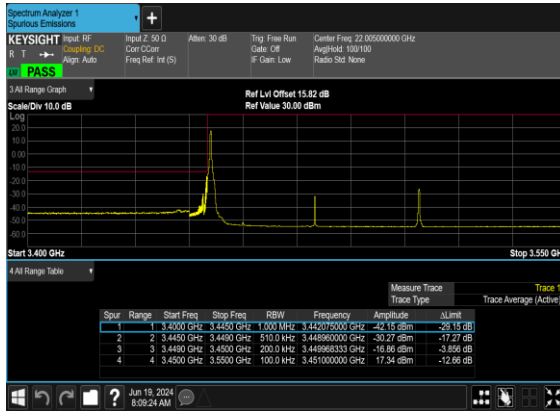
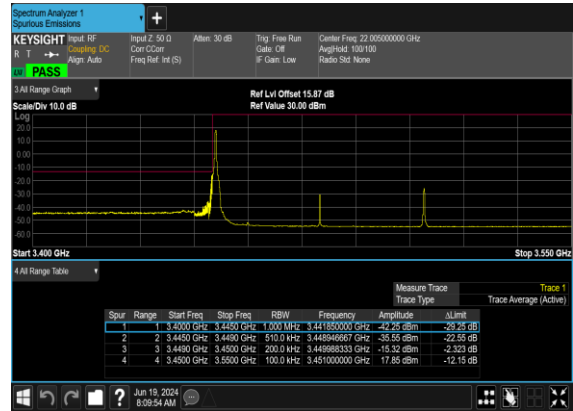




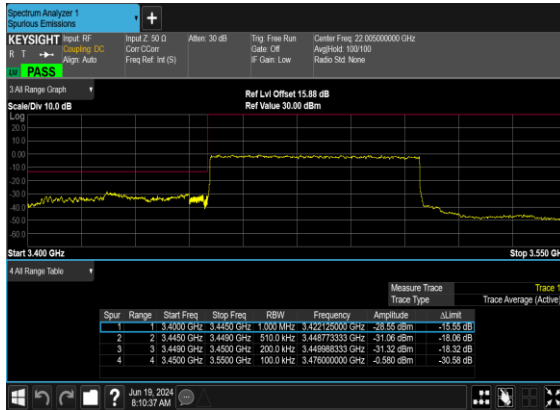
B2_N77(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



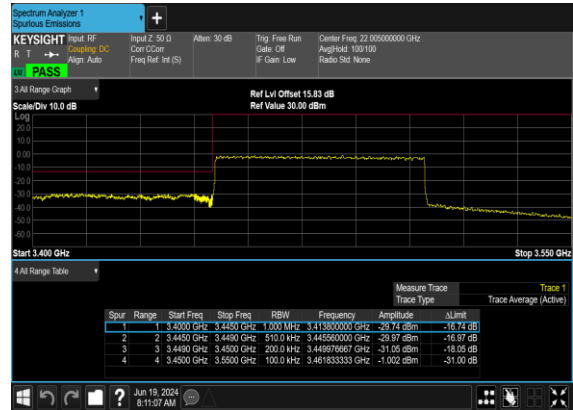
B2_N77(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



B2_N77(60M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

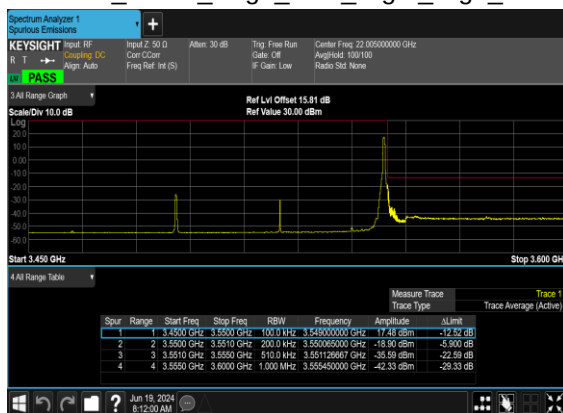


B2_N77(60M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

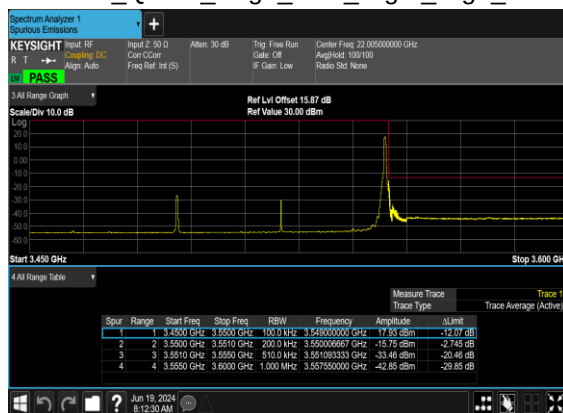




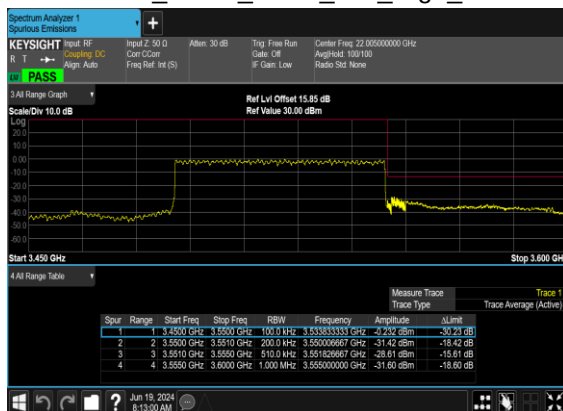
B2_N77(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



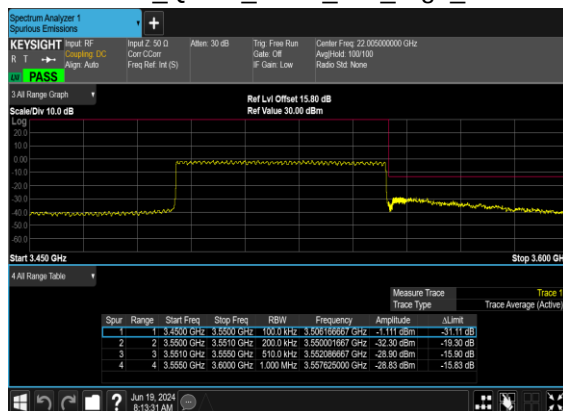
B2_N77(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



B2_N77(60M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

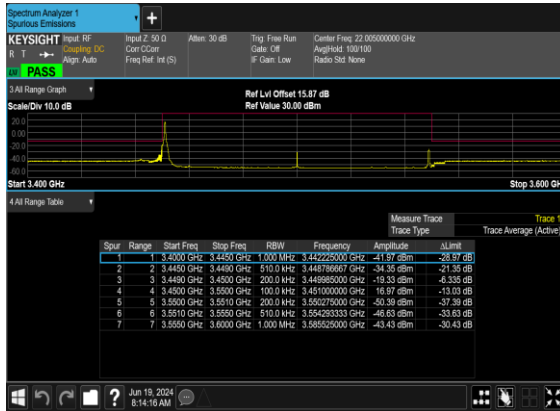


B2_N77(60M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

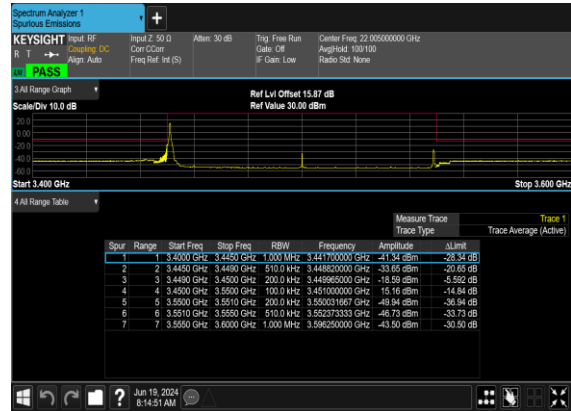




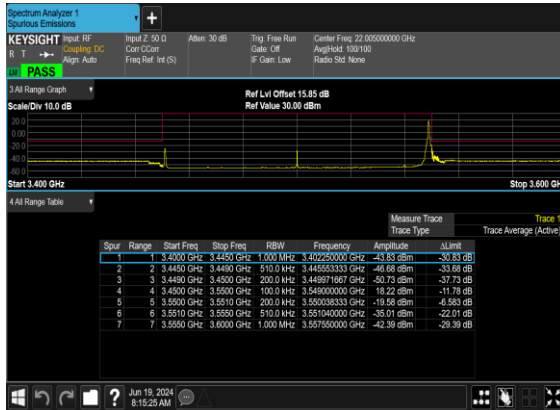
B2_N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



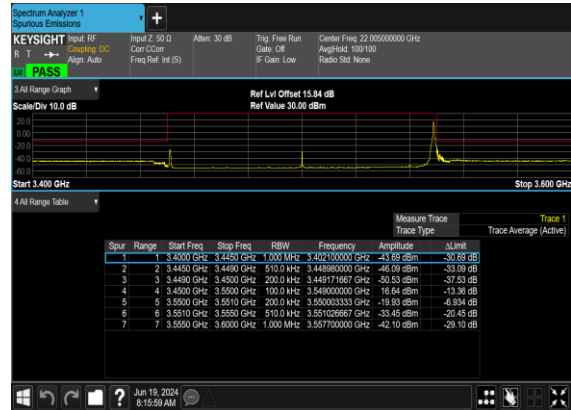
B2_N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



B2_N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_Mid_CH

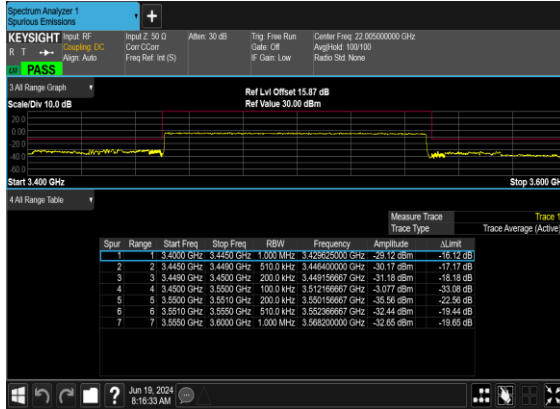


B2_N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_Mid_CH

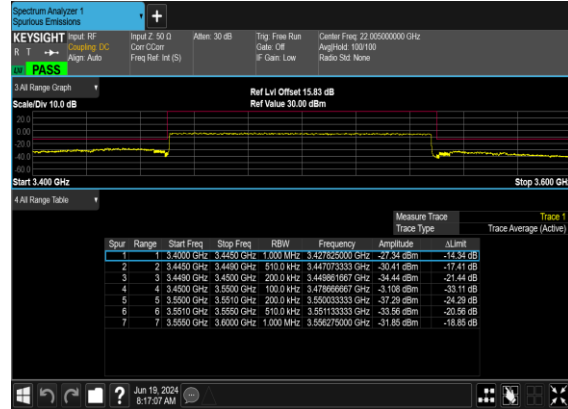




B2_N77(100M)_DFT-s-
OFDM_BPSK_Outer_Full_Mid_CH



B2_N77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH





Software Version: 23.06.1602

FR1 N77 UL MIMO(Ant4+6)

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=-0.46dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	ANT4 Power(dBm)	ANT6 Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	20	630668	3460.02	CP-OFDM QPSK	1@1	20.52	21.22	23.89	23.43	0.2203
77	30	20	630668	3460.02	CP-OFDM 16 QAM	1@1	20.16	20.55	23.37	22.91	0.1954
77	30	20	633334	3500.01	CP-OFDM QPSK	1@1	20.67	21.04	23.87	23.41	0.2193
77	30	20	633334	3500.01	CP-OFDM 16 QAM	1@1	20.42	20.29	23.37	22.91	0.1954
77	30	20	636000	3540	CP-OFDM QPSK	1@1	21.05	21.27	24.17	23.71	0.2350
77	30	20	636000	3540	CP-OFDM 16 QAM	1@1	20.56	20.47	23.53	23.07	0.2028
77	30	30	631000	3465	CP-OFDM QPSK	1@1	20.98	21.5	24.26	23.8	0.2399
77	30	30	631000	3465	CP-OFDM 16 QAM	1@1	20.51	20.87	23.70	23.24	0.2109
77	30	30	633334	3500.01	CP-OFDM QPSK	1@1	21.16	21.29	24.24	23.78	0.2388
77	30	30	633334	3500.01	CP-OFDM 16 QAM	1@1	20.73	20.73	23.74	23.28	0.2128
77	30	30	635666	3534.99	CP-OFDM QPSK	1@1	21.2	21.32	24.27	23.81	0.2404
77	30	30	635666	3534.99	CP-OFDM 16 QAM	1@1	20.71	20.67	23.70	23.24	0.2109
77	30	40	631334	3470.01	CP-OFDM QPSK	1@1	21.08	21.57	24.34	23.88	0.2443
77	30	40	631334	3470.01	CP-OFDM 16 QAM	1@1	20.59	20.89	23.75	23.29	0.2133
77	30	40	633334	3500.01	CP-OFDM QPSK	1@1	21.2	21.34	24.28	23.82	0.2410
77	30	40	633334	3500.01	CP-OFDM 16 QAM	1@1	20.72	20.71	23.73	23.27	0.2123
77	30	40	635332	3529.98	CP-OFDM QPSK	1@1	21.17	21.58	24.39	23.93	0.2472
77	30	40	635332	3529.98	CP-OFDM 16 QAM	1@1	20.77	20.82	23.81	23.35	0.2163
77	30	50	631668	3475.02	CP-OFDM QPSK	1@1	20.79	21.31	24.07	23.61	0.2296
77	30	50	631668	3475.02	CP-OFDM 16 QAM	1@1	20.42	20.71	23.58	23.12	0.2051
77	30	50	633334	3500.01	CP-OFDM QPSK	1@1	20.47	20.84	23.67	23.21	0.2094
77	30	50	633334	3500.01	CP-OFDM 16 QAM	1@1	20.21	20.11	23.17	22.71	0.1866
77	30	50	635000	3525	CP-OFDM QPSK	1@1	20.84	21.24	24.05	23.59	0.2286



77	30	50	635000	3525	CP-OFDM 16 QAM	1@1	20.61	20.58	23.61	23.15	0.2065
77	30	60	632000	3480	CP-OFDM QPSK	1@1	20.79	21.4	24.12	23.66	0.2323
77	30	60	632000	3480	CP-OFDM 16 QAM	1@1	20.49	20.69	23.60	23.14	0.2061
77	30	60	633334	3500.01	CP-OFDM QPSK	1@1	20.9	21.2	24.06	23.6	0.2291
77	30	60	633334	3500.01	CP-OFDM 16 QAM	1@1	20.56	20.48	23.53	23.07	0.2028
77	30	60	634666	3519.99	CP-OFDM QPSK	1@1	20.81	21.13	23.98	23.52	0.2249
77	30	60	634666	3519.99	CP-OFDM 16 QAM	1@1	20.56	20.45	23.52	23.06	0.2023
77	30	70	632334	3485.01	CP-OFDM QPSK	1@1	20.63	21.24	23.96	23.5	0.2239
77	30	70	632334	3485.01	CP-OFDM 16 QAM	1@1	20.19	20.65	23.44	22.98	0.1986
77	30	70	633334	3500.01	CP-OFDM QPSK	1@1	20.82	21.24	24.05	23.59	0.2286
77	30	70	633334	3500.01	CP-OFDM 16 QAM	1@1	20.27	20.54	23.42	22.96	0.1977
77	30	70	634332	3514.98	CP-OFDM QPSK	1@1	20.85	21.11	23.99	23.53	0.2254
77	30	70	634332	3514.98	CP-OFDM 16 QAM	1@1	20.34	20.5	23.43	22.97	0.1982
77	30	80	632668	3490.02	CP-OFDM QPSK	1@1	20.69	21.15	23.94	23.48	0.2228
77	30	80	632668	3490.02	CP-OFDM 16 QAM	1@1	20.27	20.53	23.41	22.95	0.1972
77	30	80	633334	3500.01	CP-OFDM QPSK	1@1	20.39	21.13	23.79	23.33	0.2153
77	30	80	633334	3500.01	CP-OFDM 16 QAM	1@1	20.02	20.36	23.20	22.74	0.1879
77	30	80	634000	3510	CP-OFDM QPSK	1@1	20.82	21.16	24.00	23.54	0.2259
77	30	80	634000	3510	CP-OFDM 16 QAM	1@1	20.31	20.48	23.41	22.95	0.1972
77	30	90	633000	3495	CP-OFDM QPSK	1@1	20.66	21.23	23.96	23.5	0.2239
77	30	90	633000	3495	CP-OFDM 16 QAM	1@1	20.22	20.49	23.37	22.91	0.1954
77	30	90	633334	3500.01	CP-OFDM QPSK	1@1	20.41	21.1	23.78	23.32	0.2148
77	30	90	633334	3500.01	CP-OFDM 16 QAM	1@1	19.95	20.36	23.17	22.71	0.1866
77	30	90	633666	3504.99	CP-OFDM QPSK	1@1	20.71	21.25	24.00	23.54	0.2259
77	30	90	633666	3504.99	CP-OFDM 16 QAM	1@1	20.42	20.5	23.47	23.01	0.2000
77	30	100	633334	3500.01	CP-OFDM QPSK	137@68	21.16	21.29	24.24	23.78	0.2388
77	30	100	633334	3500.01	CP-OFDM QPSK	1@1	21.11	21.75	24.45	23.99	0.2506
77	30	100	633334	3500.01	CP-OFDM QPSK	1@271	21.02	21.26	24.15	23.69	0.2339
77	30	100	633334	3500.01	CP-OFDM 16 QAM	137@68	20.68	20.73	23.72	23.26	0.2118



77	30	100	633334	3500.01	CP-OFDM 16 QAM	1@1	20.81	21.11	23.97	23.51	0.2244
77	30	100	633334	3500.01	CP-OFDM 16 QAM	1@271	20.61	20.62	23.63	23.17	0.2075
77	30	100	633334	3500.01	CP-OFDM 64 QAM	137@68	19.19	19.21	22.21	21.75	0.1496
77	30	100	633334	3500.01	CP-OFDM 64 QAM	1@1	19.19	19.76	22.49	22.03	0.1596
77	30	100	633334	3500.01	CP-OFDM 64 QAM	1@271	19.01	19.18	22.11	21.65	0.1462
77	30	100	633334	3500.01	CP-OFDM 256 QAM	137@68	16.17	16.21	19.20	18.74	0.0748
77	30	100	633334	3500.01	CP-OFDM 256 QAM	1@1	15.91	16.79	19.38	18.92	0.0780
77	30	100	633334	3500.01	CP-OFDM 256 QAM	1@271	15.84	16.25	19.06	18.6	0.0724



FR1 N77 UL MIMO(Ant4)

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0066	PASS	NV
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0052	PASS	LV
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0067	PASS	HV
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0043	PASS	-30℃
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0048	PASS	-20℃
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0047	PASS	-10℃
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0053	PASS	0℃
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0044	PASS	10℃
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0066	PASS	20℃
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0052	PASS	30℃
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0022	PASS	40℃
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0044	PASS	50℃



Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	6.79	13	PASS

N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



**Occupied Bandwidth**

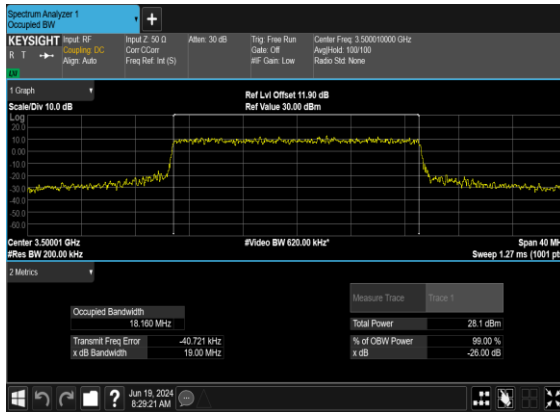
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18.16	19.0
77	30	20	633334	3500.01	CP-OFDM 16 QAM	51@0	18.16	19.27
77	30	20	633334	3500.01	CP-OFDM 64 QAM	51@0	18.206	19.26
77	30	20	633334	3500.01	CP-OFDM 256 QAM	51@0	18.193	19.28
77	30	30	633334	3500.01	CP-OFDM QPSK	78@0	27.773	29.11
77	30	30	633334	3500.01	CP-OFDM 16 QAM	78@0	27.821	29.0
77	30	30	633334	3500.01	CP-OFDM 64 QAM	78@0	27.851	28.79
77	30	30	633334	3500.01	CP-OFDM 256 QAM	78@0	27.855	29.07
77	30	40	633334	3500.01	CP-OFDM QPSK	106@0	37.749	39.4
77	30	40	633334	3500.01	CP-OFDM 16 QAM	106@0	37.839	39.25
77	30	40	633334	3500.01	CP-OFDM 64 QAM	106@0	37.865	39.14
77	30	40	633334	3500.01	CP-OFDM 256 QAM	106@0	37.768	39.32
77	30	50	633334	3500.01	CP-OFDM QPSK	133@0	47.433	48.98
77	30	50	633334	3500.01	CP-OFDM 16 QAM	133@0	47.467	49.21
77	30	50	633334	3500.01	CP-OFDM 64 QAM	133@0	47.334	48.99
77	30	50	633334	3500.01	CP-OFDM 256 QAM	133@0	47.322	48.98
77	30	60	633334	3500.01	CP-OFDM QPSK	162@0	57.568	59.73
77	30	60	633334	3500.01	CP-OFDM 16 QAM	162@0	57.744	59.81
77	30	60	633334	3500.01	CP-OFDM 64 QAM	162@0	57.81	59.85
77	30	60	633334	3500.01	CP-OFDM 256 QAM	162@0	57.825	59.99
77	30	70	633334	3500.01	CP-OFDM QPSK	189@0	67.498	69.71
77	30	70	633334	3500.01	CP-OFDM 16 QAM	189@0	67.499	69.64
77	30	70	633334	3500.01	CP-OFDM 64 QAM	189@0	67.456	69.75



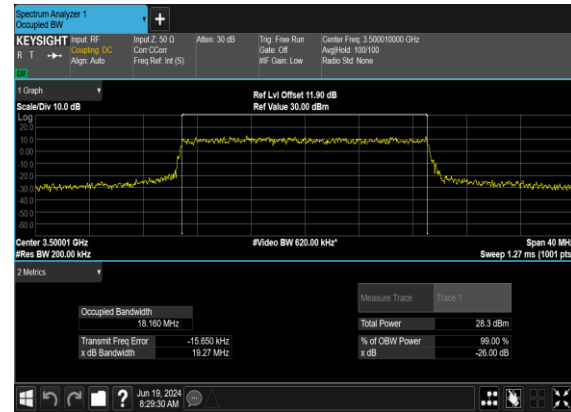
77	30	70	633334	3500.01	CP-OFDM 256 QAM	189@0	67.487	69.78
77	30	80	633334	3500.01	CP-OFDM QPSK	217@0	77.413	79.93
77	30	80	633334	3500.01	CP-OFDM 16 QAM	217@0	77.444	80.0
77	30	80	633334	3500.01	CP-OFDM 64 QAM	217@0	77.58	79.97
77	30	80	633334	3500.01	CP-OFDM 256 QAM	217@0	77.571	79.9
77	30	90	633334	3500.01	CP-OFDM QPSK	245@0	87.591	90.19
77	30	90	633334	3500.01	CP-OFDM 16 QAM	245@0	87.25	90.34
77	30	90	633334	3500.01	CP-OFDM 64 QAM	245@0	87.383	90.35
77	30	90	633334	3500.01	CP-OFDM 256 QAM	245@0	87.272	90.2
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	97.4	100.4
77	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	97.406	100.6
77	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	97.298	100.5
77	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	97.554	100.4



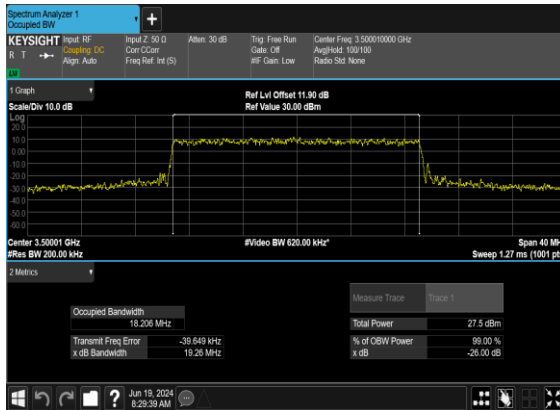
N77(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



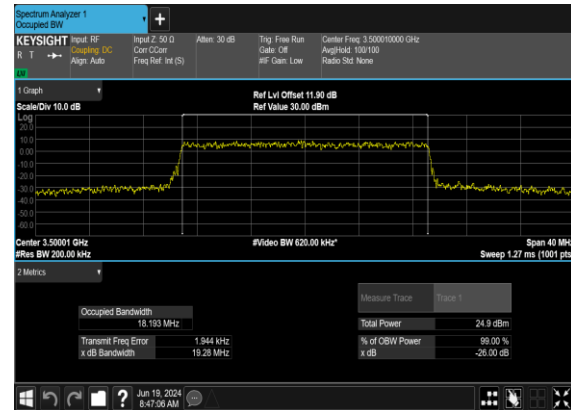
N77(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

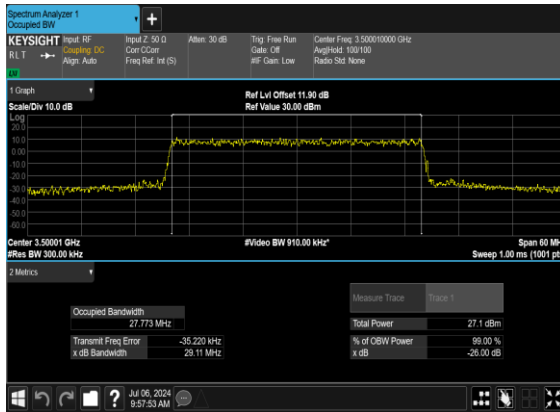


N77(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

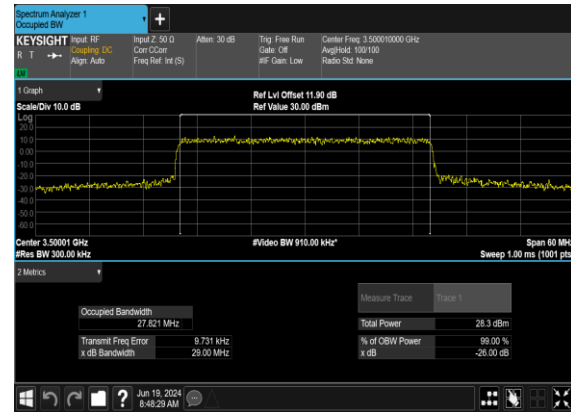




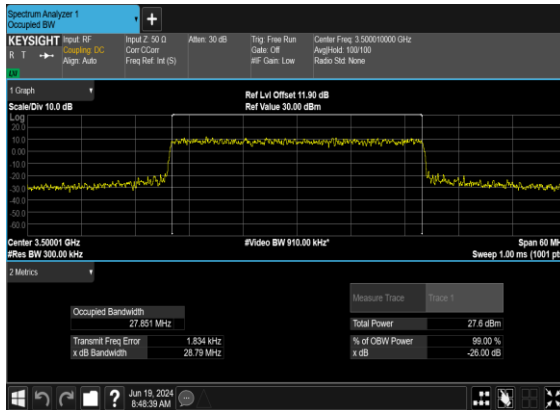
N77(30M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



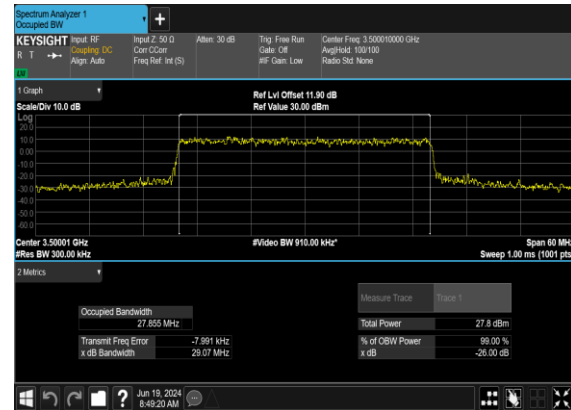
N77(30M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(30M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

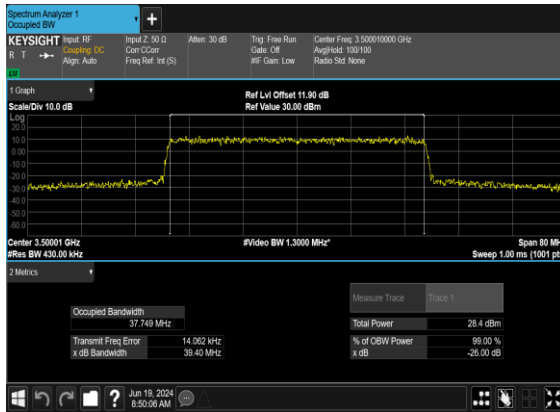


N77(30M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

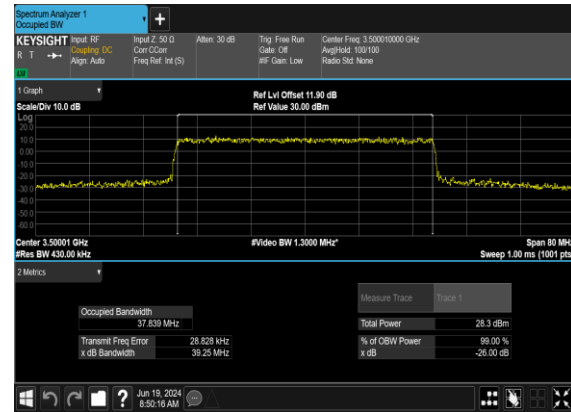




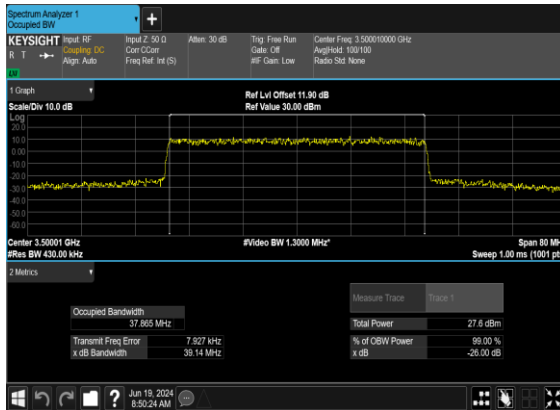
N77(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



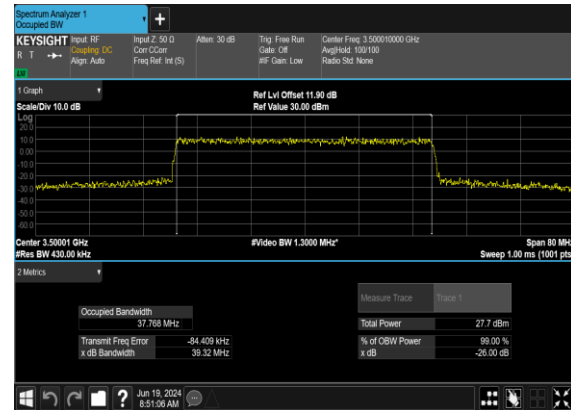
N77(40M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

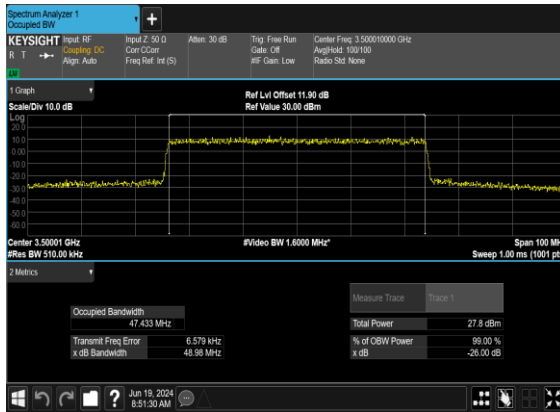


N77(40M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

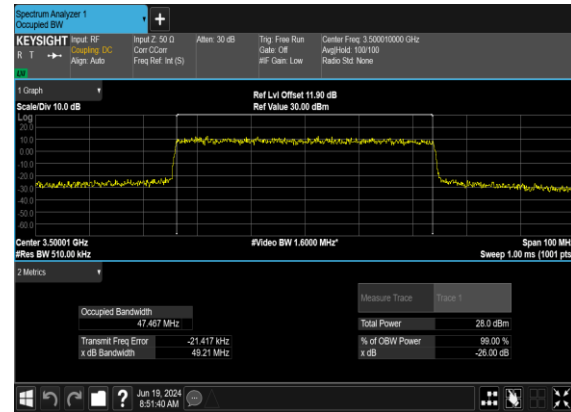




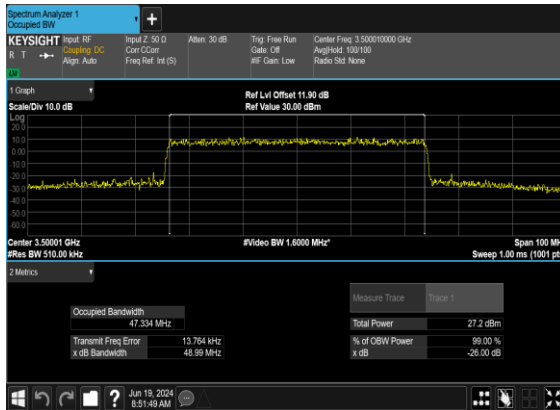
N77(50M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



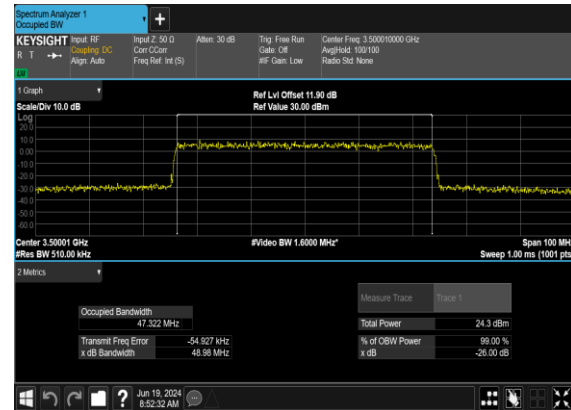
N77(50M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

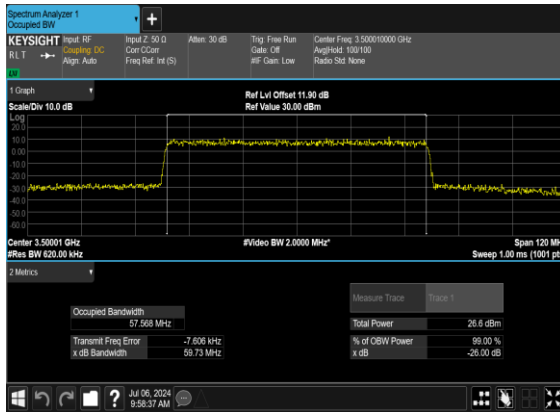


N77(50M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

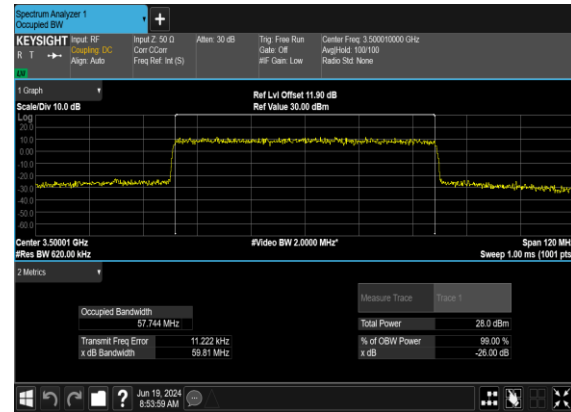




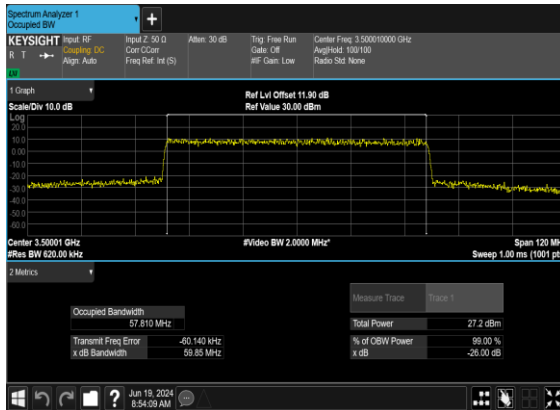
N77(60M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



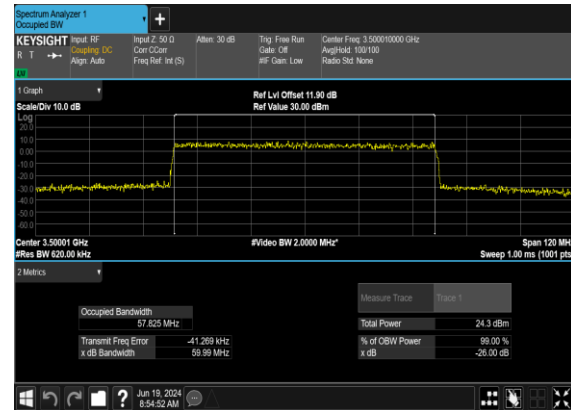
N77(60M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(60M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

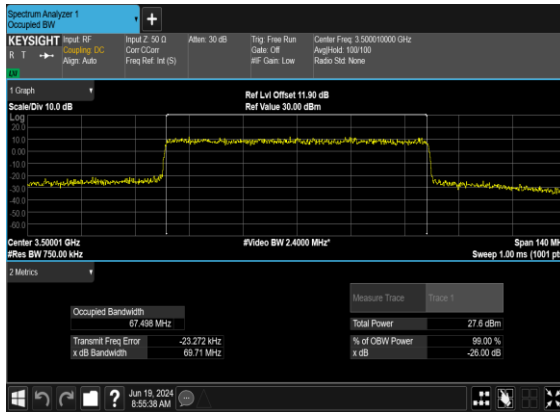


N77(60M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

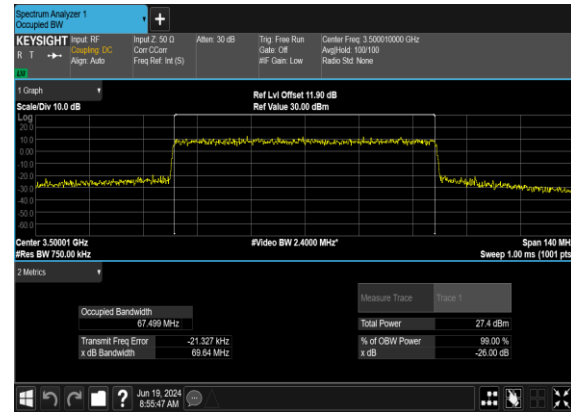




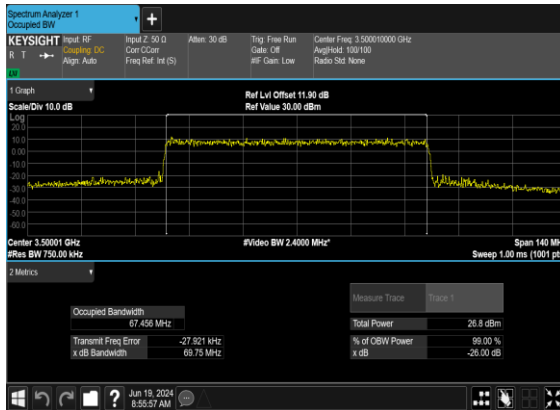
N77(70M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



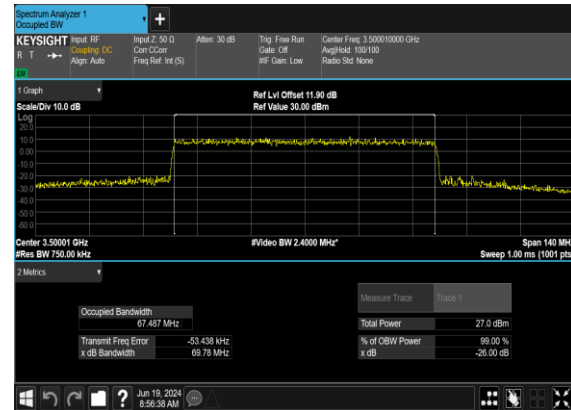
N77(70M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(70M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

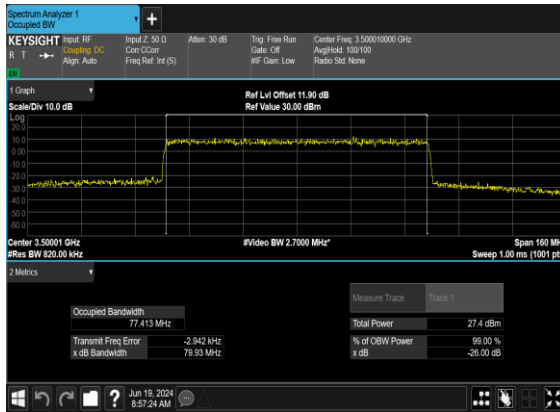


N77(70M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

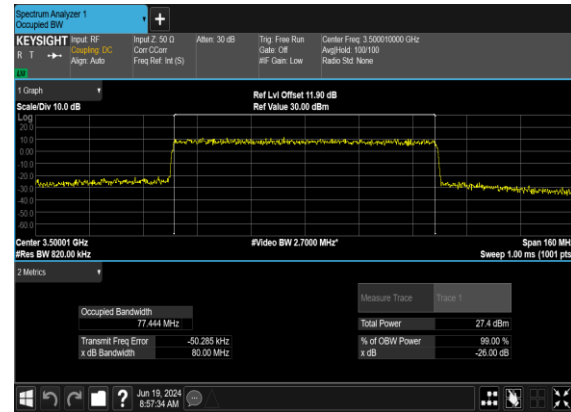




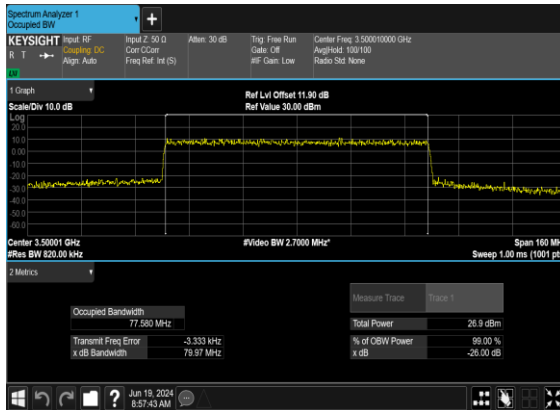
N77(80M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



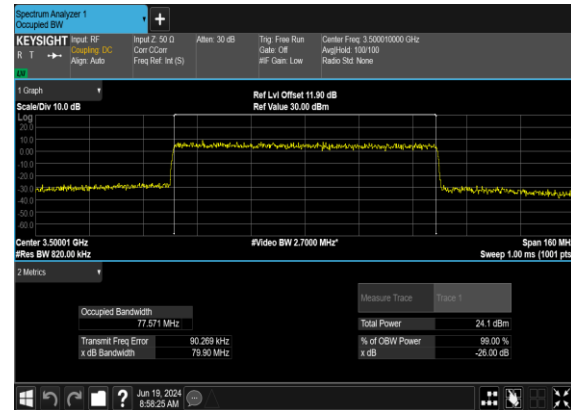
N77(80M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(80M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

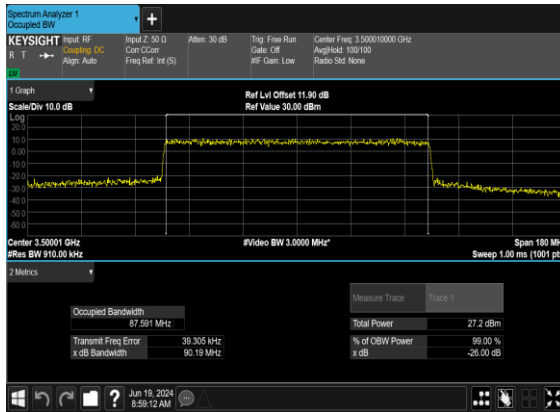


N77(80M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

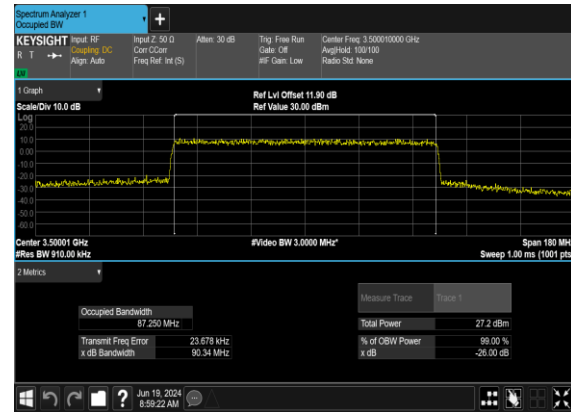




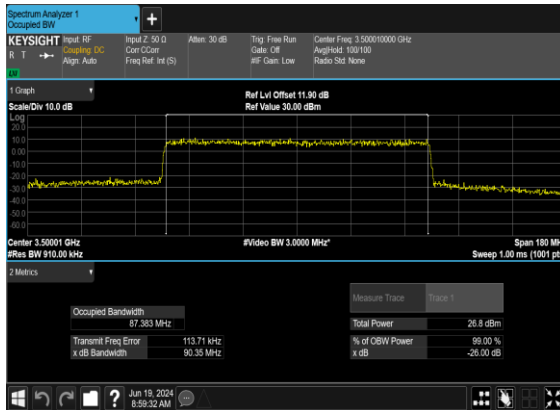
N77(90M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



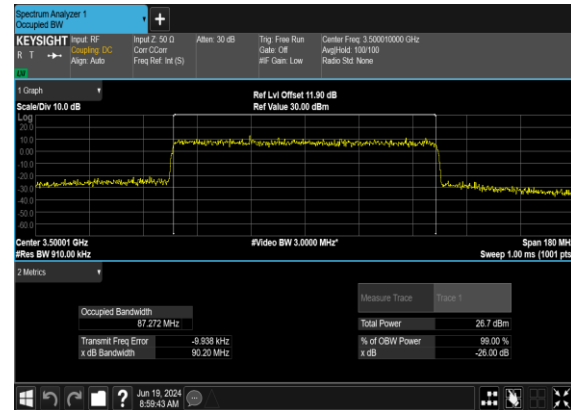
N77(90M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(90M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

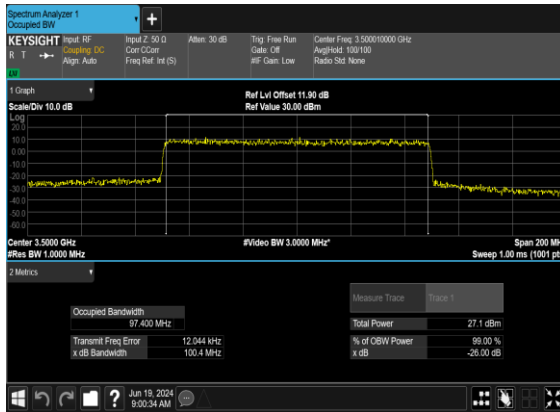


N77(90M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

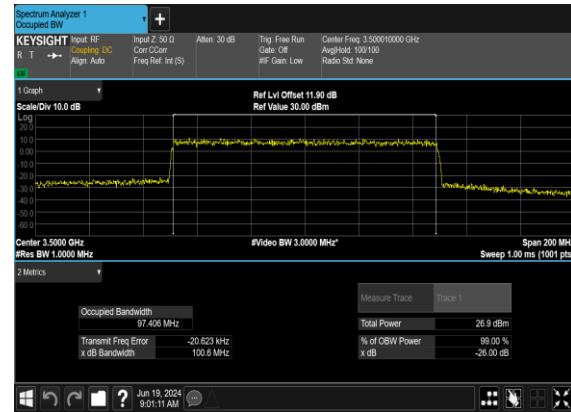




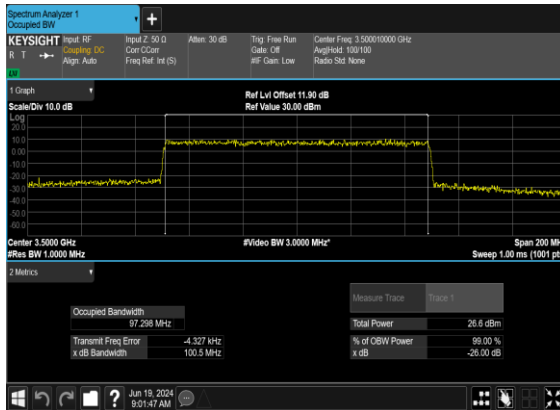
N77(100M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



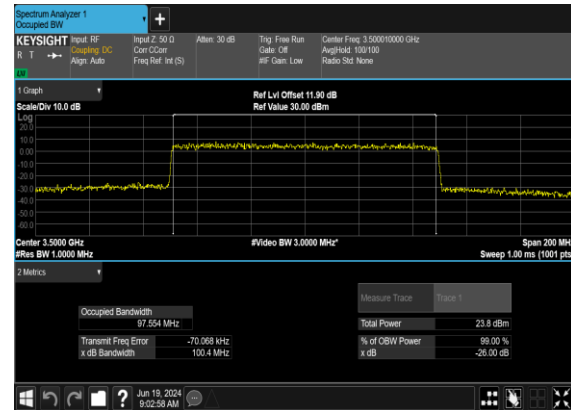
N77(100M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



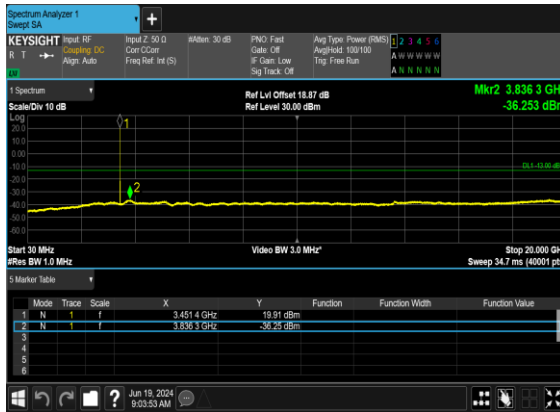


Conducted Spurious Emissions

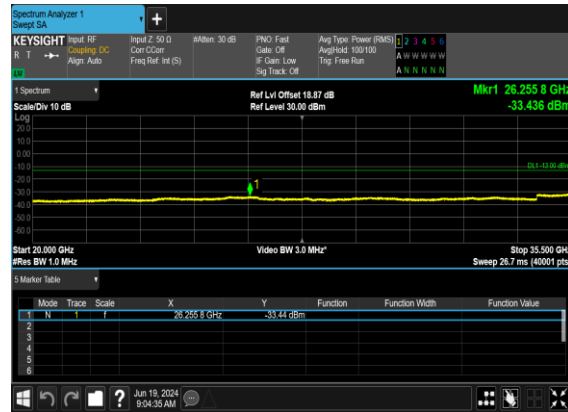
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	630668	3460.02	CP-OFDM QPSK	1@0	see graph	---
77	30	20	630668	3460.02	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	630668	3460.02	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	633334	3500.01	CP-OFDM QPSK	1@0	see graph	---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



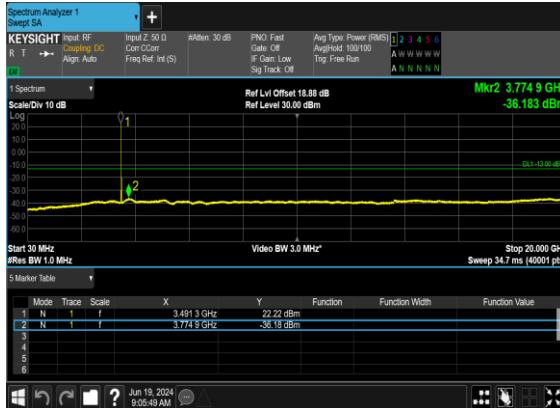
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



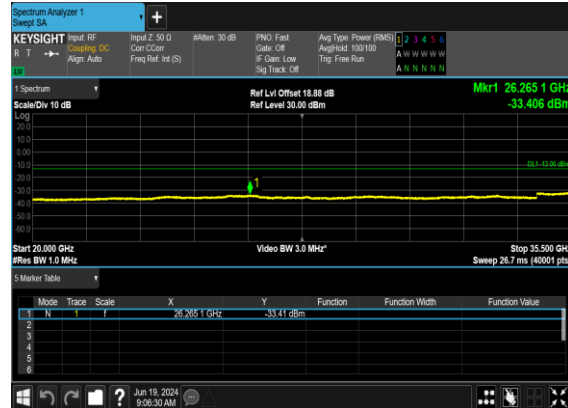
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

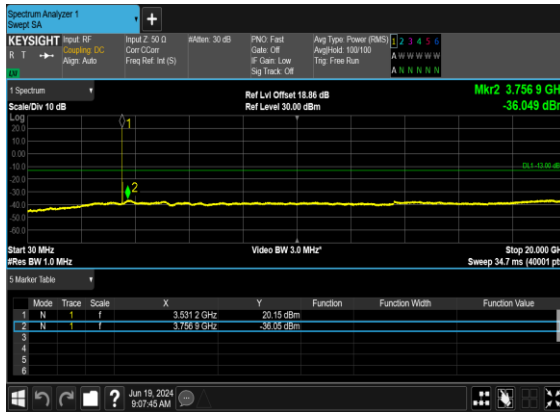


N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

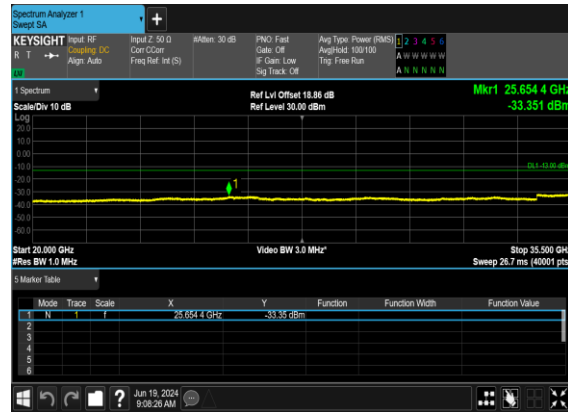




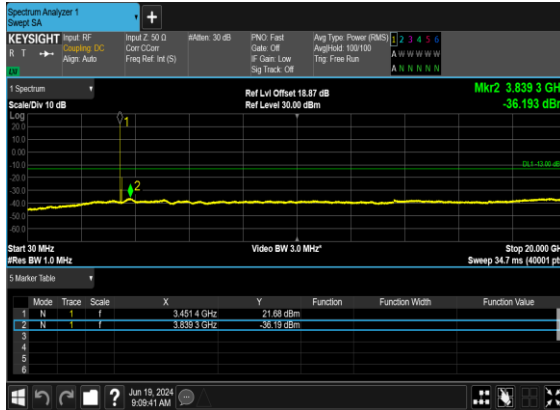
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



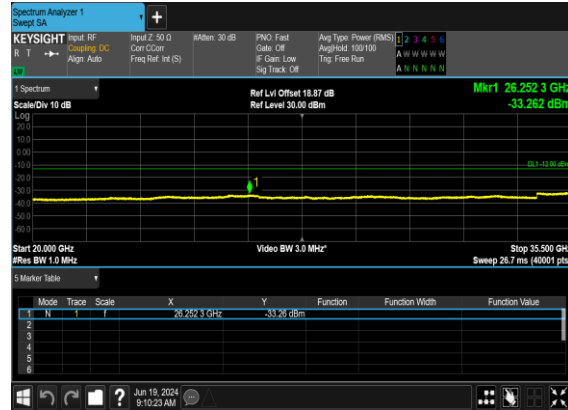
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH

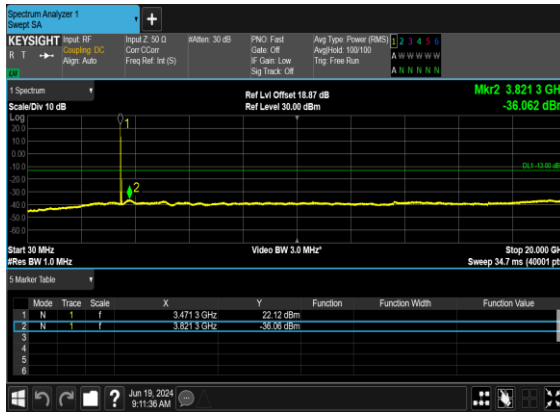


N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH

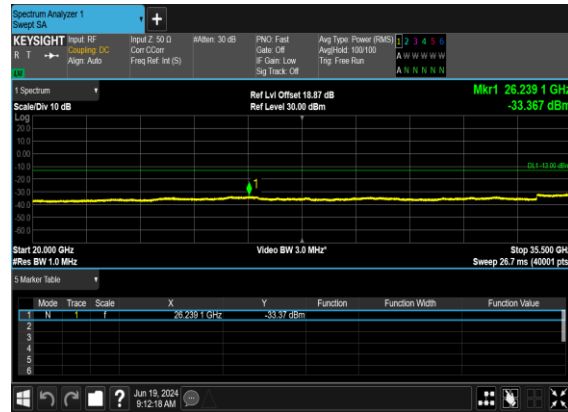




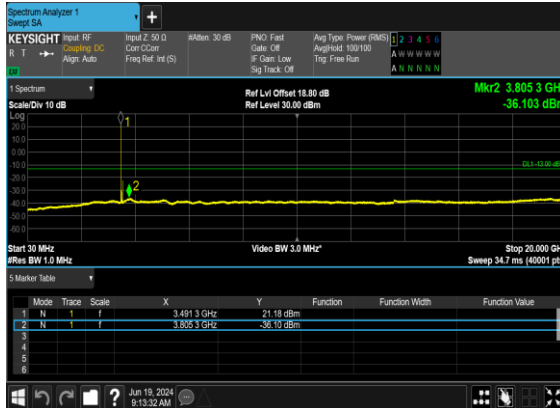
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



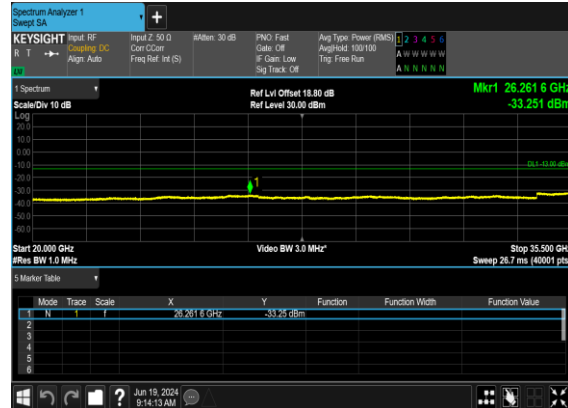
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

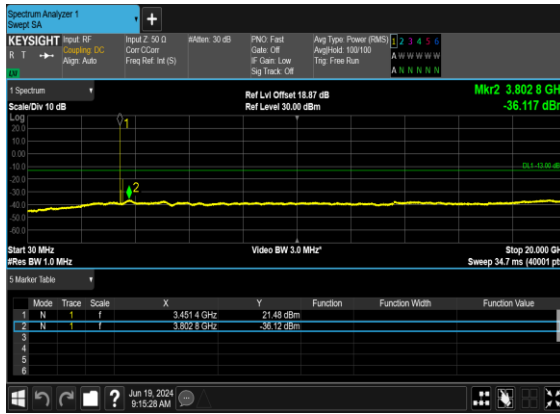


N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

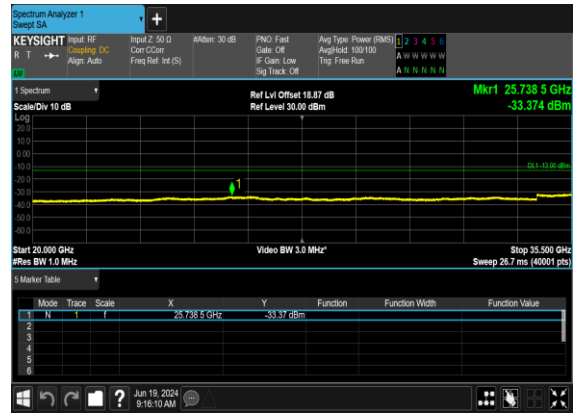




N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

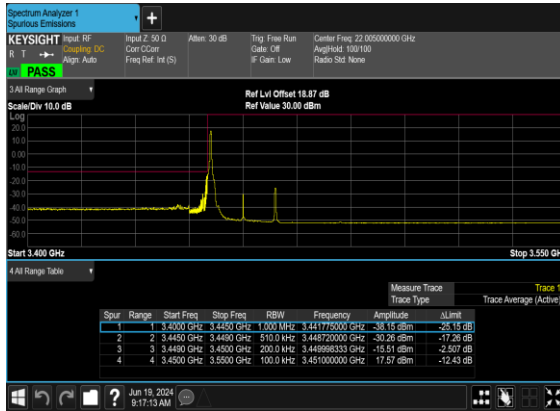


**Conducted Band Edge**

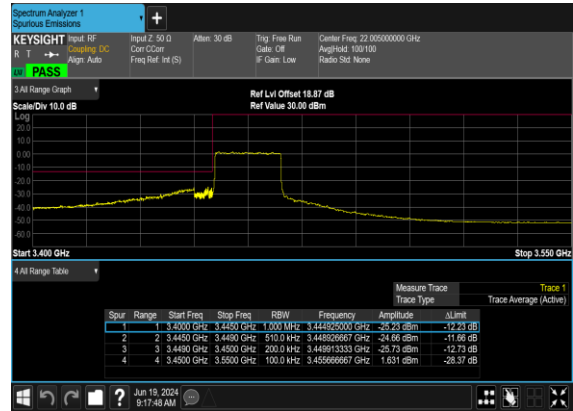
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	630668	3460.02	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	630668	3460.02	CP-OFDM QPSK	51@0	see graph	PASS
77	30	20	636000	3540.0	CP-OFDM QPSK	1@50	see graph	PASS
77	30	20	636000	3540.0	CP-OFDM QPSK	51@0	see graph	PASS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



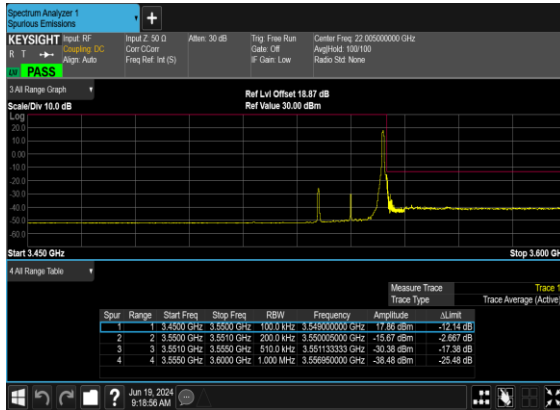
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



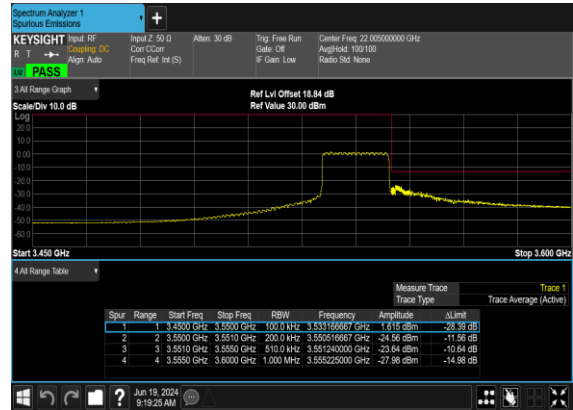
N77(20M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH

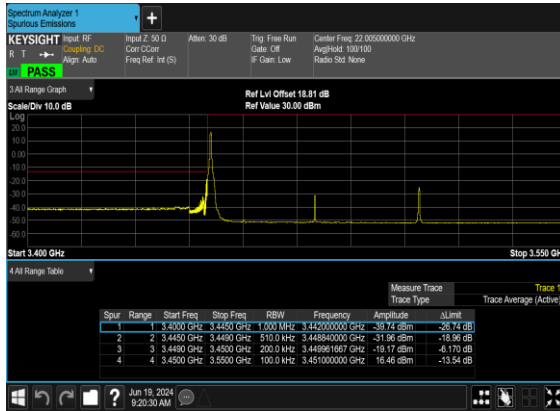


N77(20M)_CP-
OFDM_QPSK_Outer_Full_High_CH

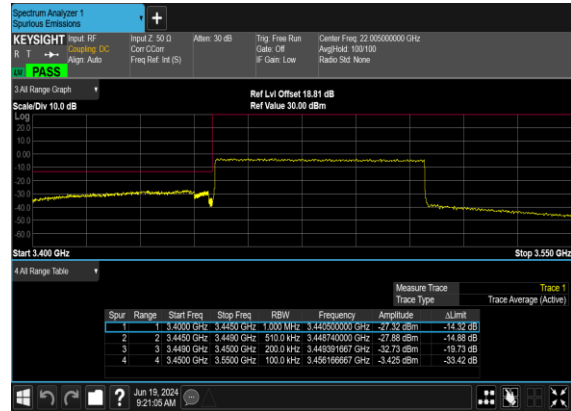




N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



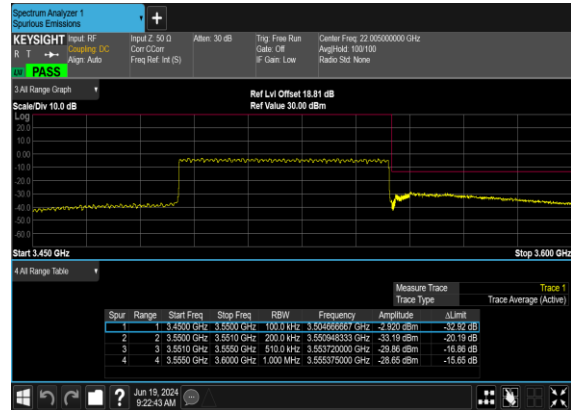
N77(60M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH

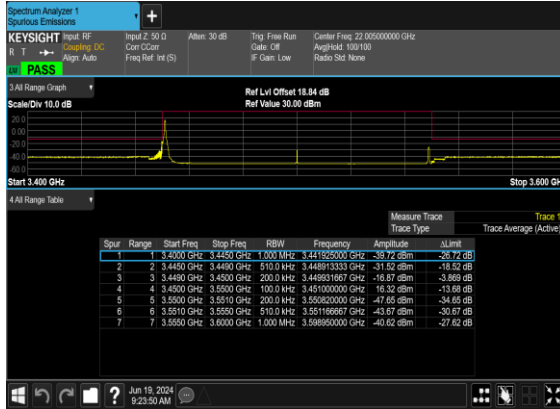


N77(60M)_CP-
OFDM_QPSK_Outer_Full_High_CH

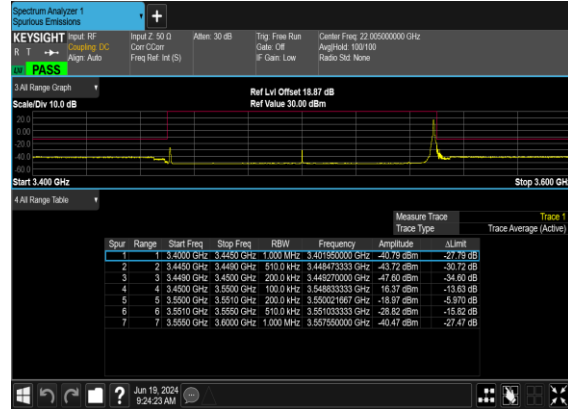




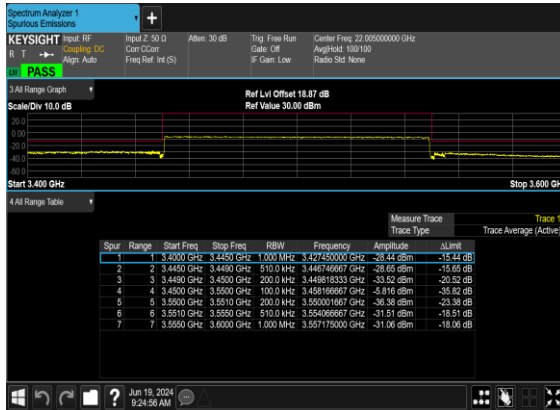
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



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 N77 UL MIMO(Ant6)

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0061	PASS	NV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0043	PASS	LV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0048	PASS	HV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0061	PASS	-30℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0058	PASS	-20℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0027	PASS	-10℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0055	PASS	0℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0027	PASS	10℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0061	PASS	20℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0022	PASS	30℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0063	PASS	40℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0034	PASS	50℃



Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	7.09	13	PASS

N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH





Occupied Bandwidth

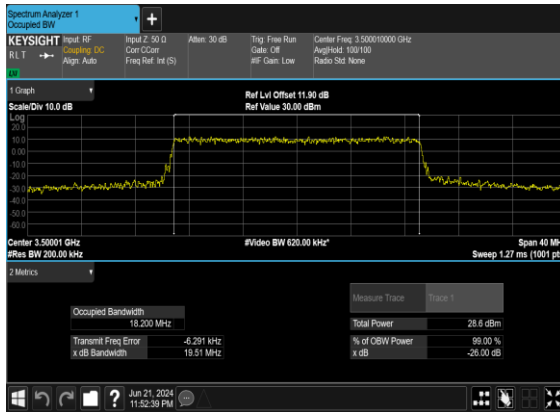
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18.2	19.51
77	30	20	633334	3500.01	CP-OFDM 16 QAM	51@0	18.223	19.11
77	30	20	633334	3500.01	CP-OFDM 64 QAM	51@0	18.218	19.25
77	30	20	633334	3500.01	CP-OFDM 256 QAM	51@0	18.191	19.11
77	30	30	633334	3500.01	CP-OFDM QPSK	78@0	27.885	28.97
77	30	30	633334	3500.01	CP-OFDM 16 QAM	78@0	27.715	28.92
77	30	30	633334	3500.01	CP-OFDM 64 QAM	78@0	27.903	28.94
77	30	30	633334	3500.01	CP-OFDM 256 QAM	78@0	27.846	28.98
77	30	40	633334	3500.01	CP-OFDM QPSK	106@0	37.812	39.25
77	30	40	633334	3500.01	CP-OFDM 16 QAM	106@0	37.894	39.25
77	30	40	633334	3500.01	CP-OFDM 64 QAM	106@0	37.871	39.08
77	30	40	633334	3500.01	CP-OFDM 256 QAM	106@0	37.739	39.25
77	30	50	633334	3500.01	CP-OFDM QPSK	133@0	47.32	49.17
77	30	50	633334	3500.01	CP-OFDM 16 QAM	133@0	47.414	49.29
77	30	50	633334	3500.01	CP-OFDM 64 QAM	133@0	47.561	49.17
77	30	50	633334	3500.01	CP-OFDM 256 QAM	133@0	47.403	48.96
77	30	60	633334	3500.01	CP-OFDM QPSK	162@0	57.861	59.82
77	30	60	633334	3500.01	CP-OFDM 16 QAM	162@0	57.793	59.88
77	30	60	633334	3500.01	CP-OFDM 64 QAM	162@0	57.794	59.81
77	30	60	633334	3500.01	CP-OFDM 256 QAM	162@0	57.777	59.86
77	30	70	633334	3500.01	CP-OFDM QPSK	189@0	67.522	69.74
77	30	70	633334	3500.01	CP-OFDM 16 QAM	189@0	67.467	69.88
77	30	70	633334	3500.01	CP-OFDM 64 QAM	189@0	67.483	69.68



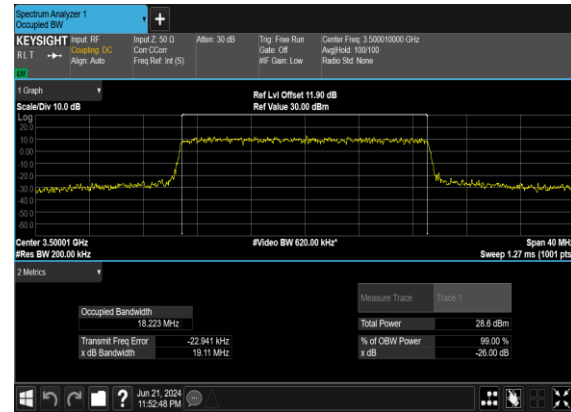
77	30	70	633334	3500.01	CP-OFDM 256 QAM	189@0	67.616	69.72
77	30	80	633334	3500.01	CP-OFDM QPSK	217@0	77.574	79.87
77	30	80	633334	3500.01	CP-OFDM 16 QAM	217@0	77.575	79.98
77	30	80	633334	3500.01	CP-OFDM 64 QAM	217@0	77.535	79.93
77	30	80	633334	3500.01	CP-OFDM 256 QAM	217@0	77.396	79.91
77	30	90	633334	3500.01	CP-OFDM QPSK	245@0	87.523	90.2
77	30	90	633334	3500.01	CP-OFDM 16 QAM	245@0	87.477	90.23
77	30	90	633334	3500.01	CP-OFDM 64 QAM	245@0	87.485	90.23
77	30	90	633334	3500.01	CP-OFDM 256 QAM	245@0	87.364	90.19
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	97.368	100.6
77	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	97.577	100.6
77	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	97.695	100.6
77	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	97.527	100.6



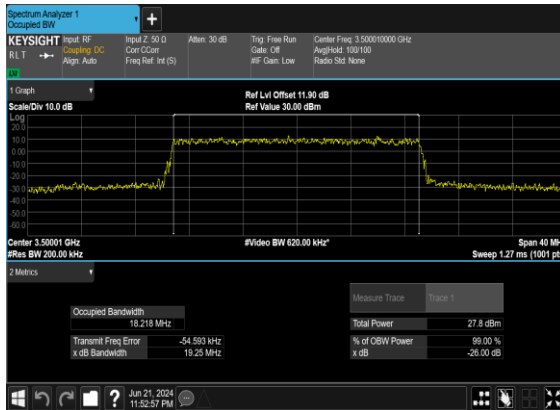
N77(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



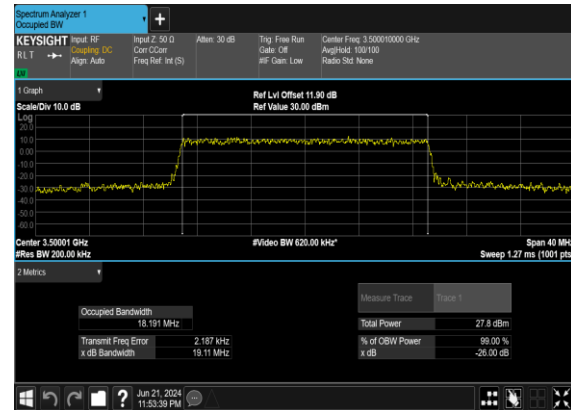
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QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

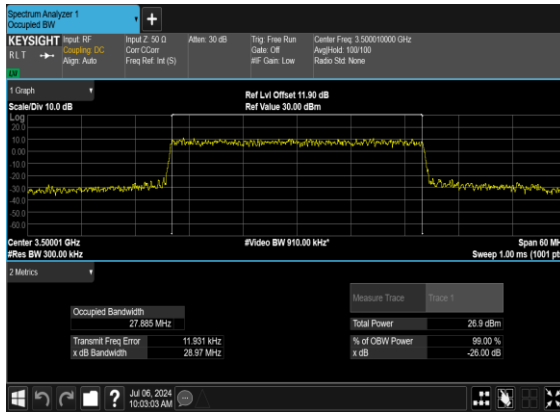


N77(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

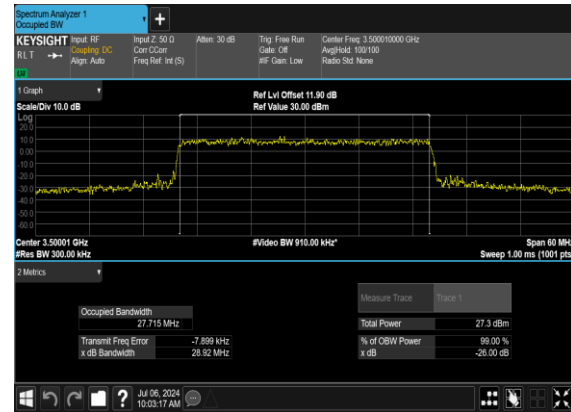




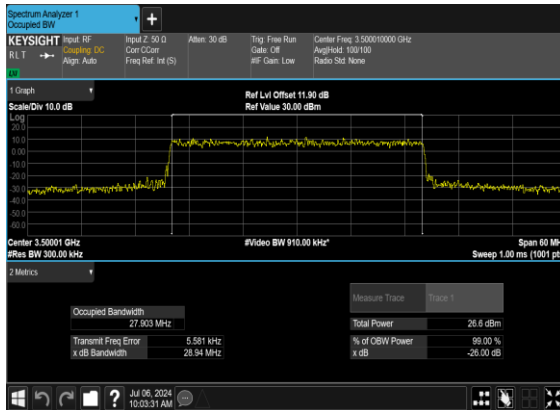
N77(30M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



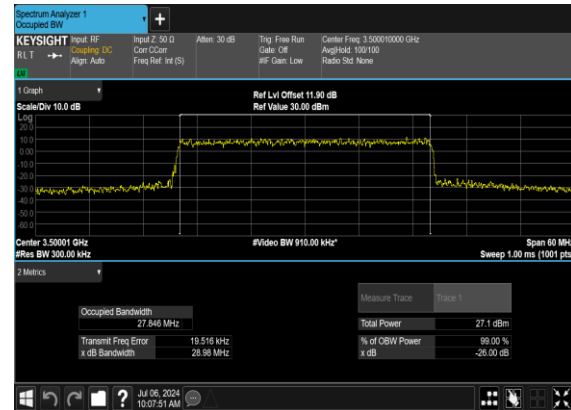
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QAM_Outer_Full_Mid_CH



N77(30M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

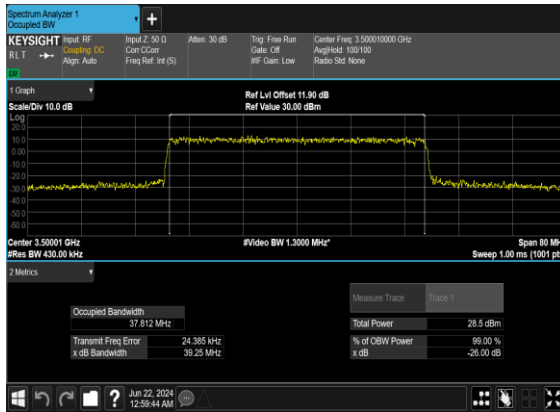


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QAM_Outer_Full_Mid_CH

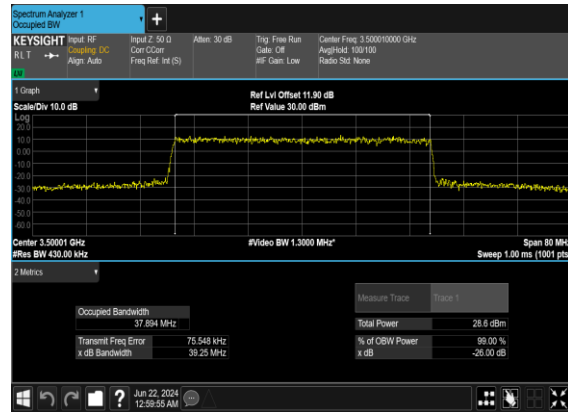




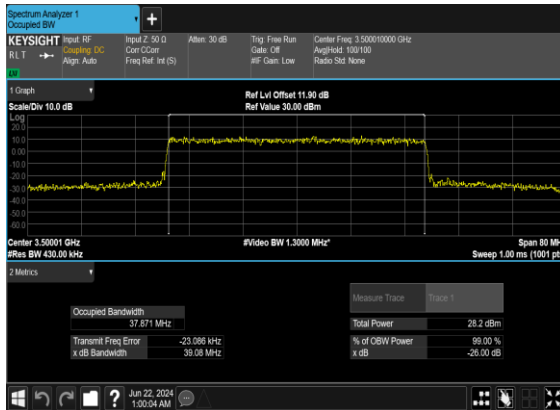
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OFDM_QPSK_Outer_Full_Mid_CH



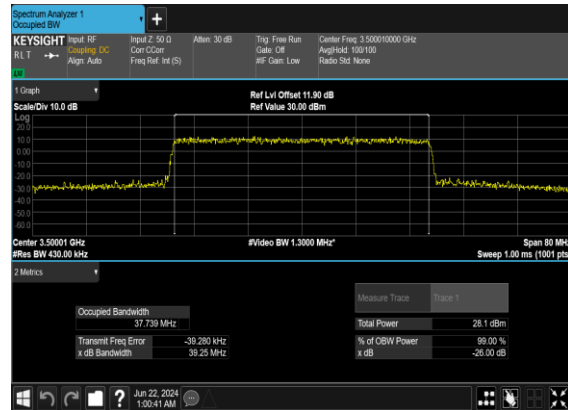
N77(40M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

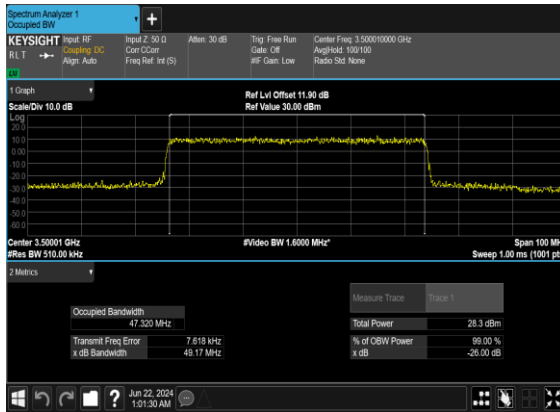


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QAM_Outer_Full_Mid_CH

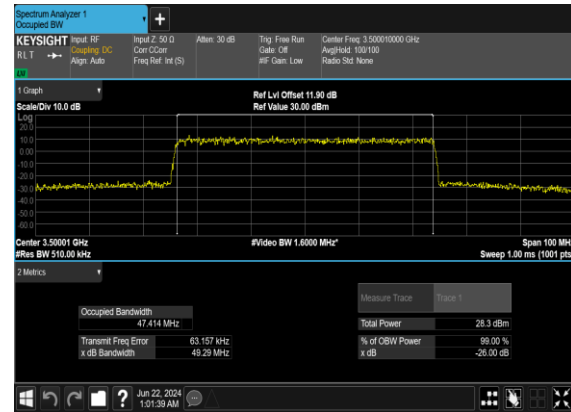




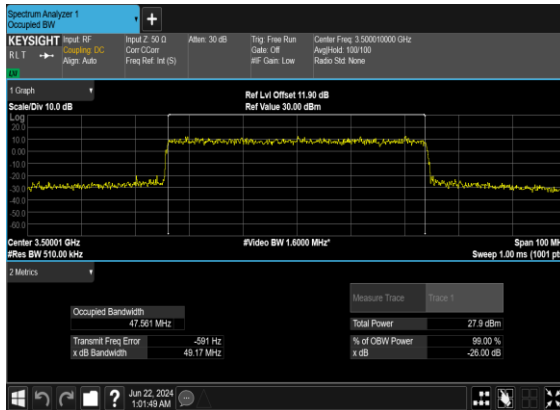
N77(50M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



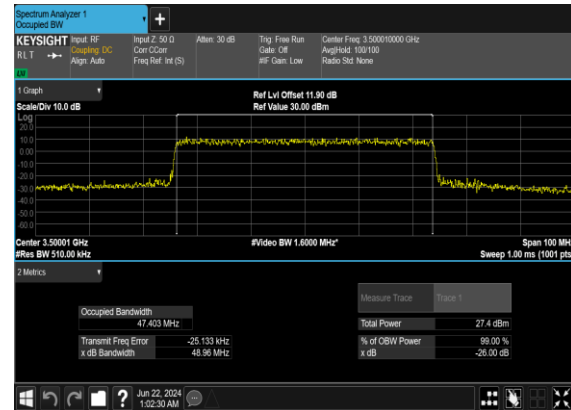
N77(50M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

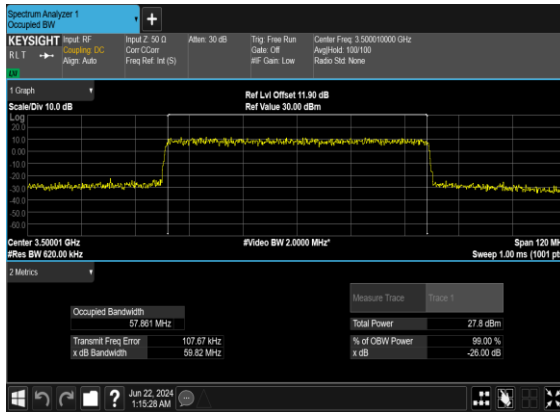


N77(50M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

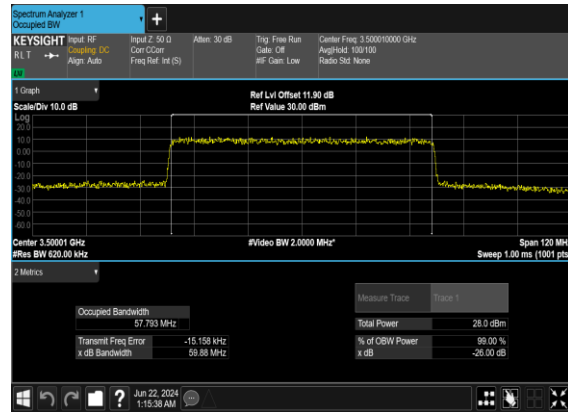




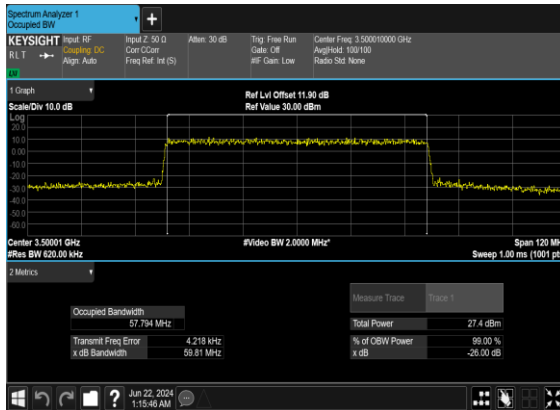
N77(60M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



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

