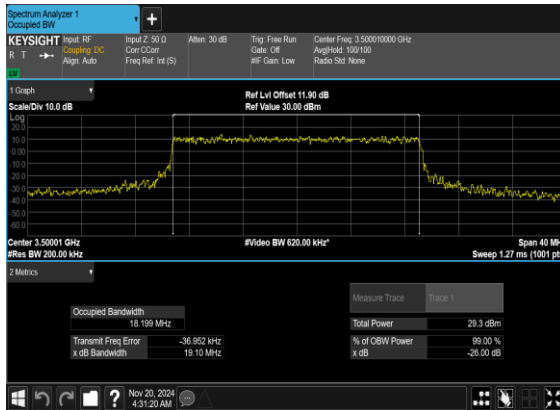
N77(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



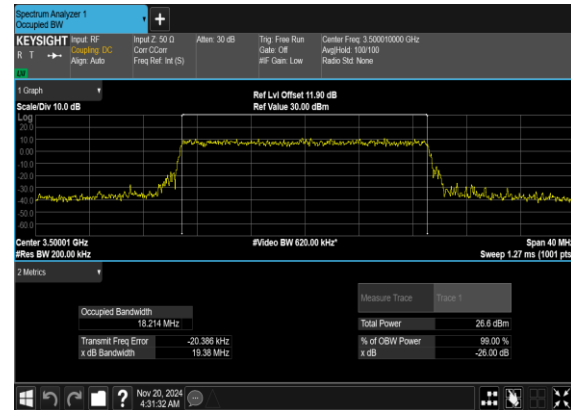
N77(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

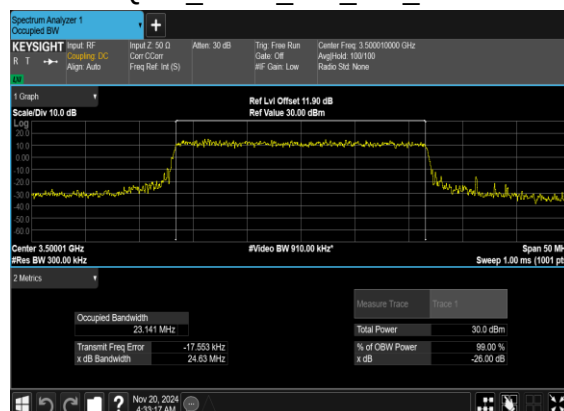




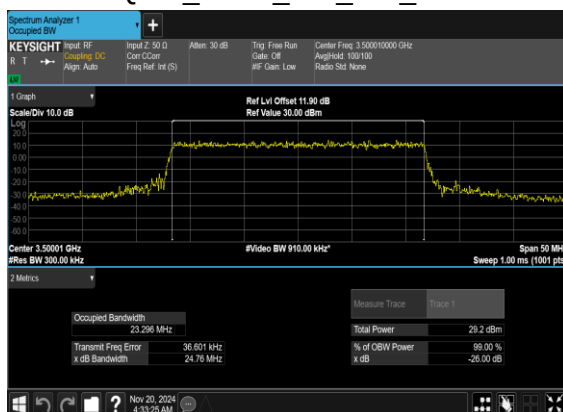
N77(25M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



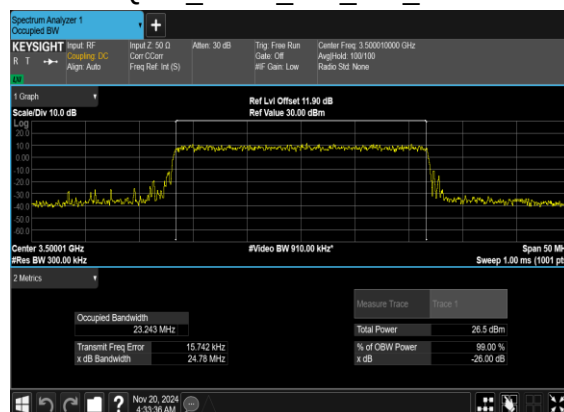
N77(25M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(25M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

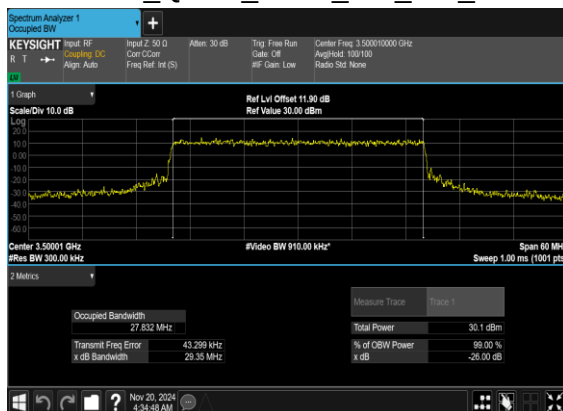


N77(25M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

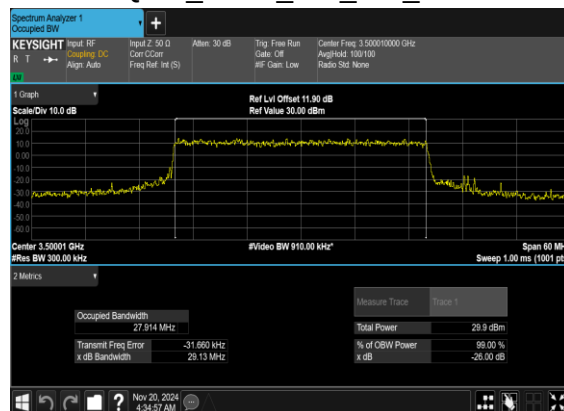




N77(30M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



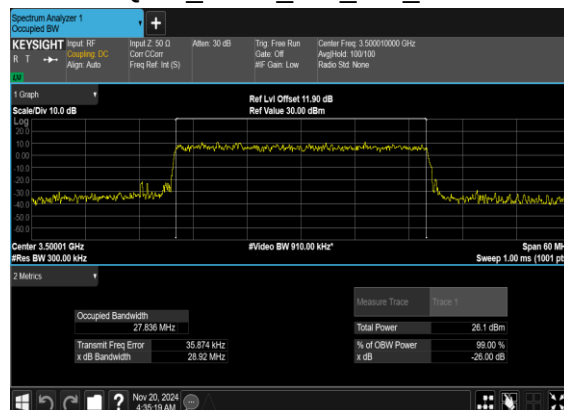
N77(30M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(30M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

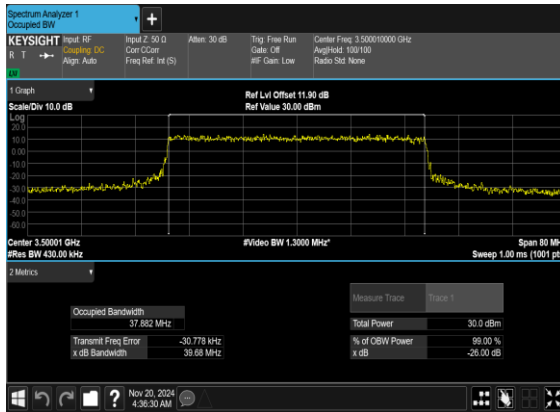


N77(30M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

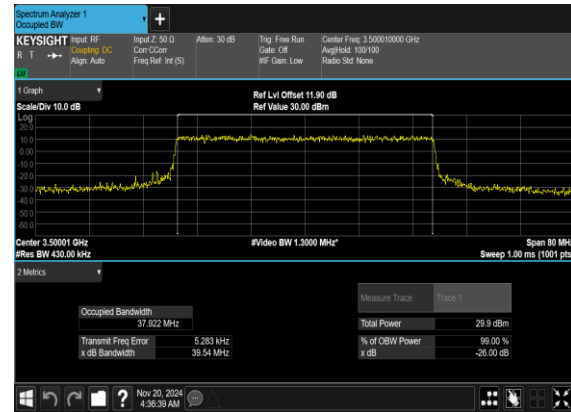




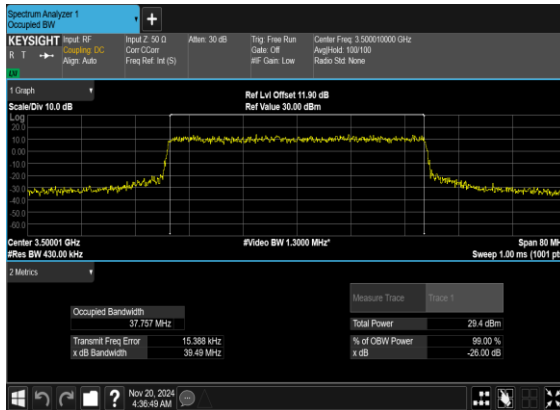
N77(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



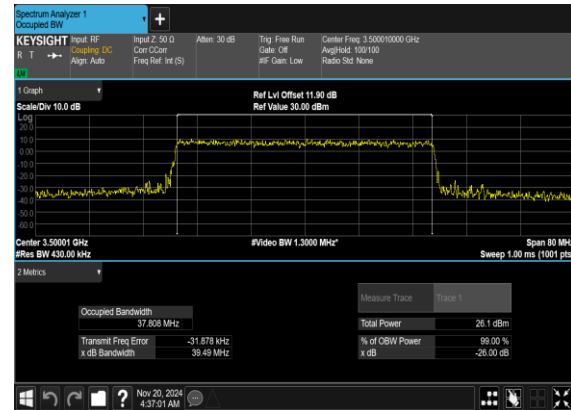
N77(40M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

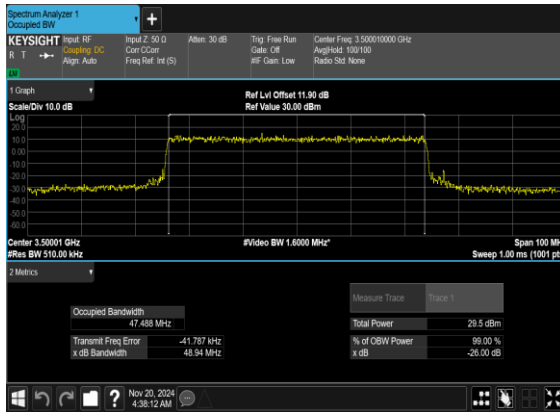


N77(40M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

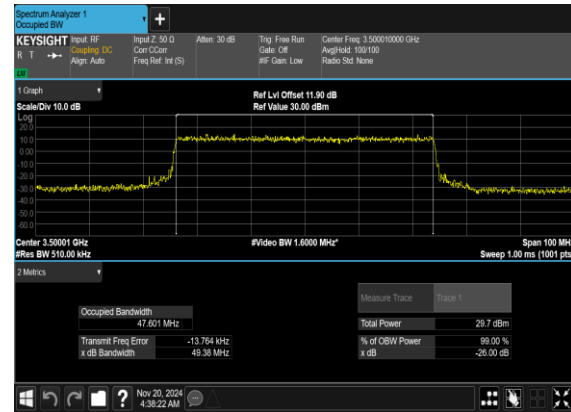




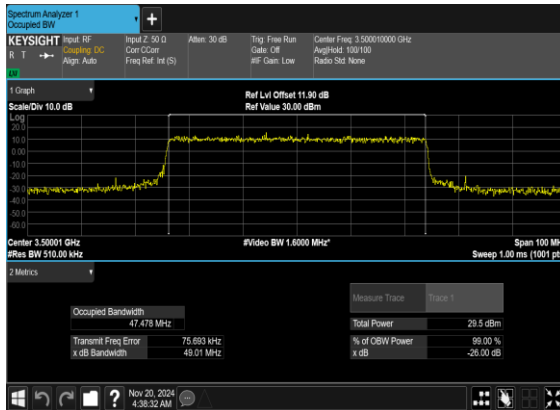
N77(50M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



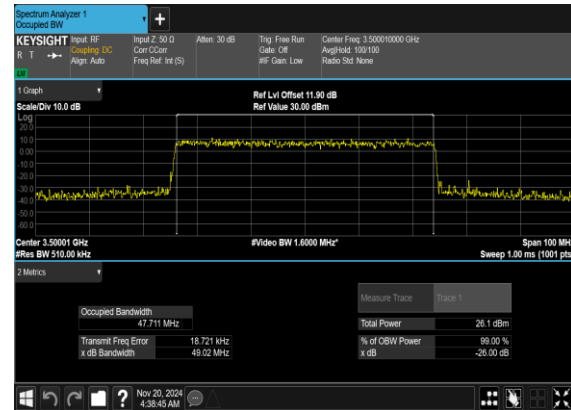
N77(50M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

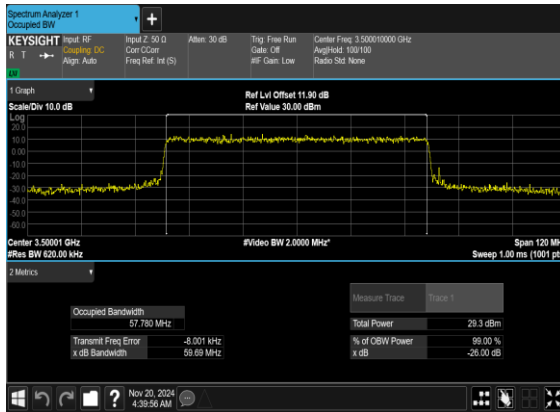


N77(50M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

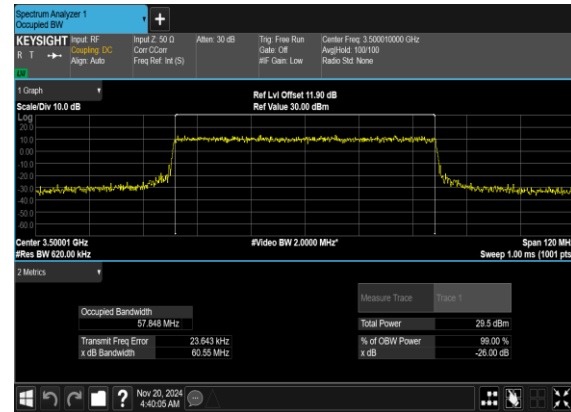




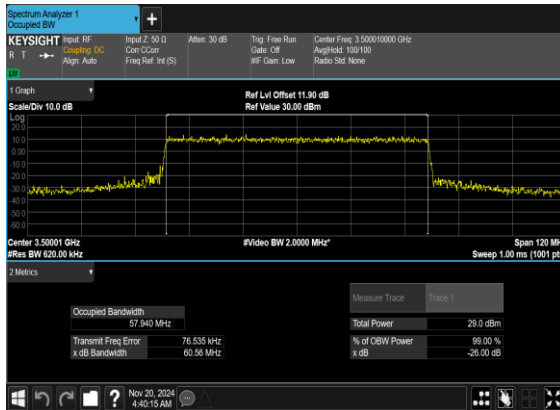
N77(60M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



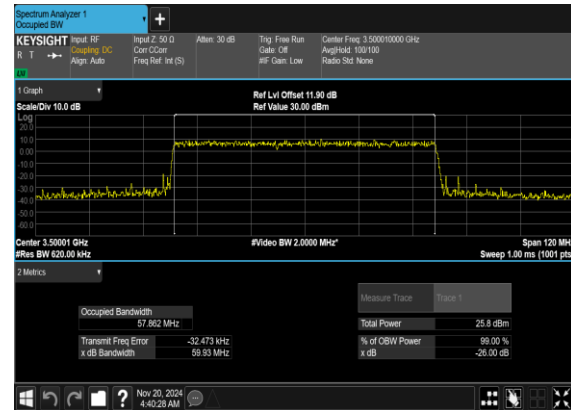
N77(60M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(60M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

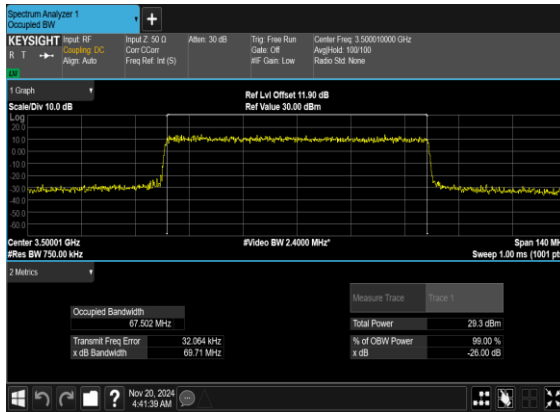


N77(60M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

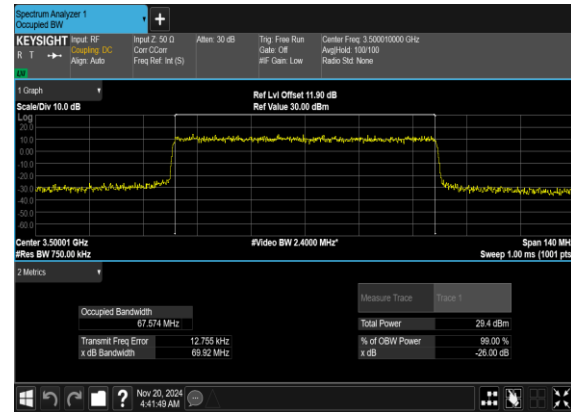




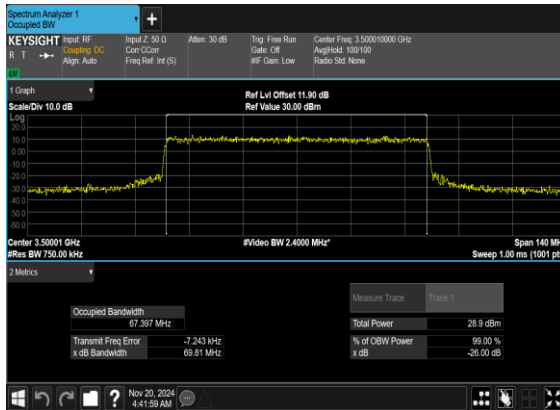
N77(70M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



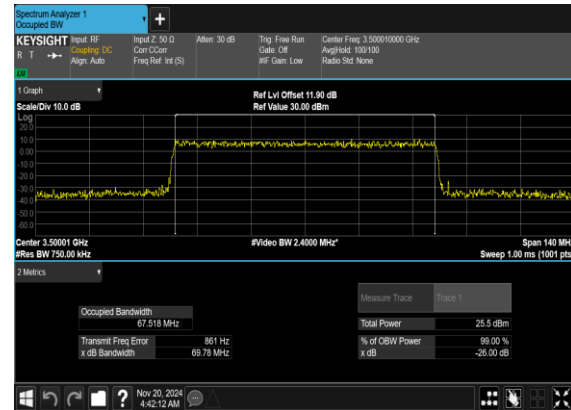
N77(70M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(70M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

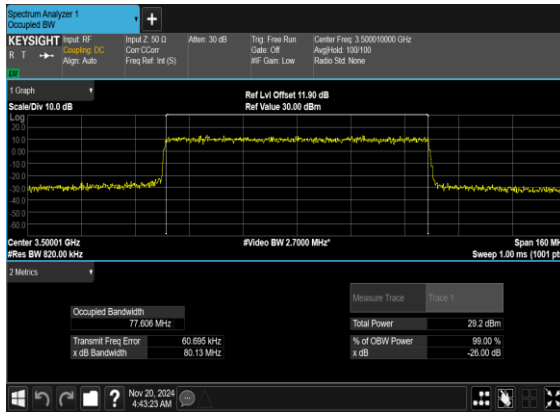


N77(70M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

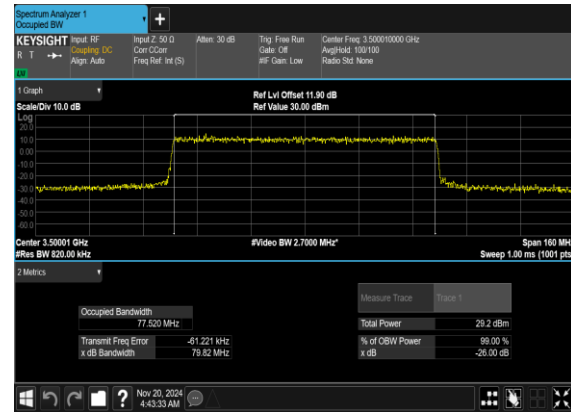




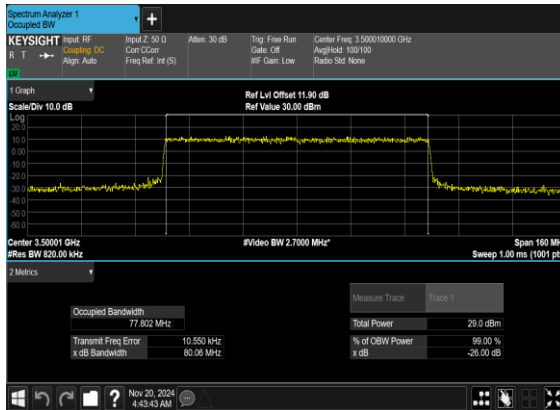
N77(80M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



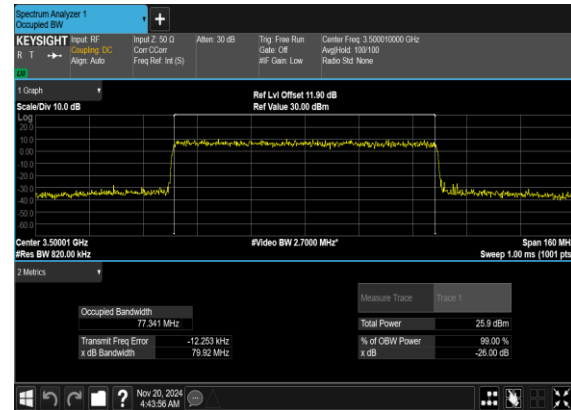
N77(80M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(80M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

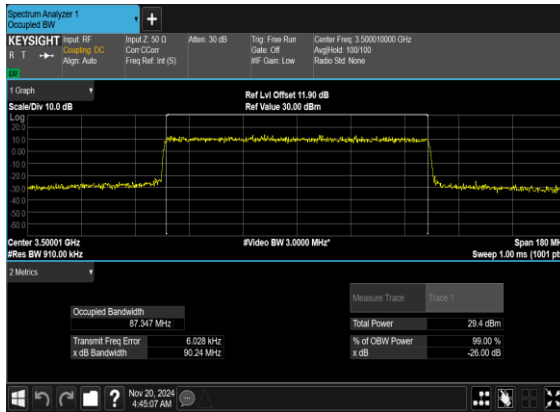


N77(80M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

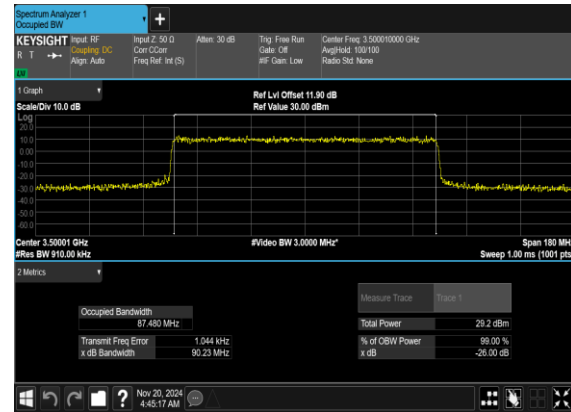




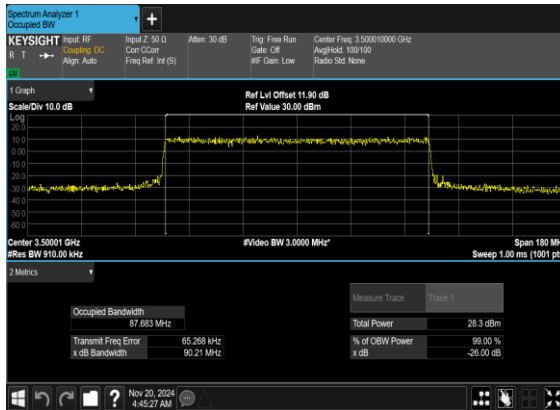
N77(90M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



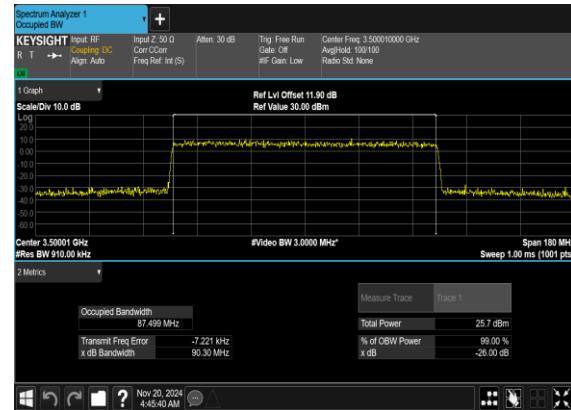
N77(90M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(90M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

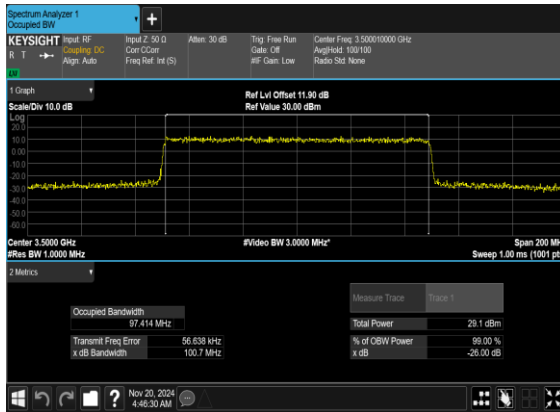


N77(90M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

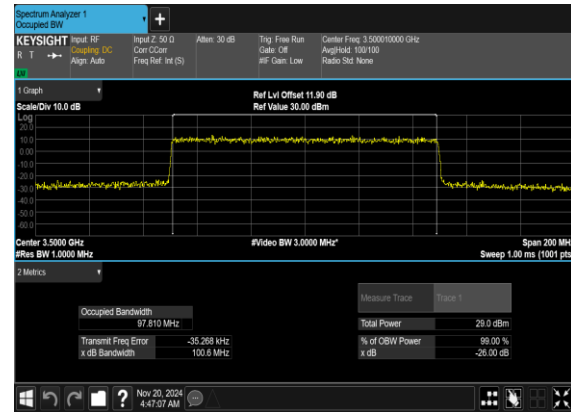




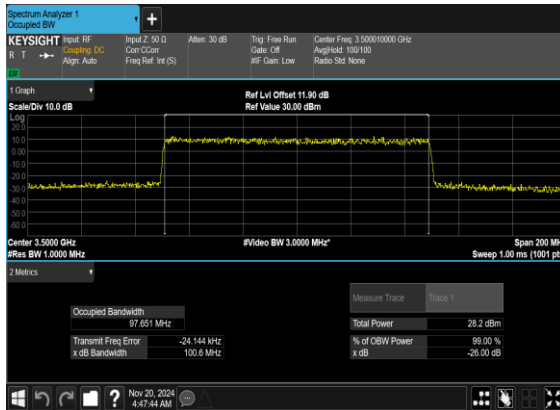
N77(100M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



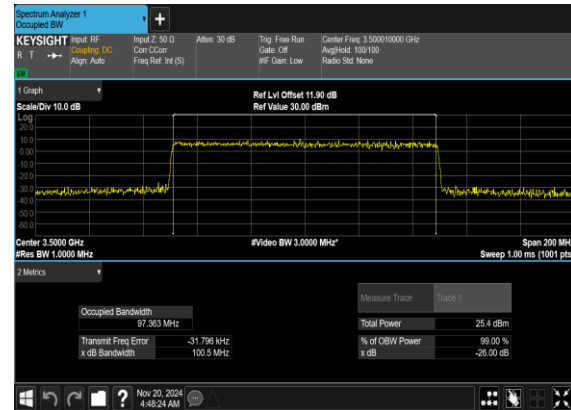
N77(100M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



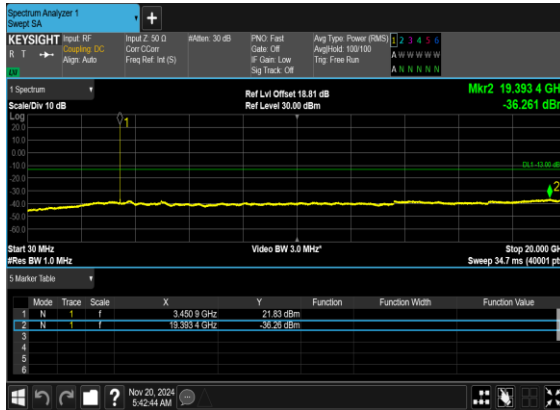
Conducted Spurious Emissions

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

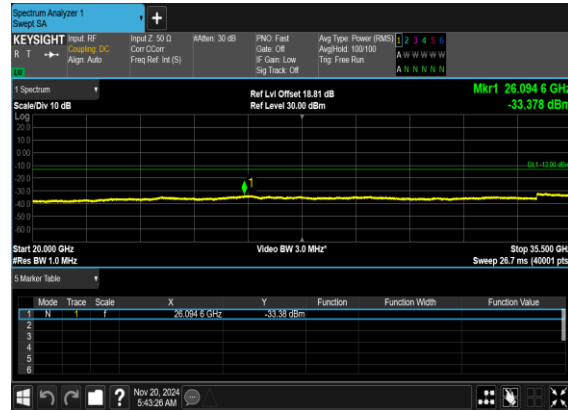


77	30	100	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
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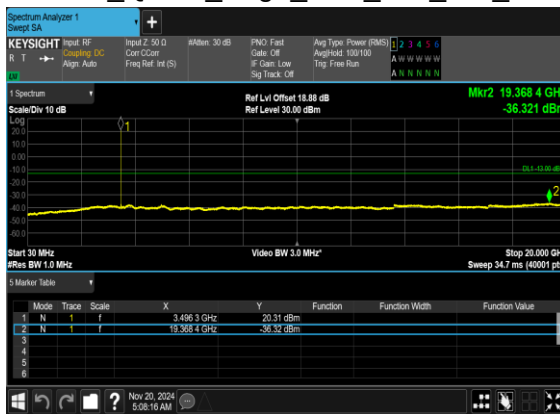
N77(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



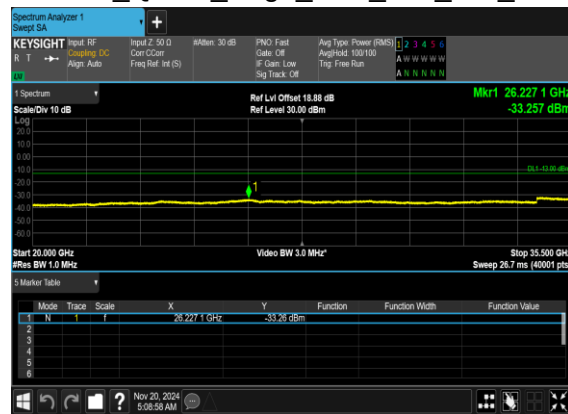
N77(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

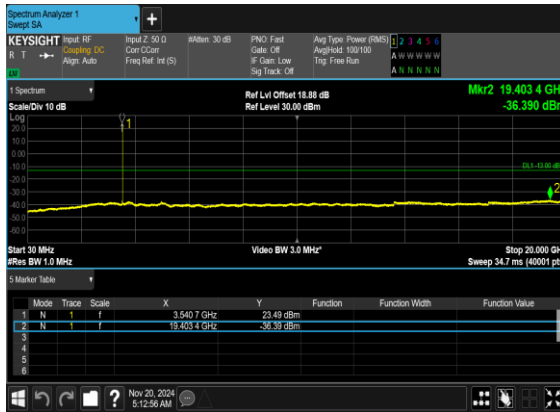


N77(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

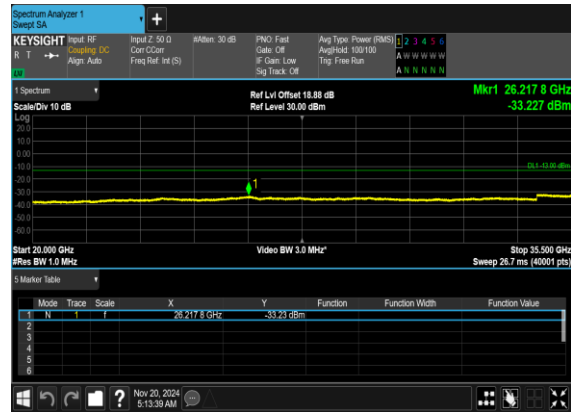




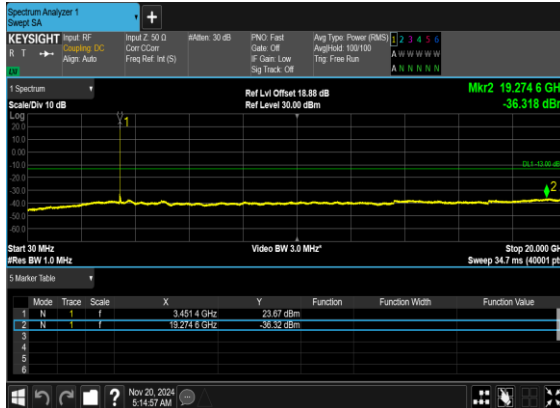
N77(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



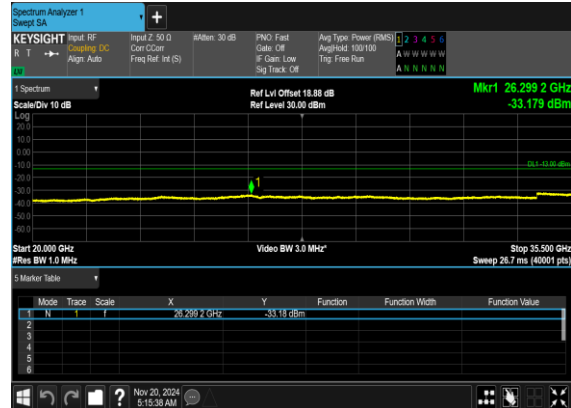
N77(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH

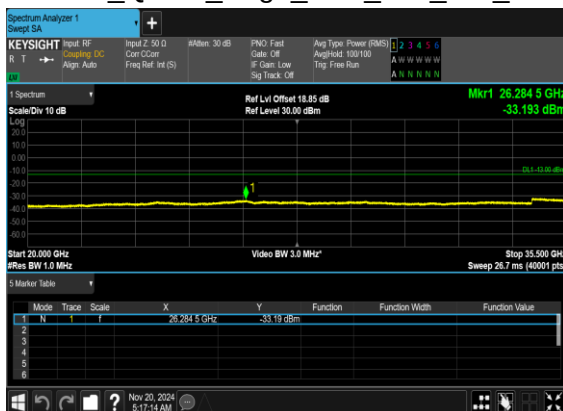




N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

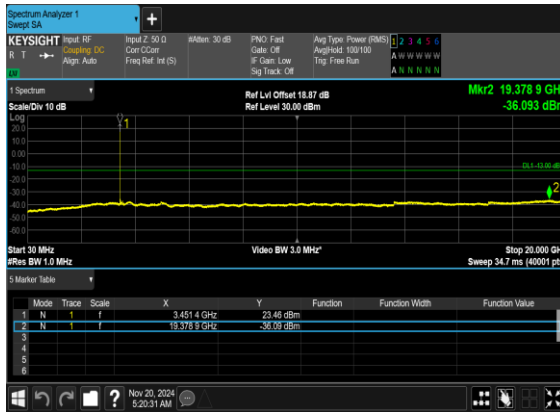


N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

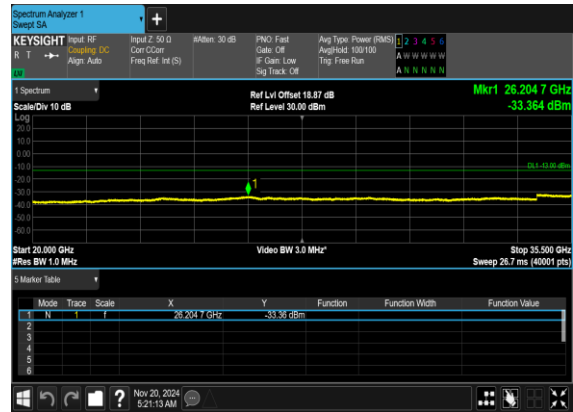




N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

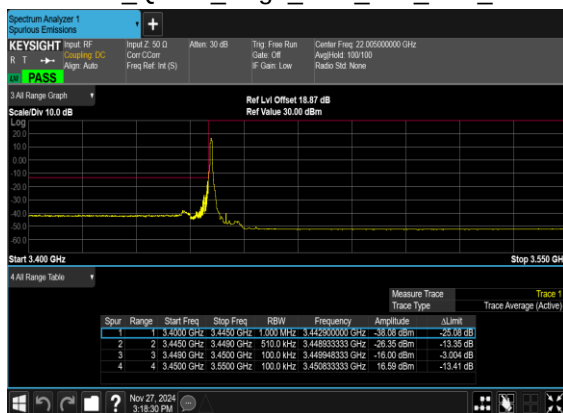


**Conducted Band Edge**

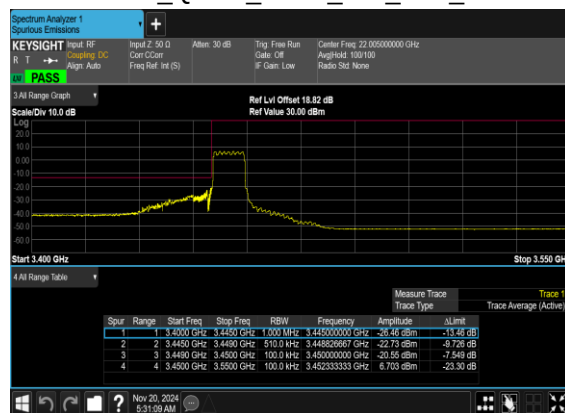
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	630334	3455.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	10	630334	3455.01	CP-OFDM QPSK	24@0	see graph	PASS
77	30	10	636332	3544.98	CP-OFDM QPSK	1@23	see graph	PASS
77	30	10	636332	3544.98	CP-OFDM QPSK	24@0	see graph	PASS
77	30	50	631668	3475.02	CP-OFDM QPSK	1@0	see graph	PASS
77	30	50	631668	3475.02	CP-OFDM QPSK	133@0	see graph	PASS
77	30	50	635000	3525.0	CP-OFDM QPSK	1@132	see graph	PASS
77	30	50	635000	3525.0	CP-OFDM QPSK	133@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 QPSK	1@272	see graph	PASS
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	see graph	PASS



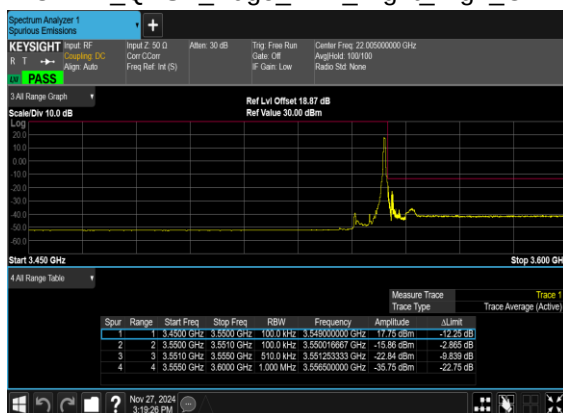
N77(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



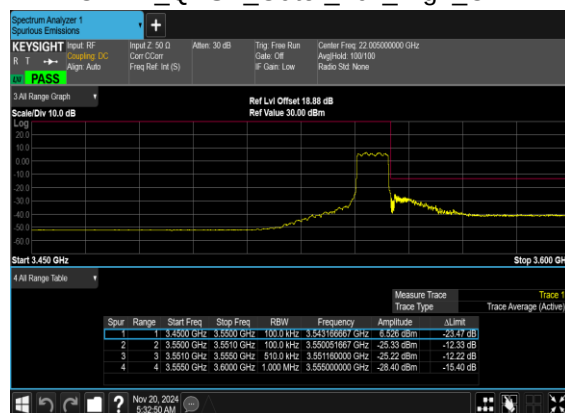
N77(10M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



N77(10M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH

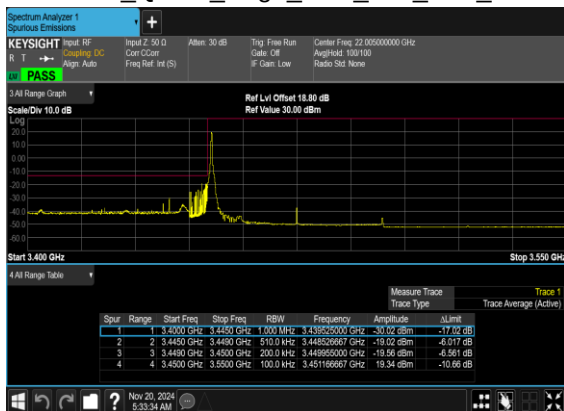


N77(10M)_CP-
OFDM_QPSK_Outer_Full_High_CH

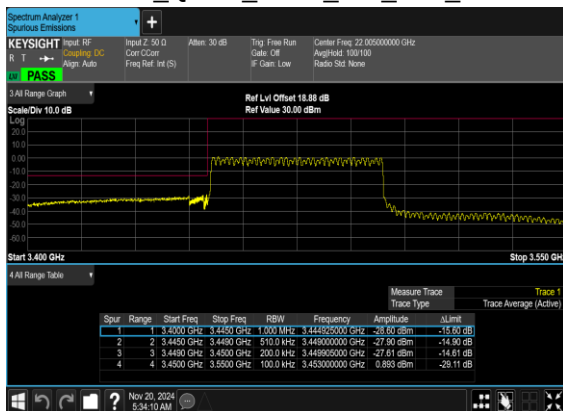




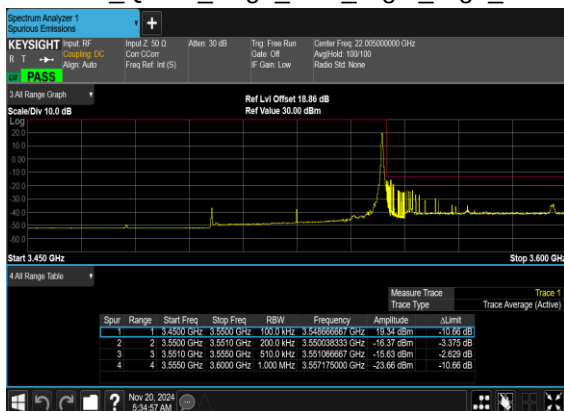
N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



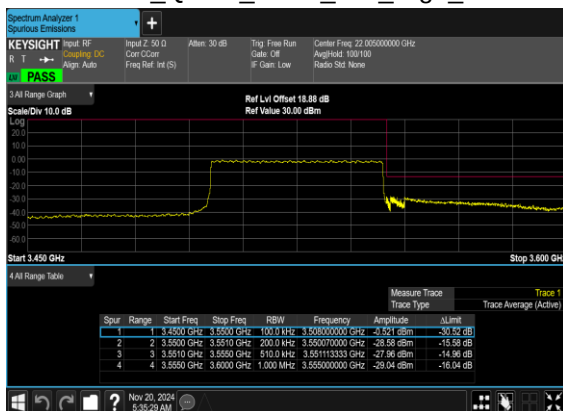
N77(50M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH

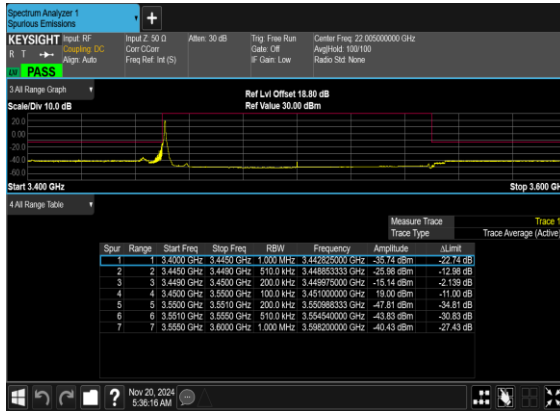


N77(50M)_CP-
OFDM_QPSK_Outer_Full_High_CH

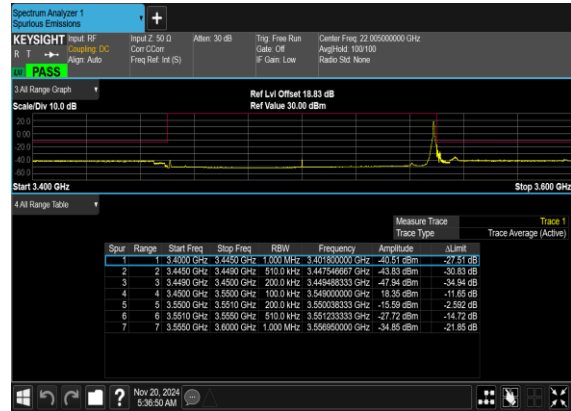




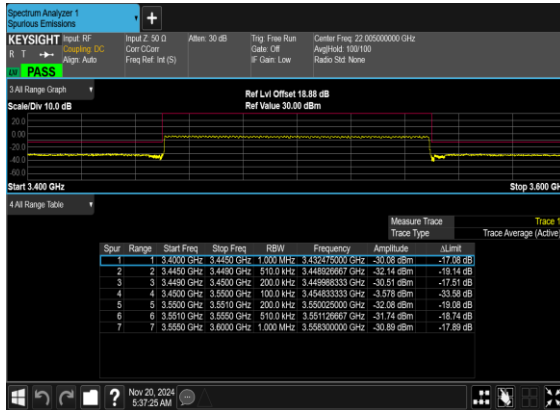
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Right_Mid_CH



N77(100M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH





Software Version: 23.06.1602

FR1 N78 MIMO ANT5+6

Transmitter Conducted Output Power And EIRP, ($G_T - L_c$)=-0.9 dB

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	ANT5 Power (dBm)	ANT6 Power (dBm)	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
78	30	10	630334	3455.01	CP-OFDM QPSK	1@1	21.34	21.87	24.62	23.72	0.2355
78	30	10	630334	3455.01	CP-OFDM 16 QAM	1@1	20.9	21.08	24.00	23.1	0.2042
78	30	10	633334	3500.01	CP-OFDM QPSK	1@1	22.58	22.1	25.36	24.46	0.2793
78	30	10	633334	3500.01	CP-OFDM 16 QAM	1@1	22.21	21.27	24.78	23.88	0.2443
78	30	10	636332	3544.98	CP-OFDM QPSK	1@1	22.9	21.8	25.40	24.5	0.2818
78	30	10	636332	3544.98	CP-OFDM 16 QAM	1@1	22.55	21.22	24.95	24.05	0.2541
78	30	15	630500	3457.5	CP-OFDM QPSK	1@1	21.64	22.04	24.85	23.95	0.2483
78	30	15	630500	3457.5	CP-OFDM 16 QAM	1@1	21.21	21.26	24.25	23.35	0.2163
78	30	15	633334	3500.01	CP-OFDM QPSK	1@1	22.49	22.04	25.28	24.38	0.2742
78	30	15	633334	3500.01	CP-OFDM 16 QAM	1@1	22.05	21.4	24.75	23.85	0.2427
78	30	15	636166	3542.49	CP-OFDM QPSK	1@1	22.89	21.75	25.37	24.47	0.2799
78	30	15	636166	3542.49	CP-OFDM 16 QAM	1@1	22.2	21.19	24.73	23.83	0.2415
78	30	20	630668	3460.02	CP-OFDM QPSK	1@1	21.63	22.11	24.89	23.99	0.2506
78	30	20	630668	3460.02	CP-OFDM 16 QAM	1@1	21.27	21.31	24.30	23.4	0.2188
78	30	20	633334	3500.01	CP-OFDM QPSK	1@1	22.33	22.03	25.19	24.29	0.2685
78	30	20	633334	3500.01	CP-OFDM 16 QAM	1@1	21.85	21.24	24.57	23.67	0.2328
78	30	20	636000	3540	CP-OFDM QPSK	1@1	22.68	21.87	25.30	24.4	0.2754
78	30	20	636000	3540	CP-OFDM 16 QAM	1@1	22.23	21.09	24.71	23.81	0.2404
78	30	25	630834	3462.51	CP-OFDM QPSK	1@1	21.8	22.26	25.05	24.15	0.2600
78	30	25	630834	3462.51	CP-OFDM 16 QAM	1@1	21.24	21.69	24.48	23.58	0.2280
78	30	25	633334	3500.01	CP-OFDM QPSK	1@1	23	22.24	25.65	24.75	0.2985
78	30	25	633334	3500.01	CP-OFDM 16 QAM	1@1	22.63	21.51	25.12	24.22	0.2642
78	30	25	635832	3537.48	CP-OFDM QPSK	1@1	22.81	22.07	25.47	24.57	0.2864
78	30	25	635832	3537.48	CP-OFDM 16 QAM	1@1	22.7	21.23	25.04	24.14	0.2594
78	30	30	631000	3465	CP-OFDM QPSK	1@1	22.17	22.39	25.29	24.39	0.2748
78	30	30	631000	3465	CP-OFDM 16 QAM	1@1	21.77	21.63	24.71	23.81	0.2404
78	30	30	633334	3500.01	CP-OFDM QPSK	1@1	22.97	22.34	25.68	24.78	0.3006
78	30	30	633334	3500.01	CP-OFDM 16 QAM	1@1	22.75	21.58	25.21	24.31	0.2698
78	30	30	635666	3534.99	CP-OFDM QPSK	1@1	23.05	22.18	25.65	24.75	0.2985
78	30	30	635666	3534.99	CP-OFDM 16 QAM	1@1	22.36	21.38	24.91	24.01	0.2518
78	30	40	631334	3470.01	CP-OFDM QPSK	1@1	21.43	22.15	24.82	23.92	0.2466
78	30	40	631334	3470.01	CP-OFDM 16 QAM	1@1	20.97	21.45	24.23	23.33	0.2153
78	30	40	633334	3500.01	CP-OFDM QPSK	1@1	22.85	22.28	25.58	24.68	0.2938
78	30	40	633334	3500.01	CP-OFDM 16 QAM	1@1	22.43	21.37	24.94	24.04	0.2535
78	30	40	635332	3529.98	CP-OFDM QPSK	1@1	23.13	22.18	25.69	24.79	0.3013
78	30	40	635332	3529.98	CP-OFDM 16 QAM	1@1	22.73	21.35	25.10	24.2	0.2630
78	30	50	631668	3475.02	CP-OFDM QPSK	1@1	22.17	22.43	25.31	24.41	0.2761
78	30	50	631668	3475.02	CP-OFDM 16 QAM	1@1	22.49	21.65	25.10	24.2	0.2630



78	30	50	633334	3500.01	CP-OFDM QPSK	1@1	23.07	22.44	25.78	24.88	0.3076
78	30	50	633334	3500.01	CP-OFDM 16 QAM	1@1	22.41	21.68	25.07	24.17	0.2612
78	30	50	635000	3525	CP-OFDM QPSK	1@1	23.02	22.46	25.76	24.86	0.3062
78	30	50	635000	3525	CP-OFDM 16 QAM	1@1	22.56	21.58	25.11	24.21	0.2636
78	30	60	632000	3480	CP-OFDM QPSK	1@1	21.45	22.37	24.94	24.04	0.2535
78	30	60	632000	3480	CP-OFDM 16 QAM	1@1	21.03	21.64	24.36	23.46	0.2218
78	30	60	633334	3500.01	CP-OFDM QPSK	1@1	22.35	22.31	25.34	24.44	0.2780
78	30	60	633334	3500.01	CP-OFDM 16 QAM	1@1	21.89	21.59	24.75	23.85	0.2427
78	30	60	634666	3519.99	CP-OFDM QPSK	1@1	22.38	22.31	25.36	24.46	0.2793
78	30	60	634666	3519.99	CP-OFDM 16 QAM	1@1	22	21.57	24.80	23.9	0.2455
78	30	70	632334	3485.01	CP-OFDM QPSK	1@1	22.93	22.44	25.70	24.8	0.3020
78	30	70	632334	3485.01	CP-OFDM 16 QAM	1@1	22.39	21.58	25.01	24.11	0.2576
78	30	70	633334	3500.01	CP-OFDM QPSK	1@1	23.04	22.4	25.74	24.84	0.3048
78	30	70	633334	3500.01	CP-OFDM 16 QAM	1@1	22.3	21.74	25.04	24.14	0.2594
78	30	70	634332	3514.98	CP-OFDM QPSK	1@1	23.01	22.54	25.79	24.89	0.3083
78	30	70	634332	3514.98	CP-OFDM 16 QAM	1@1	22.54	21.77	25.18	24.28	0.2679
78	30	80	632668	3490.02	CP-OFDM QPSK	1@1	22.98	22.55	25.78	24.88	0.3076
78	30	80	632668	3490.02	CP-OFDM 16 QAM	1@1	22.27	21.64	24.98	24.08	0.2559
78	30	80	633334	3500.01	CP-OFDM QPSK	1@1	22.94	22.53	25.75	24.85	0.3055
78	30	80	633334	3500.01	CP-OFDM 16 QAM	1@1	22.31	21.85	25.10	24.2	0.2630
78	30	80	634000	3510	CP-OFDM QPSK	1@1	23	22.54	25.79	24.89	0.3083
78	30	80	634000	3510	CP-OFDM 16 QAM	1@1	22.22	21.74	25.00	24.1	0.2570
78	30	90	633000	3495	CP-OFDM QPSK	1@1	23.08	22.62	25.87	24.97	0.3141
78	30	90	633000	3495	CP-OFDM 16 QAM	1@1	22.52	21.82	25.19	24.29	0.2685
78	30	90	633334	3500.01	CP-OFDM QPSK	1@1	23.19	22.52	25.88	24.98	0.3148
78	30	90	633334	3500.01	CP-OFDM 16 QAM	1@1	22.27	21.95	25.12	24.22	0.2642
78	30	90	633666	3504.99	CP-OFDM QPSK	1@1	23.22	22.51	25.89	24.99	0.3155
78	30	90	633666	3504.99	CP-OFDM 16 QAM	1@1	22.38	22.02	25.21	24.31	0.2698
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	22.18	21.92	25.06	24.16	0.2606
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	23.01	22.76	25.90	25	0.3162
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	22.93	21.79	25.41	24.51	0.2825
78	30	100	633334	3500.01	CP-OFDM 16 QAM	137@68	22.49	21.64	25.10	24.2	0.2630
78	30	100	633334	3500.01	CP-OFDM 16 QAM	1@1	22.67	22.01	25.36	24.46	0.2793
78	30	100	633334	3500.01	CP-OFDM 16 QAM	1@271	21.99	21.02	24.54	23.64	0.2312
78	30	100	633334	3500.01	CP-OFDM 64 QAM	137@68	20.9	20.17	23.56	22.66	0.1845
78	30	100	633334	3500.01	CP-OFDM 64 QAM	1@1	21.09	20.46	23.80	22.9	0.1950
78	30	100	633334	3500.01	CP-OFDM 64 QAM	1@271	20.68	19.57	23.17	22.27	0.1687
78	30	100	633334	3500.01	CP-OFDM 256 QAM	137@68	18.81	17.17	21.08	20.18	0.1042
78	30	100	633334	3500.01	CP-OFDM 256 QAM	1@1	18.03	17.8	20.93	20.03	0.1007
78	30	100	633334	3500.01	CP-OFDM 256 QAM	1@271	17.66	16.82	20.27	19.37	0.0865

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Smile Wang	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.

n77 SA / NR 100MHz / QPSK(ANT10)								
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	6912	-64.07	-13	-51.07	-74.28	3.03	13.24	H
	10368	-61.90	-13	-48.90	-71.35	3.56	13.01	H
	13824	-60.25	-13	-47.25	-69.77	3.92	13.44	H
	6912	-63.68	-13	-50.68	-73.89	3.03	13.24	V
	10368	-61.94	-13	-48.94	-71.39	3.56	13.01	V
	13824	-60.44	-13	-47.44	-69.96	3.92	13.44	V

EN-DC_41A_n77A / LTE 10MHz + NR 100MHz / QPSK(ANT5+10)								
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	6912	-64.15	-13	-51.15	-74.36	3.03	13.24	H
	10368	-61.33	-13	-48.33	-70.78	3.56	13.01	H
	13824	-60.05	-13	-47.05	-69.57	3.92	13.44	H
	6912	-64.15	-13	-51.15	-74.36	3.03	13.24	V
	10368	-61.82	-13	-48.82	-71.27	3.56	13.01	V
	13824	-60.22	-13	-47.22	-69.74	3.92	13.44	V

n77 UL MIMO / 100MHz / QPSK(ANT10+4)								
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	7594	-62.80	-13	-49.80	-73.01	3.03	13.24	H
	11389	-61.41	-13	-48.41	-70.86	3.56	13.01	H
	15184	-59.45	-13	-46.45	-68.97	3.92	13.44	H
	7594	-62.89	-13	-49.89	-73.10	3.03	13.24	V
	11389	-61.21	-13	-48.21	-70.66	3.56	13.01	V
	15184	-58.87	-13	-45.87	-68.39	3.92	13.44	V

n77 SA / NR 100MHz / QPSK(ANT6) - Other PA								
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	6912	-63.86	-13	-50.86	-74.07	3.03	13.24	H
	10368	-61.59	-13	-48.59	-71.04	3.56	13.01	H
	13824	-60.06	-13	-47.06	-69.58	3.92	13.44	H
	6912	-63.97	-13	-50.97	-74.18	3.03	13.24	V
	10368	-61.53	-13	-48.53	-70.98	3.56	13.01	V
	13824	-60.08	-13	-47.08	-69.60	3.92	13.44	V

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