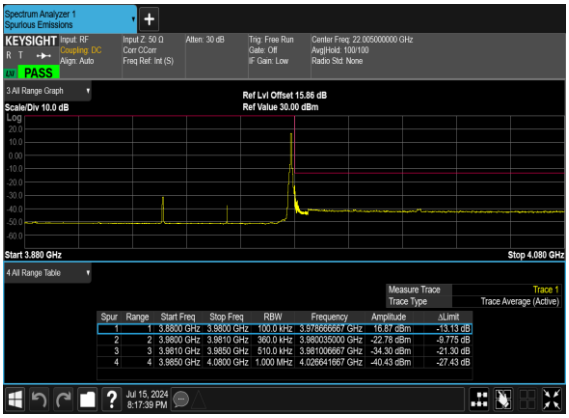
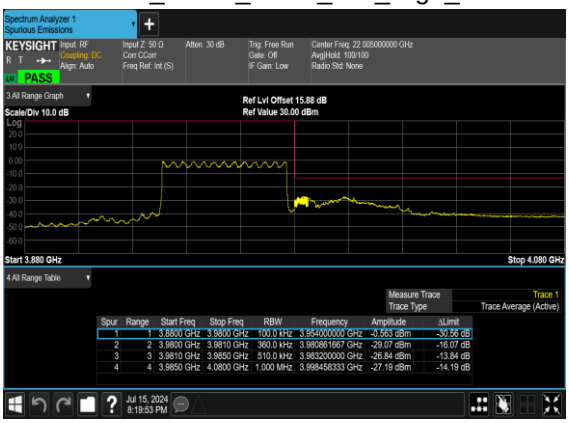
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

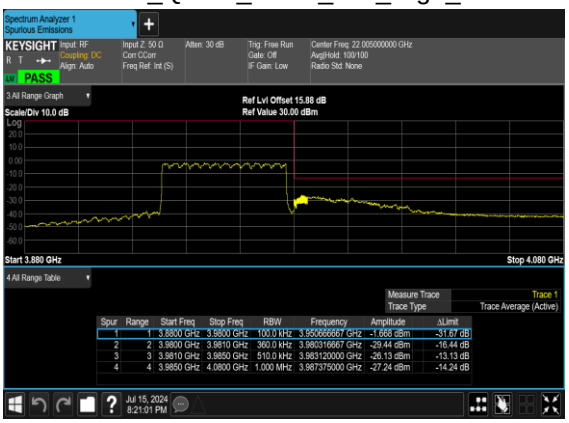


N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

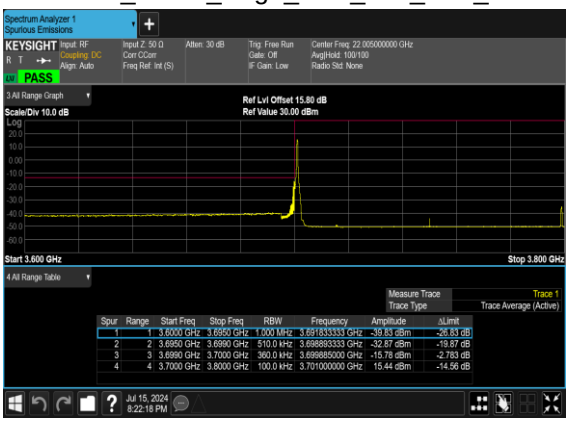
N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



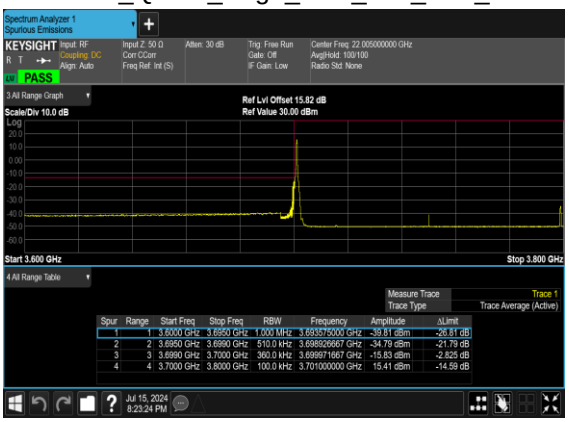
N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



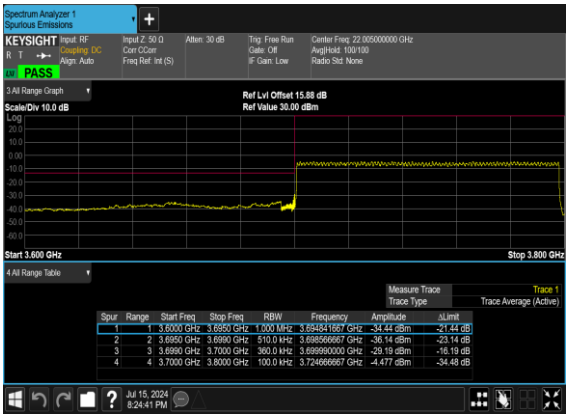
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



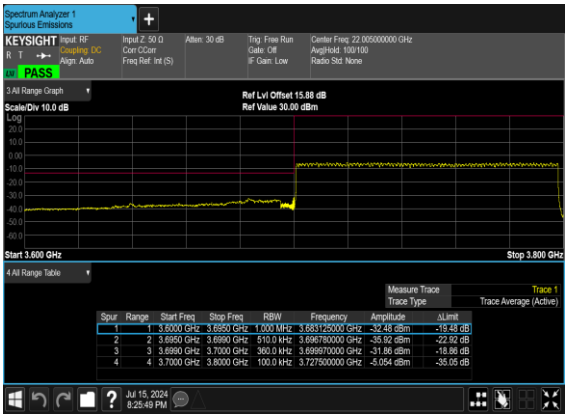
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



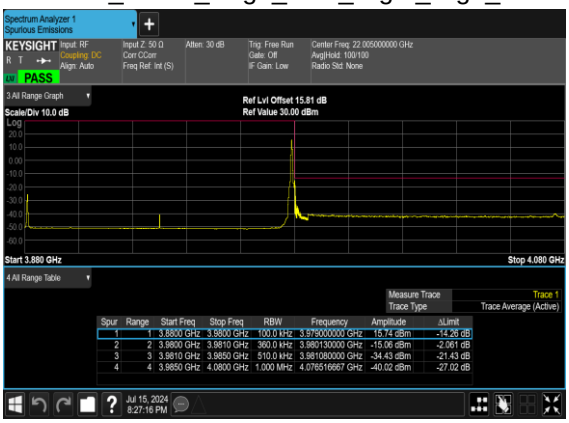
N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



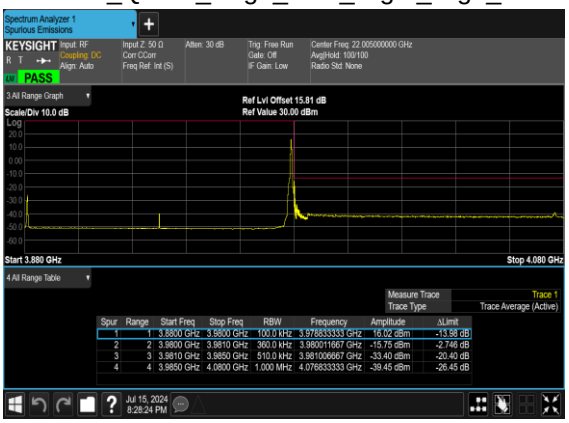
N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



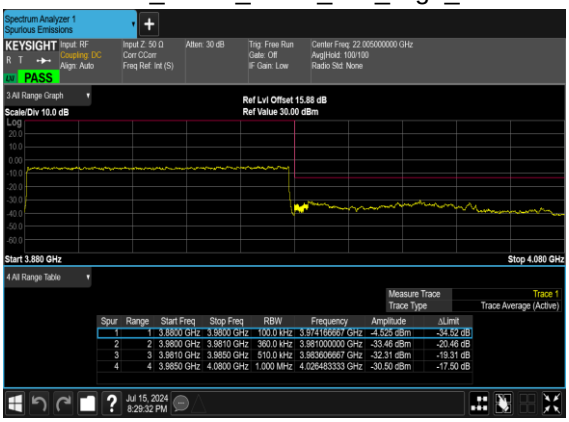
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



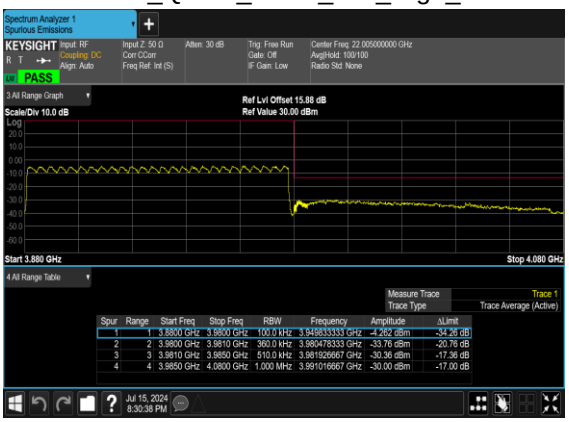
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 23.06.1602

FR1 N77 MIMO-ANT4+6

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=3.25dB

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	10	647000	3705	CP-OFDM QPSK	1@1	20.87	20.53	23.71	26.96	0.4966
77	30	10	647000	3705	CP-OFDM 16 QAM	1@1	20.31	19.8	23.07	26.32	0.4285
77	30	10	656000	3840	CP-OFDM QPSK	1@1	20.55	20.66	23.62	26.87	0.4864
77	30	10	656000	3840	CP-OFDM 16 QAM	1@1	20.14	19.88	23.02	26.27	0.4236
77	30	10	665000	3975	CP-OFDM QPSK	1@1	20.94	20.95	23.96	27.21	0.5260
77	30	10	665000	3975	CP-OFDM 16 QAM	1@1	20.58	20.23	23.42	26.67	0.4645
77	30	15	647168	3707.52	CP-OFDM QPSK	1@1	20.93	20.77	23.86	27.11	0.5140
77	30	15	647168	3707.52	CP-OFDM 16 QAM	1@1	20.53	19.92	23.25	26.5	0.4467
77	30	15	656000	3840	CP-OFDM QPSK	1@1	20.67	20.73	23.71	26.96	0.4966
77	30	15	656000	3840	CP-OFDM 16 QAM	1@1	20.25	20.03	23.15	26.4	0.4365
77	30	15	664832	3972.48	CP-OFDM QPSK	1@1	21.1	21.13	24.13	27.38	0.5470
77	30	15	664832	3972.48	CP-OFDM 16 QAM	1@1	20.7	20.4	23.56	26.81	0.4797
77	30	20	647334	3710.01	CP-OFDM QPSK	1@1	21	20.79	23.91	27.16	0.5200
77	30	20	647334	3710.01	CP-OFDM 16 QAM	1@1	20.59	20.07	23.35	26.6	0.4571
77	30	20	656000	3840	CP-OFDM QPSK	1@1	20.69	20.8	23.76	27.01	0.5023
77	30	20	656000	3840	CP-OFDM 16 QAM	1@1	20.22	20.12	23.18	26.43	0.4395
77	30	20	664666	3969.99	CP-OFDM QPSK	1@1	21.08	21.05	24.08	27.33	0.5408
77	30	20	664666	3969.99	CP-OFDM 16 QAM	1@1	20.6	20.39	23.51	26.76	0.4742
77	30	30	647668	3715.02	CP-OFDM QPSK	1@1	20.93	20.71	23.83	27.08	0.5105
77	30	30	647668	3715.02	CP-OFDM 16 QAM	1@1	20.52	19.95	23.25	26.5	0.4467
77	30	30	656000	3840	CP-OFDM QPSK	1@1	20.67	20.91	23.80	27.05	0.5070
77	30	30	656000	3840	CP-OFDM 16 QAM	1@1	20.22	20.16	23.20	26.45	0.4416
77	30	30	664332	3964.98	CP-OFDM QPSK	1@1	21.16	21	24.09	27.34	0.5420
77	30	30	664332	3964.98	CP-OFDM 16 QAM	1@1	20.77	20.34	23.57	26.82	0.4808
77	30	40	648000	3720	CP-OFDM QPSK	1@1	21.2	20.98	24.10	27.35	0.5433
77	30	40	648000	3720	CP-OFDM 16 QAM	1@1	20.78	20.2	23.51	26.76	0.4742
77	30	40	656000	3840	CP-OFDM QPSK	1@1	20.73	21.04	23.90	27.15	0.5188
77	30	40	656000	3840	CP-OFDM 16 QAM	1@1	20.31	20.28	23.31	26.56	0.4529
77	30	40	664000	3960	CP-OFDM QPSK	1@1	21.18	20.79	24.00	27.25	0.5309
77	30	40	664000	3960	CP-OFDM 16 QAM	1@1	20.72	20.15	23.45	26.7	0.4677
77	30	50	648334	3725.01	CP-OFDM QPSK	1@1	20.82	20.51	23.68	26.93	0.4932
77	30	50	648334	3725.01	CP-OFDM 16 QAM	1@1	20.34	19.82	23.10	26.35	0.4315
77	30	50	656000	3840	CP-OFDM QPSK	1@1	20.58	20.74	23.67	26.92	0.4920
77	30	50	656000	3840	CP-OFDM 16 QAM	1@1	20.06	20.02	23.05	26.3	0.4266
77	30	50	663666	3954.99	CP-OFDM QPSK	1@1	20.94	20.44	23.71	26.96	0.4966
77	30	50	663666	3954.99	CP-OFDM 16 QAM	1@1	20.48	19.81	23.17	26.42	0.4385
77	30	60	648668	3730.02	CP-OFDM QPSK	1@1	20.78	20.56	23.68	26.93	0.4932
77	30	60	648668	3730.02	CP-OFDM 16 QAM	1@1	20.39	19.86	23.14	26.39	0.4355

77	30	60	656000	3840	CP-OFDM QPSK	1@1	20.5	20.69	23.61	26.86	0.4853
77	30	60	656000	3840	CP-OFDM 16 QAM	1@1	20.06	19.95	23.02	26.27	0.4236
77	30	60	663332	3949.98	CP-OFDM QPSK	1@1	20.9	20.55	23.74	26.99	0.5000
77	30	60	663332	3949.98	CP-OFDM 16 QAM	1@1	20.47	19.91	23.21	26.46	0.4426
77	30	70	649000	3735	CP-OFDM QPSK	1@1	20.64	20.37	23.52	26.77	0.4753
77	30	70	649000	3735	CP-OFDM 16 QAM	1@1	20.17	19.62	22.91	26.16	0.4130
77	30	70	656000	3840	CP-OFDM QPSK	1@1	20.4	20.48	23.45	26.7	0.4677
77	30	70	656000	3840	CP-OFDM 16 QAM	1@1	19.86	19.74	22.81	26.06	0.4036
77	30	70	663000	3945	CP-OFDM QPSK	1@1	20.63	20.46	23.56	26.81	0.4797
77	30	70	663000	3945	CP-OFDM 16 QAM	1@1	20.25	19.77	23.03	26.28	0.4246
77	30	80	649334	3740.01	CP-OFDM QPSK	1@1	20.73	20.4	23.58	26.83	0.4819
77	30	80	649334	3740.01	CP-OFDM 16 QAM	1@1	20.17	19.65	22.93	26.18	0.4150
77	30	80	656000	3840	CP-OFDM QPSK	1@1	20.33	20.47	23.41	26.66	0.4634
77	30	80	656000	3840	CP-OFDM 16 QAM	1@1	19.81	19.73	22.78	26.03	0.4009
77	30	80	662666	3939.99	CP-OFDM QPSK	1@1	20.69	20.53	23.62	26.87	0.4864
77	30	80	662666	3939.99	CP-OFDM 16 QAM	1@1	20.12	19.76	22.95	26.2	0.4169
77	30	90	649668	3745.02	CP-OFDM QPSK	1@1	20.65	20.32	23.50	26.75	0.4732
77	30	90	649668	3745.02	CP-OFDM 16 QAM	1@1	20.04	19.57	22.82	26.07	0.4046
77	30	90	656000	3840	CP-OFDM QPSK	1@1	20.39	20.47	23.44	26.69	0.4667
77	30	90	656000	3840	CP-OFDM 16 QAM	1@1	19.85	19.71	22.79	26.04	0.4018
77	30	90	662332	3934.98	CP-OFDM QPSK	1@1	20.73	20.67	23.71	26.96	0.4966
77	30	90	662332	3934.98	CP-OFDM 16 QAM	1@1	20.36	20.01	23.20	26.45	0.4416
77	30	100	650000	3750	CP-OFDM QPSK	137@68	20.56	20.43	23.51	26.76	0.4742
77	30	100	650000	3750	CP-OFDM QPSK	1@1	20.54	20.42	23.49	26.74	0.4721
77	30	100	650000	3750	CP-OFDM QPSK	1@271	20.27	20.66	23.48	26.73	0.4710
77	30	100	650000	3750	CP-OFDM 16 QAM	137@68	20.13	19.99	23.07	26.32	0.4285
77	30	100	650000	3750	CP-OFDM 16 QAM	1@1	20.19	19.71	22.97	26.22	0.4188
77	30	100	650000	3750	CP-OFDM 16 QAM	1@271	19.79	19.86	22.84	26.09	0.4064
77	30	100	650000	3750	CP-OFDM 64 QAM	137@68	18.59	18.49	21.55	24.8	0.3020
77	30	100	650000	3750	CP-OFDM 64 QAM	1@1	18.75	18.2	21.49	24.74	0.2979
77	30	100	650000	3750	CP-OFDM 64 QAM	1@271	18.32	18.24	21.29	24.54	0.2844
77	30	100	650000	3750	CP-OFDM 256 QAM	137@68	15.57	15.44	18.52	21.77	0.1503
77	30	100	650000	3750	CP-OFDM 256 QAM	1@1	15.63	15.47	18.56	21.81	0.1517
77	30	100	650000	3750	CP-OFDM 256 QAM	1@271	15.27	15.58	18.44	21.69	0.1476
77	30	100	656000	3840	CP-OFDM QPSK	137@68	20.51	20.37	23.45	26.7	0.4677
77	30	100	656000	3840	CP-OFDM QPSK	1@1	20.28	20.39	23.35	26.6	0.4571
77	30	100	656000	3840	CP-OFDM QPSK	1@271	20.76	20.61	23.70	26.95	0.4955
77	30	100	656000	3840	CP-OFDM 16 QAM	137@68	19.96	19.86	22.92	26.17	0.4140
77	30	100	656000	3840	CP-OFDM 16 QAM	1@1	19.87	19.72	22.81	26.06	0.4036
77	30	100	656000	3840	CP-OFDM 16 QAM	1@271	20.27	19.91	23.10	26.35	0.4315
77	30	100	656000	3840	CP-OFDM 64 QAM	137@68	18.45	18.33	21.40	24.65	0.2917
77	30	100	656000	3840	CP-OFDM 64 QAM	1@1	18.47	18.18	21.34	24.59	0.2877
77	30	100	656000	3840	CP-OFDM 64 QAM	1@271	18.93	18.35	21.66	24.91	0.3097
77	30	100	656000	3840	CP-OFDM 256 QAM	137@68	15.45	15.35	18.41	21.66	0.1466
77	30	100	656000	3840	CP-OFDM 256 QAM	1@1	15.31	15.44	18.39	21.64	0.1459

77	30	100	656000	3840	CP-OFDM 256 QAM	1@271	15.84	15.72	18.79	22.04	0.1600
77	30	100	662000	3930	CP-OFDM QPSK	137@68	20.86	20.59	23.74	26.99	0.5000
77	30	100	662000	3930	CP-OFDM QPSK	1@1	20.6	20.65	23.64	26.89	0.4887
77	30	100	662000	3930	CP-OFDM QPSK	1@271	21.19	21.18	24.20	27.45	0.5559
77	30	100	662000	3930	CP-OFDM 16 QAM	137@68	20.39	20.12	23.27	26.52	0.4487
77	30	100	662000	3930	CP-OFDM 16 QAM	1@1	20.22	19.85	23.05	26.3	0.4266
77	30	100	662000	3930	CP-OFDM 16 QAM	1@271	20.74	20.46	23.61	26.86	0.4853
77	30	100	662000	3930	CP-OFDM 64 QAM	137@68	18.96	18.67	21.83	25.08	0.3221
77	30	100	662000	3930	CP-OFDM 64 QAM	1@1	18.79	18.23	21.53	24.78	0.3006
77	30	100	662000	3930	CP-OFDM 64 QAM	1@271	19.26	18.88	22.08	25.33	0.3412
77	30	100	662000	3930	CP-OFDM 256 QAM	137@68	15.98	15.86	18.93	22.18	0.1652
77	30	100	662000	3930	CP-OFDM 256 QAM	1@1	15.71	15.67	18.70	21.95	0.1567
77	30	100	662000	3930	CP-OFDM 256 QAM	1@271	16.25	16.18	19.23	22.48	0.1770

FR1 N77 MIMO-ANT4

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	0.0044	**PASS**	NV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0066	**PASS**	LV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0047	**PASS**	HV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0068	**PASS**	-30℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0044	**PASS**	-20℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0050	**PASS**	-10℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0042	**PASS**	0℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0063	**PASS**	10℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0044	**PASS**	20℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0049	**PASS**	30℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0035	**PASS**	40℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0055	**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	656000	3840.0	CP-OFDM QPSK	51@0	7.38	13	**PASS**

N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

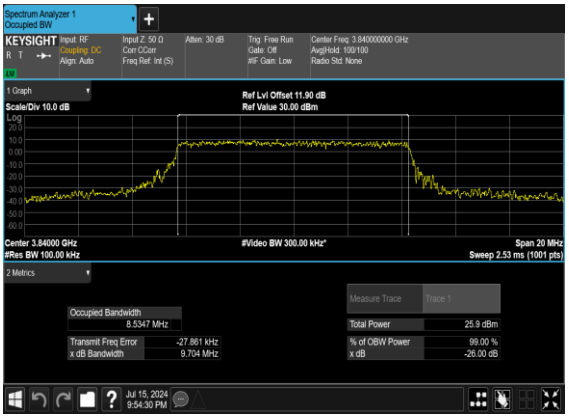
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
77	30	10	656000	3840.0	CP-OFDM QPSK	24@0	8.5949	9.662
77	30	10	656000	3840.0	CP-OFDM 16 QAM	24@0	8.5347	9.704
77	30	10	656000	3840.0	CP-OFDM 64 QAM	24@0	8.5893	9.715
77	30	10	656000	3840.0	CP-OFDM 256 QAM	24@0	8.5887	9.651
77	30	15	656000	3840.0	CP-OFDM QPSK	38@0	13.537	14.84
77	30	15	656000	3840.0	CP-OFDM 16 QAM	38@0	13.546	14.53
77	30	15	656000	3840.0	CP-OFDM 64 QAM	38@0	13.644	14.37
77	30	15	656000	3840.0	CP-OFDM 256 QAM	38@0	13.534	14.43
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	18.223	19.18
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	18.198	19.95
77	30	20	656000	3840.0	CP-OFDM 64 QAM	51@0	18.176	19.4
77	30	20	656000	3840.0	CP-OFDM 256 QAM	51@0	18.142	19.17
77	30	30	656000	3840.0	CP-OFDM QPSK	78@0	27.903	29.05
77	30	30	656000	3840.0	CP-OFDM 16 QAM	78@0	27.835	29.07
77	30	30	656000	3840.0	CP-OFDM 64 QAM	78@0	27.799	29.72
77	30	30	656000	3840.0	CP-OFDM 256 QAM	78@0	27.704	29.31
77	30	40	656000	3840.0	CP-OFDM QPSK	106@0	37.824	39.24
77	30	40	656000	3840.0	CP-OFDM 16 QAM	106@0	37.86	39.26
77	30	40	656000	3840.0	CP-OFDM 64 QAM	106@0	37.834	39.51
77	30	40	656000	3840.0	CP-OFDM 256 QAM	106@0	37.828	39.22
77	30	50	656000	3840.0	CP-OFDM QPSK	133@0	47.423	48.94
77	30	50	656000	3840.0	CP-OFDM 16 QAM	133@0	47.376	49.18
77	30	50	656000	3840.0	CP-OFDM 64 QAM	133@0	47.33	49.41
77	30	50	656000	3840.0	CP-OFDM 256 QAM	133@0	47.535	49.14
77	30	60	656000	3840.0	CP-OFDM QPSK	162@0	57.739	59.98
77	30	60	656000	3840.0	CP-OFDM 16 QAM	162@0	57.679	59.84

77	30	60	656000	3840.0	CP-OFDM 64 QAM	162@0	57.872	59.7
77	30	60	656000	3840.0	CP-OFDM 256 QAM	162@0	57.979	60.01
77	30	70	656000	3840.0	CP-OFDM QPSK	189@0	67.566	70.11
77	30	70	656000	3840.0	CP-OFDM 16 QAM	189@0	67.356	69.64
77	30	70	656000	3840.0	CP-OFDM 64 QAM	189@0	67.478	69.75
77	30	70	656000	3840.0	CP-OFDM 256 QAM	189@0	67.551	69.78
77	30	80	656000	3840.0	CP-OFDM QPSK	217@0	77.394	79.95
77	30	80	656000	3840.0	CP-OFDM 16 QAM	217@0	77.45	79.91
77	30	80	656000	3840.0	CP-OFDM 64 QAM	217@0	77.689	80.01
77	30	80	656000	3840.0	CP-OFDM 256 QAM	217@0	77.506	80.16
77	30	90	656000	3840.0	CP-OFDM QPSK	245@0	87.554	90.18
77	30	90	656000	3840.0	CP-OFDM 16 QAM	245@0	87.518	90.29
77	30	90	656000	3840.0	CP-OFDM 64 QAM	245@0	87.385	90.31
77	30	90	656000	3840.0	CP-OFDM 256 QAM	245@0	87.295	90.29
77	30	100	656000	3840.0	CP-OFDM QPSK	273@0	97.309	100.6
77	30	100	656000	3840.0	CP-OFDM 16 QAM	273@0	97.555	100.4
77	30	100	656000	3840.0	CP-OFDM 64 QAM	273@0	97.342	100.5
77	30	100	656000	3840.0	CP-OFDM 256 QAM	273@0	97.448	100.5

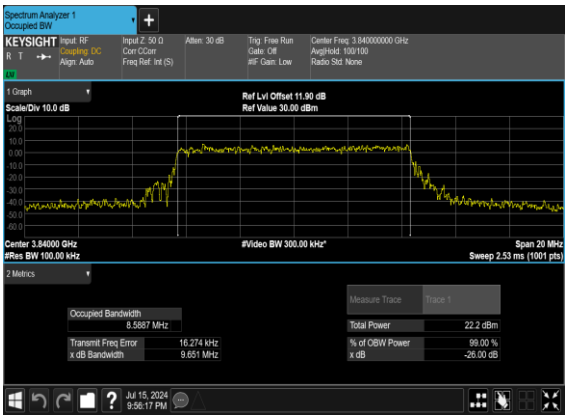
N77(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

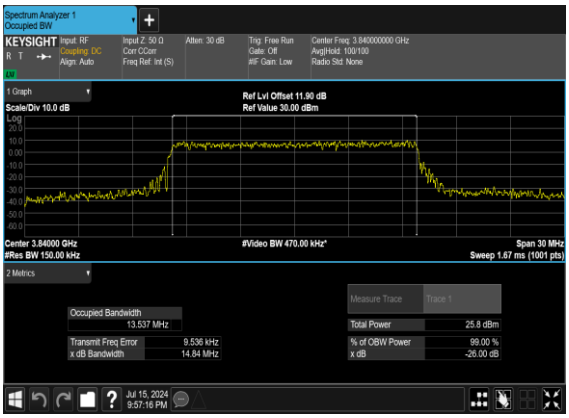


N77(10M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

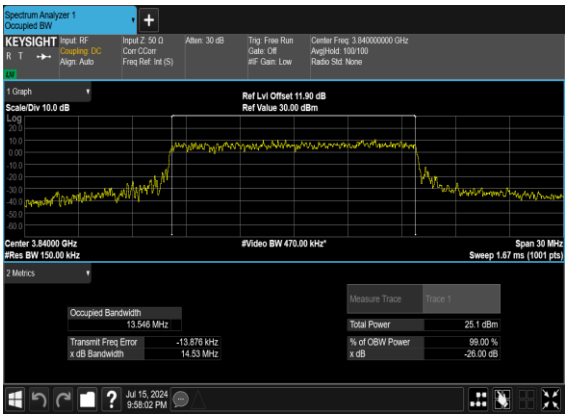
N77(10M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



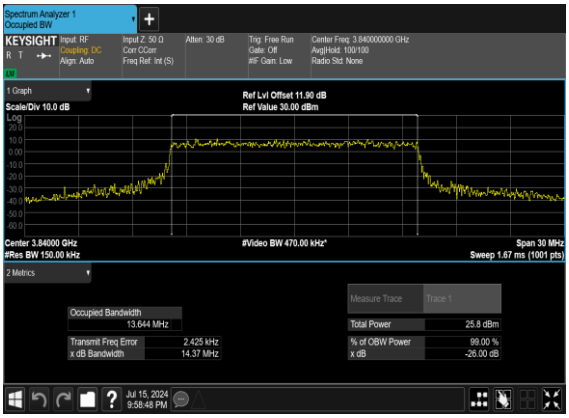
N77(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



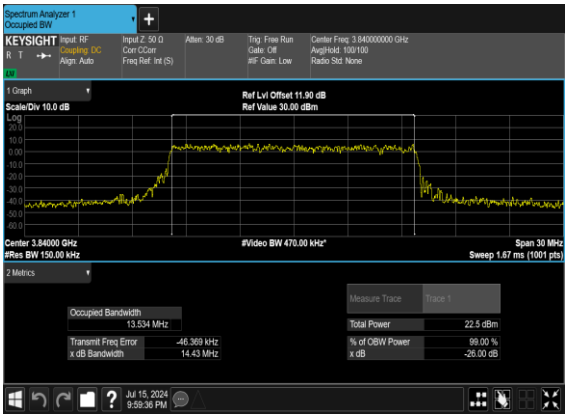
N77(15M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



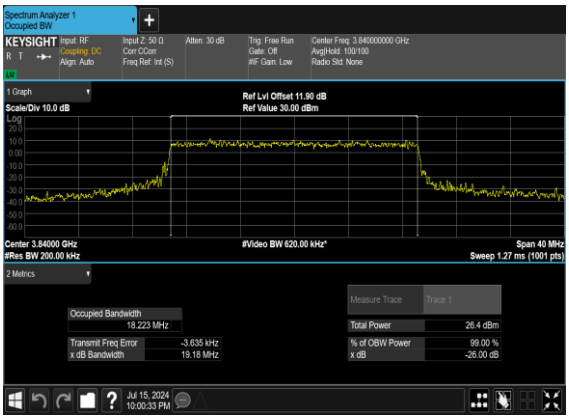
N77(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

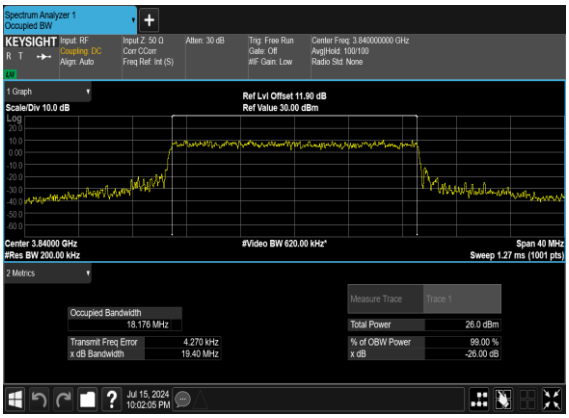


N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

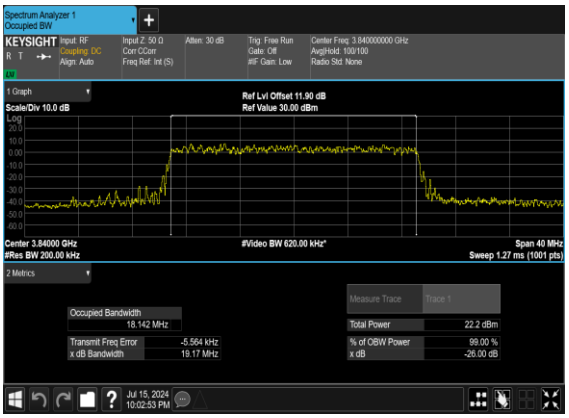


N77(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

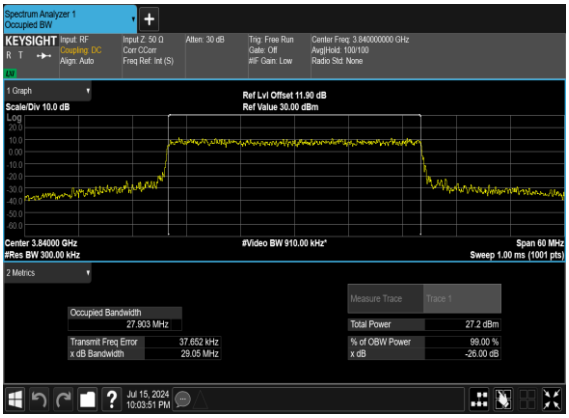
N77(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



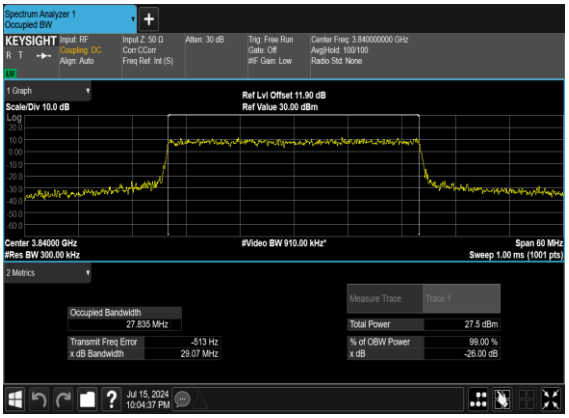
N77(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N77(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

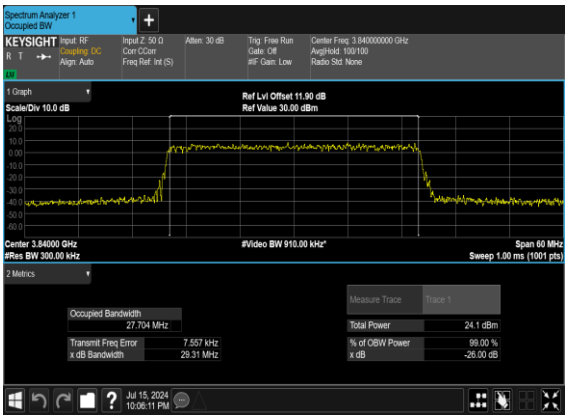


N77(30M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

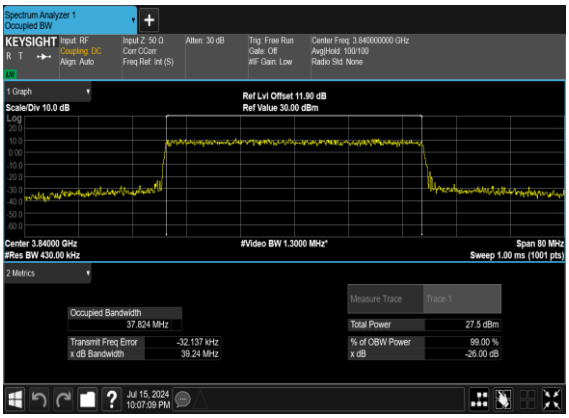


N77(30M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

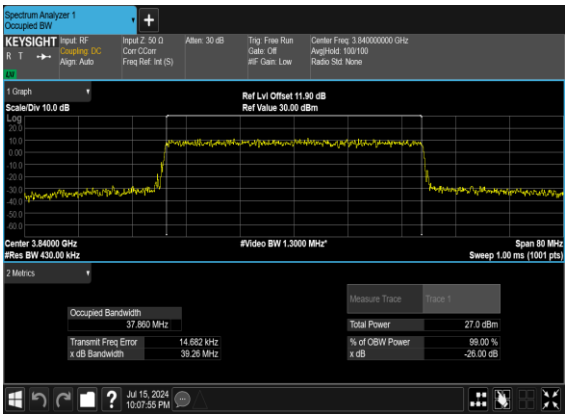
N77(30M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



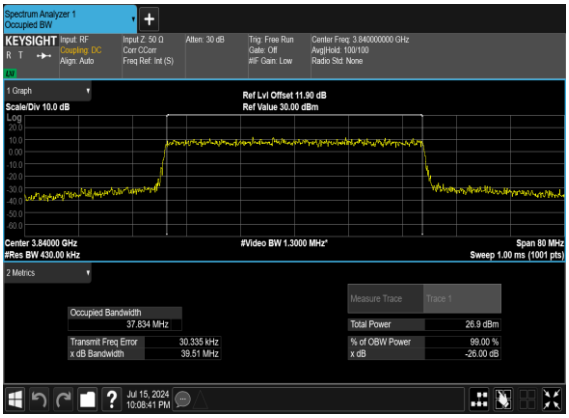
N77(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



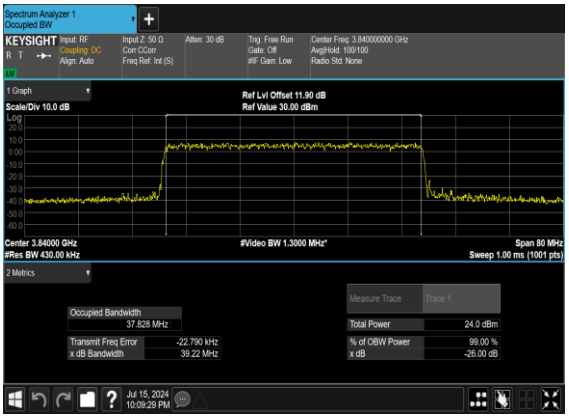
N77(40M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



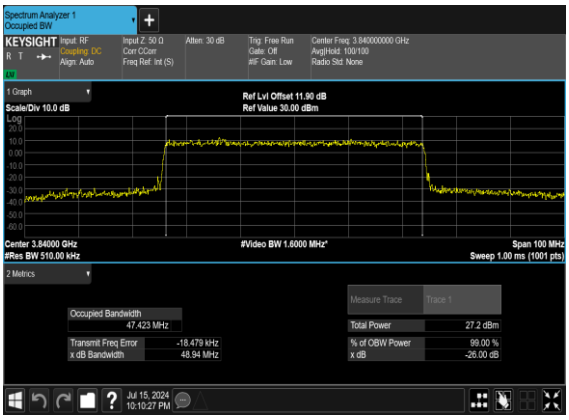
N77(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



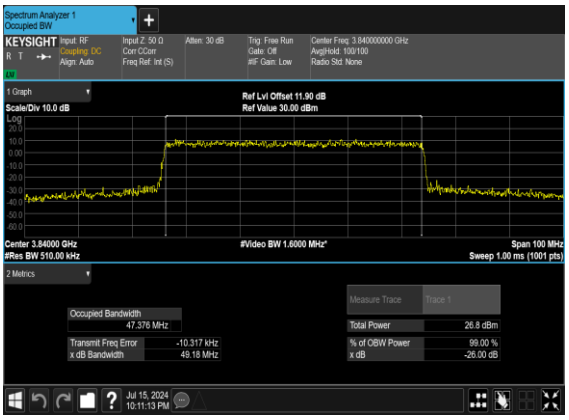
N77(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



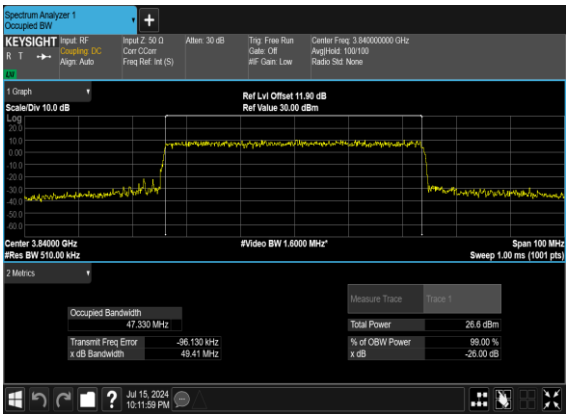
N77(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



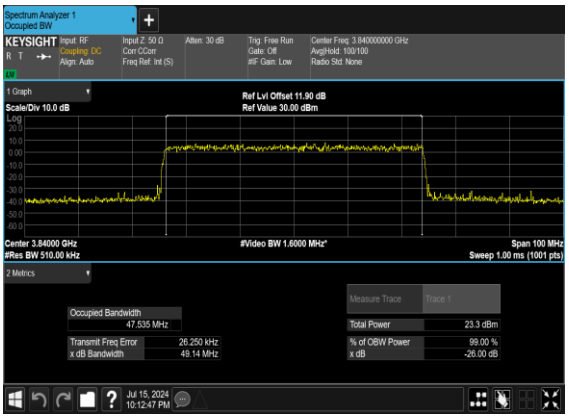
N77(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



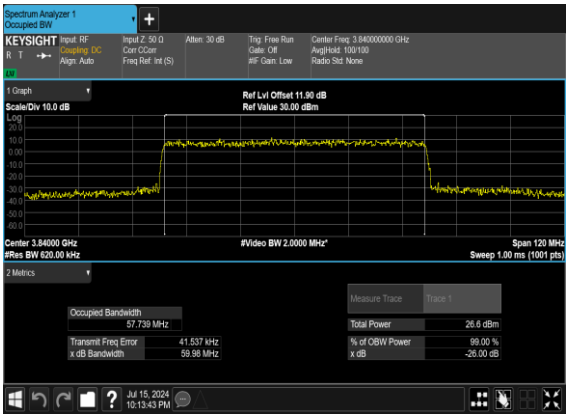
N77(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

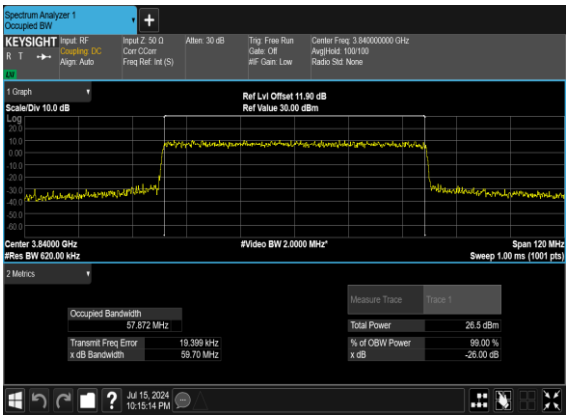


N77(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

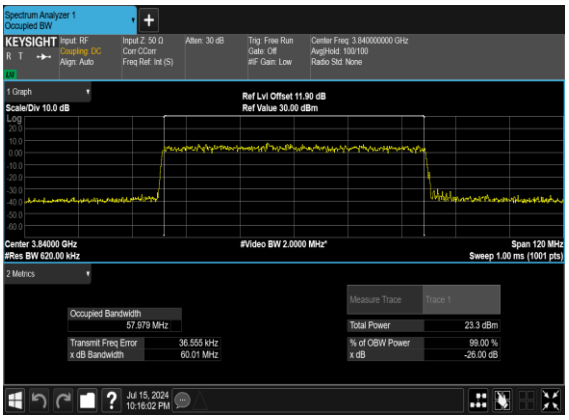


N77(60M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

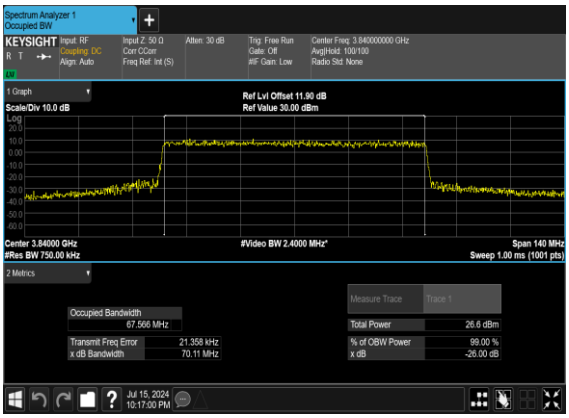
N77(60M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



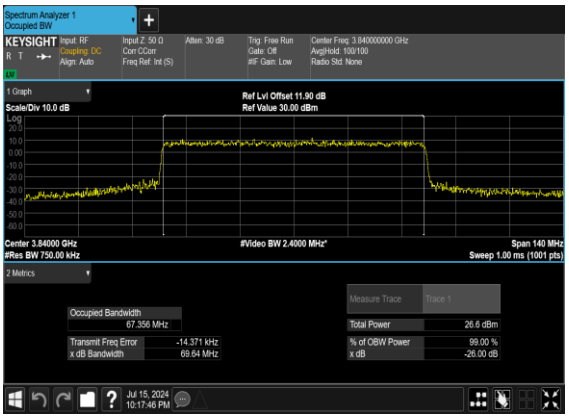
N77(60M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



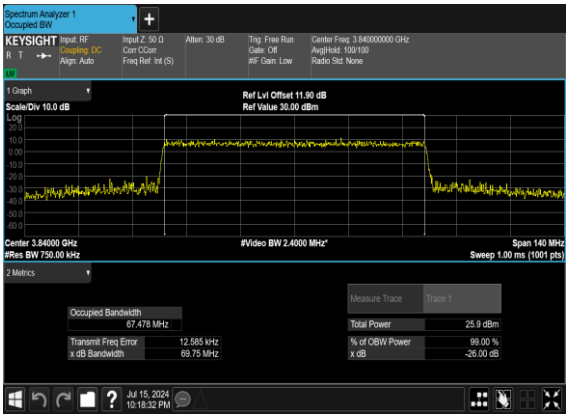
N77(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



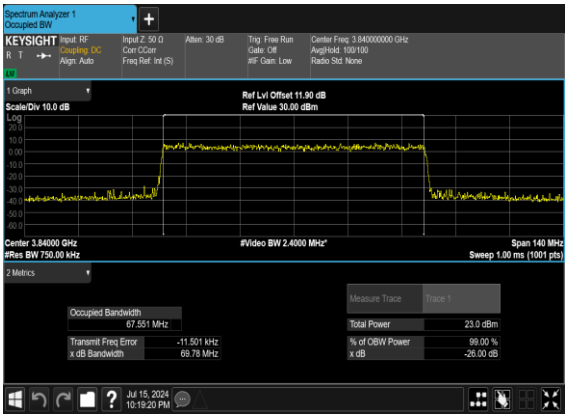
N77(70M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N77(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

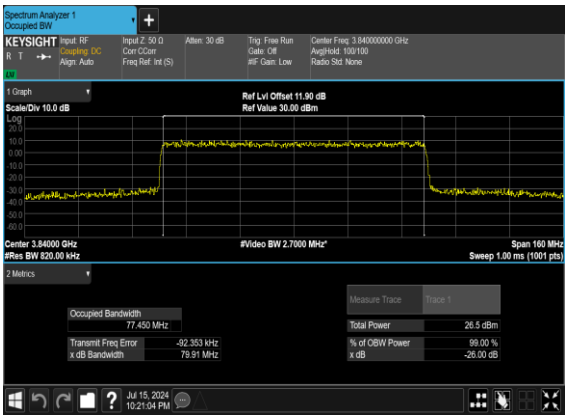


N77(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

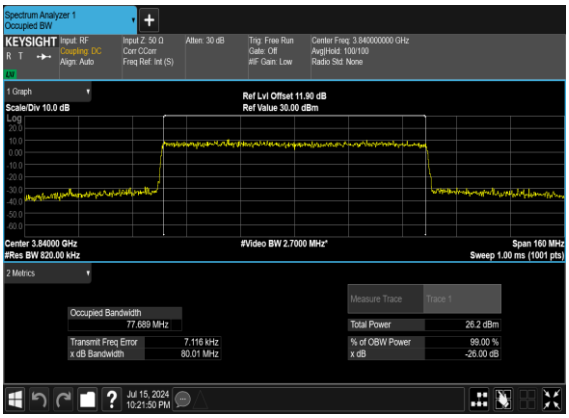


N77(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

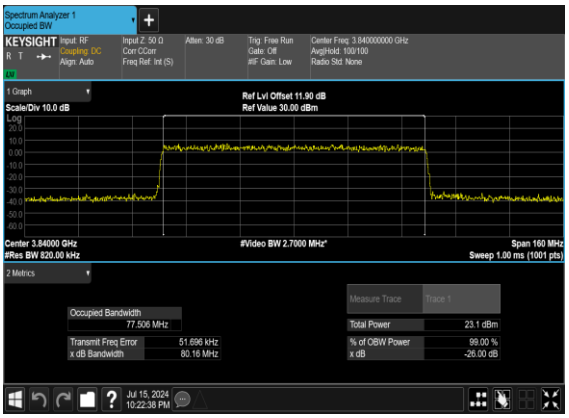
N77(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

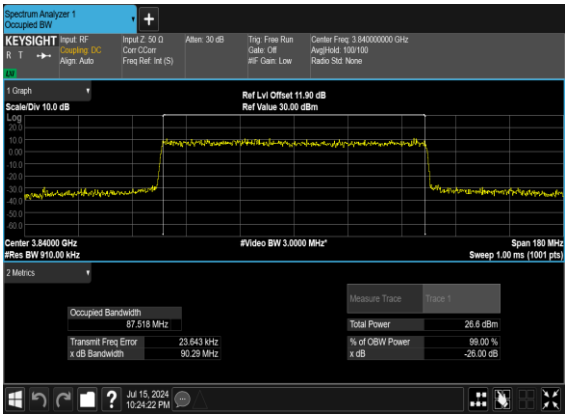


N77(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



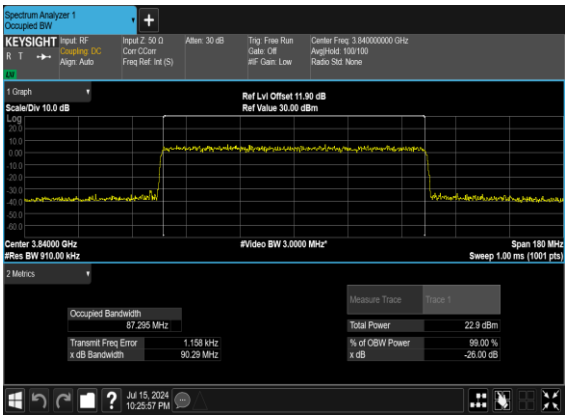
N77(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(90M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N77(90M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

N77(90M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

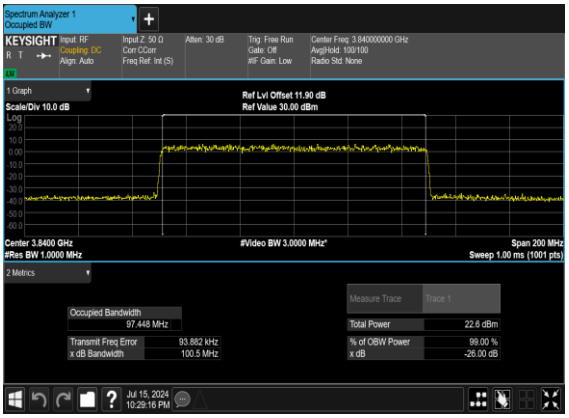


N77(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(100M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

N77(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

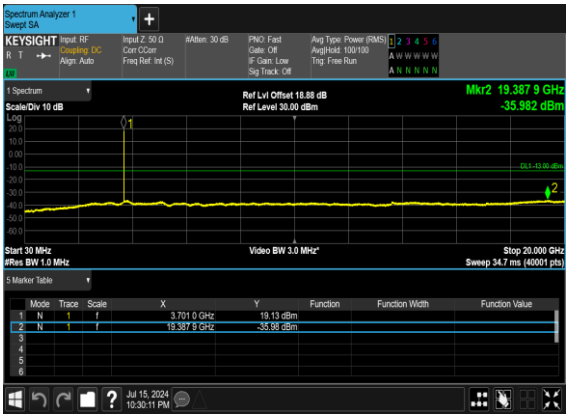
N77(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



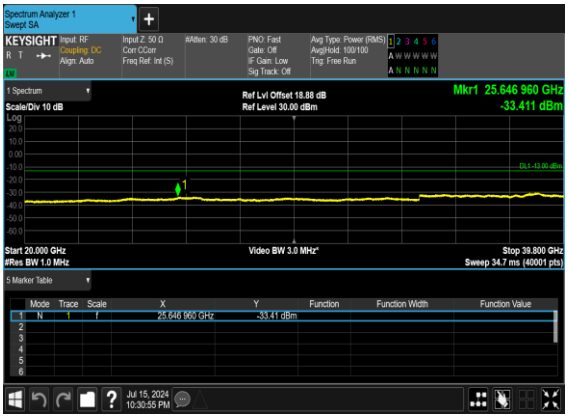
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	647000	3705.0	CP-OFDM QPSK	1@0	see graph	**---**
77	30	10	647000	3705.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	647000	3705.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	656000	3840.0	CP-OFDM QPSK	1@0	see graph	**---**
77	30	10	656000	3840.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	656000	3840.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	665000	3975.0	CP-OFDM QPSK	1@0	see graph	**---**
77	30	10	665000	3975.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	665000	3975.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	**---**
77	30	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	656000	3840.0	CP-OFDM QPSK	1@0	see graph	**---**
77	30	50	656000	3840.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	656000	3840.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	663666	3954.99	CP-OFDM QPSK	1@0	see graph	**---**
77	30	50	663666	3954.99	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	663666	3954.99	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	CP-OFDM QPSK	1@0	see graph	**---**
77	30	100	650000	3750.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	656000	3840.0	CP-OFDM QPSK	1@0	see graph	**---**
77	30	100	656000	3840.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	656000	3840.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	662000	3930.0	CP-OFDM QPSK	1@0	see graph	**---**
77	30	100	662000	3930.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	662000	3930.0	CP-OFDM QPSK	1@0	see graph	**PASS**

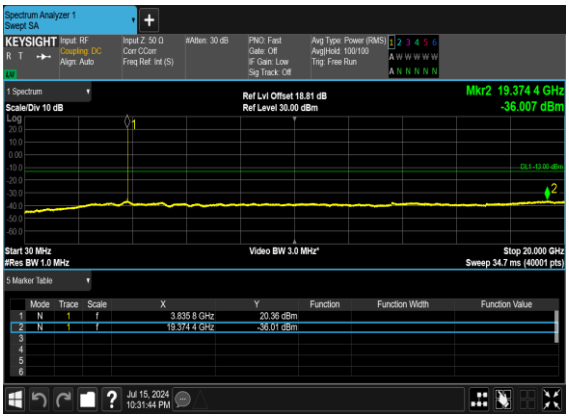
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



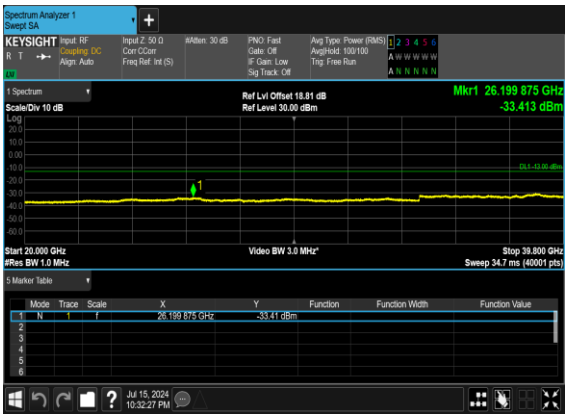
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



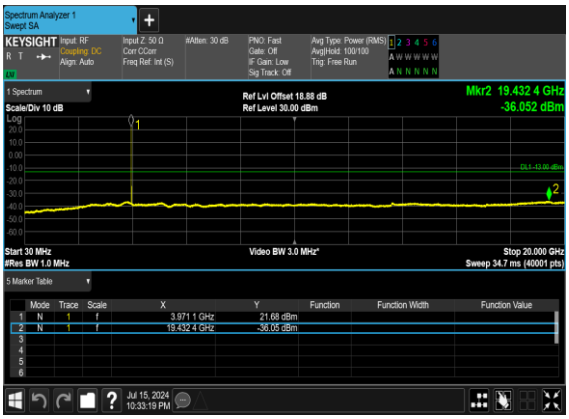
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



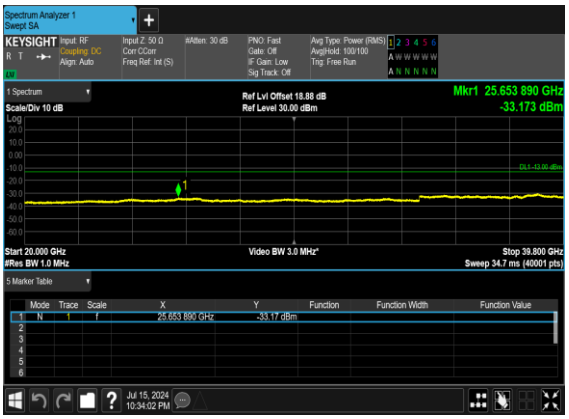
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



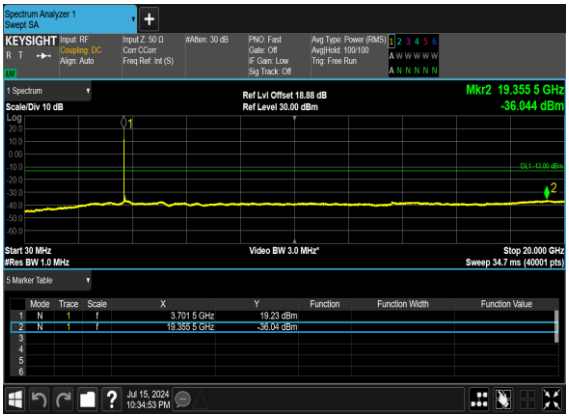
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



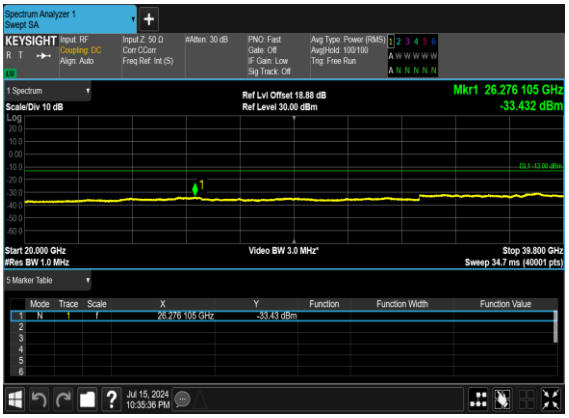
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



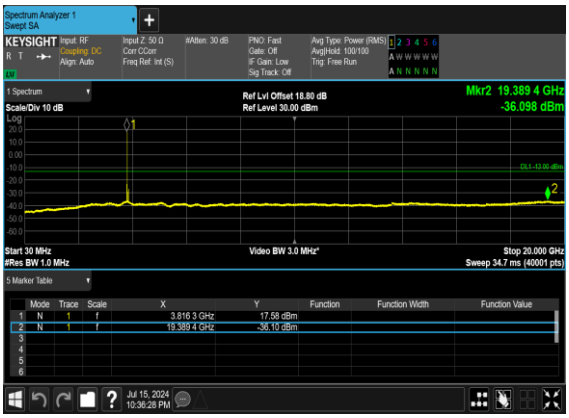
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



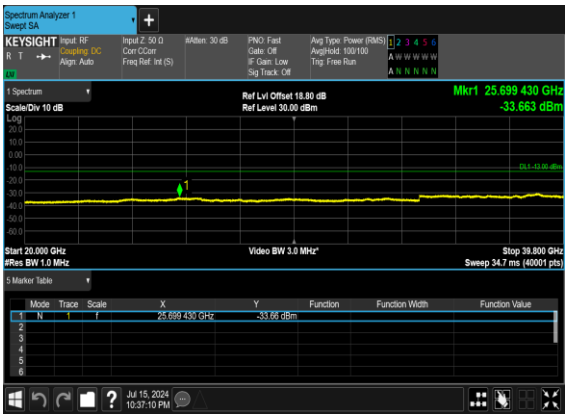
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



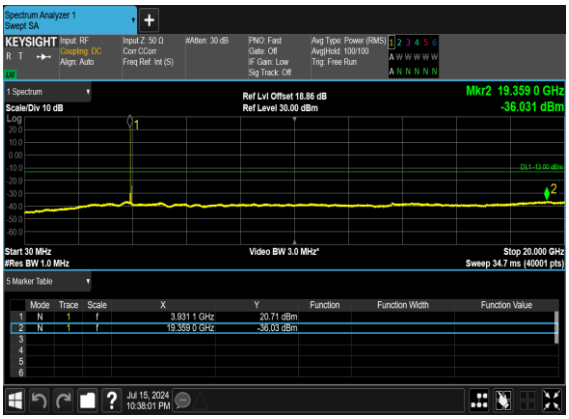
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



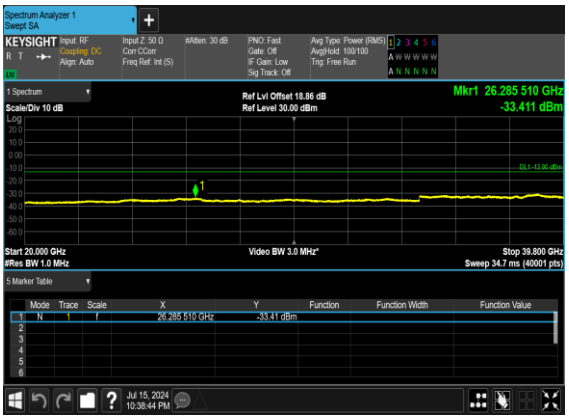
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



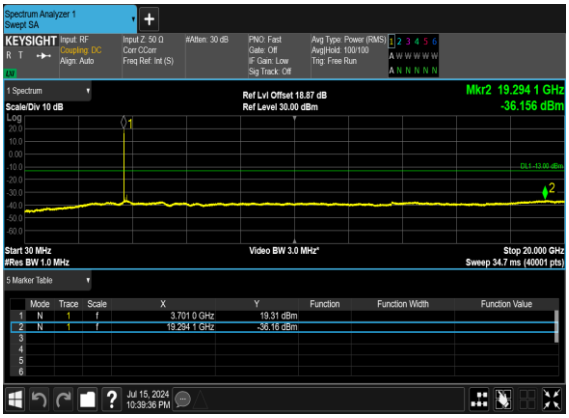
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



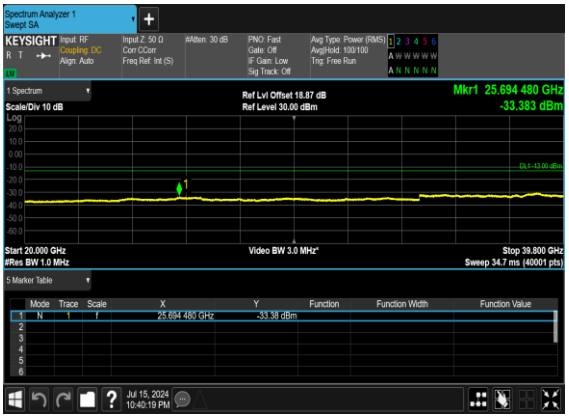
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



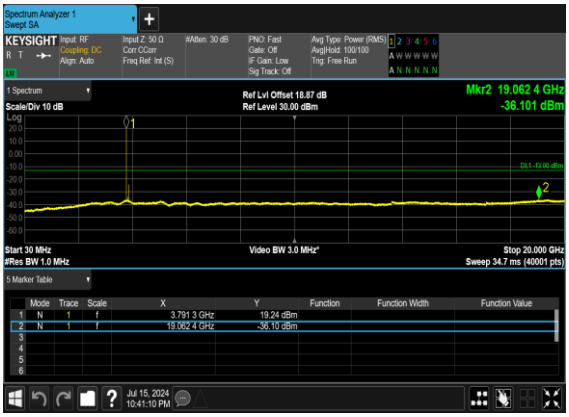
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



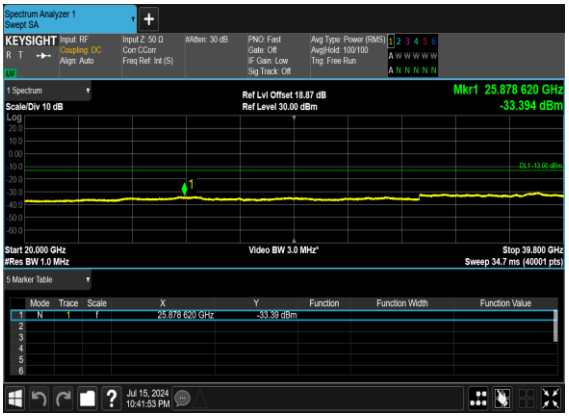
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



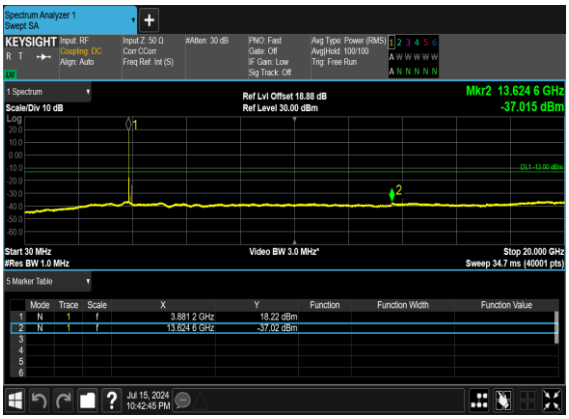
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



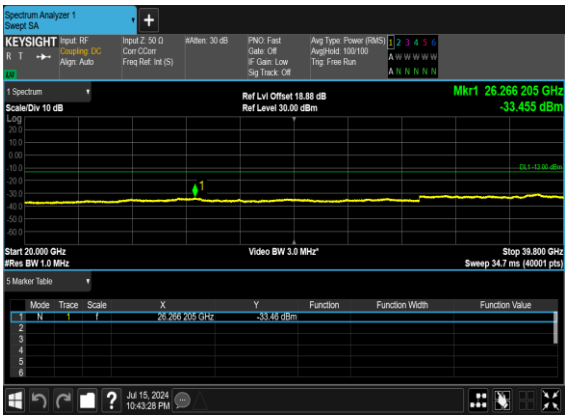
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH

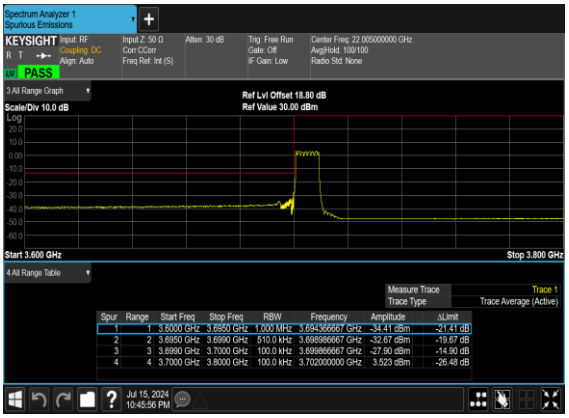


Conducted Band Edge

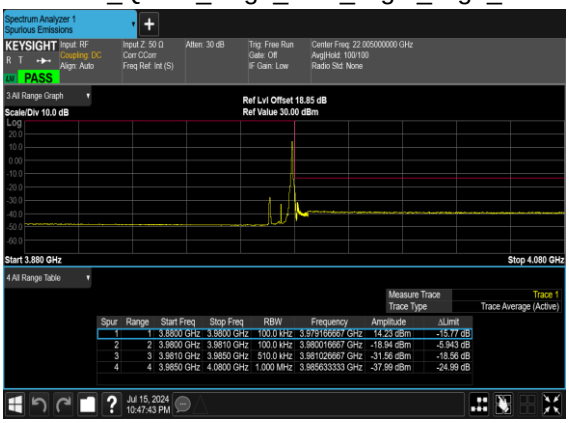
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	647000	3705.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	647000	3705.0	CP-OFDM QPSK	24@0	see graph	**PASS**
77	30	10	665000	3975.0	CP-OFDM QPSK	1@23	see graph	**PASS**
77	30	10	665000	3975.0	CP-OFDM QPSK	24@0	see graph	**PASS**
77	30	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	648334	3725.01	CP-OFDM QPSK	133@0	see graph	**PASS**
77	30	50	663666	3954.99	CP-OFDM QPSK	1@132	see graph	**PASS**
77	30	50	663666	3954.99	CP-OFDM QPSK	133@0	see graph	**PASS**
77	30	100	650000	3750.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	CP-OFDM QPSK	273@0	see graph	**PASS**
77	30	100	662000	3930.0	CP-OFDM QPSK	1@272	see graph	**PASS**
77	30	100	662000	3930.0	CP-OFDM QPSK	273@0	see graph	**PASS**

N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH

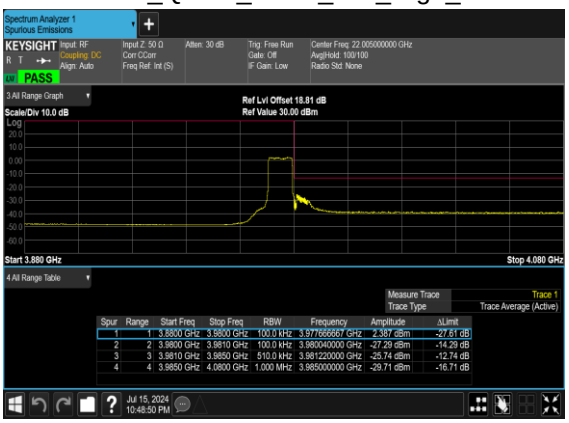
N77(10M)_CP-OFDM_QPSK_Outer_Full_Low_CH



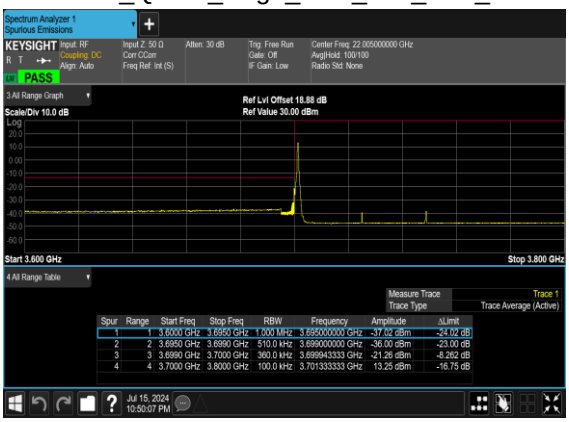
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH



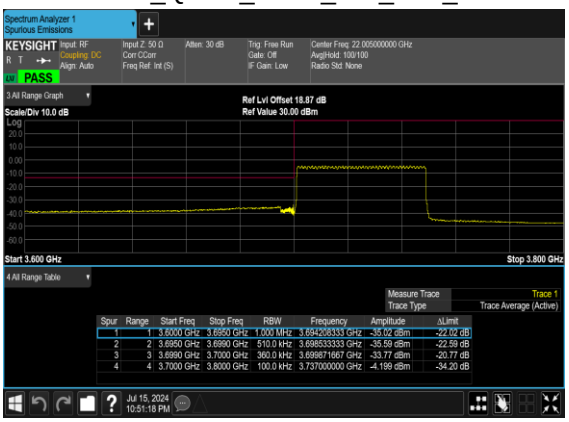
N77(10M)_CP-OFDM_QPSK_Outer_Full_High_CH



N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH

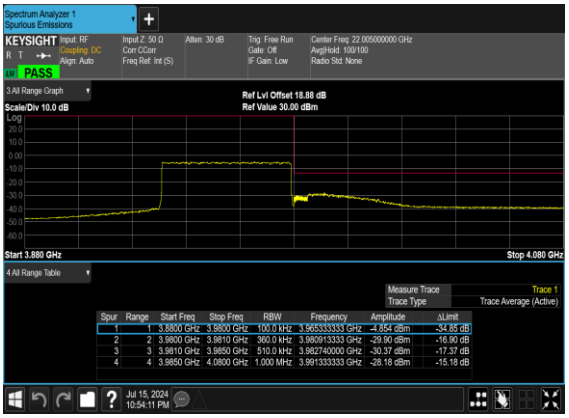


N77(50M)_CP-OFDM_QPSK_Outer_Full_Low_CH

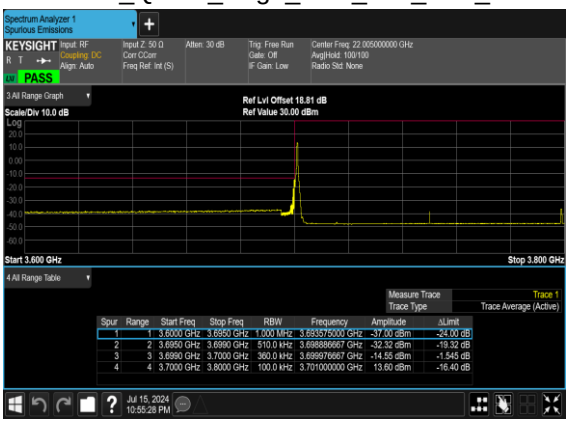


N77(50M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH

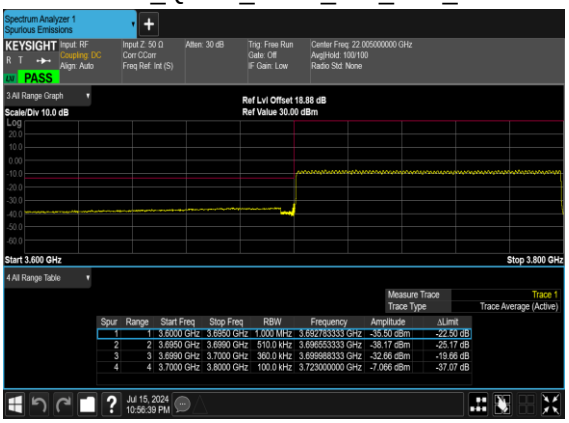
N77(50M)_CP-OFDM_QPSK_Outer_Full_High_CH



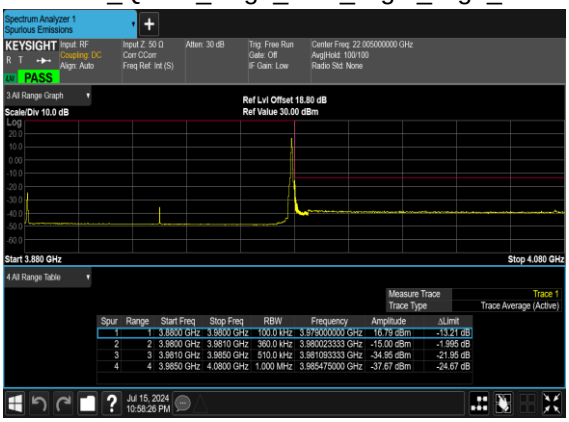
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



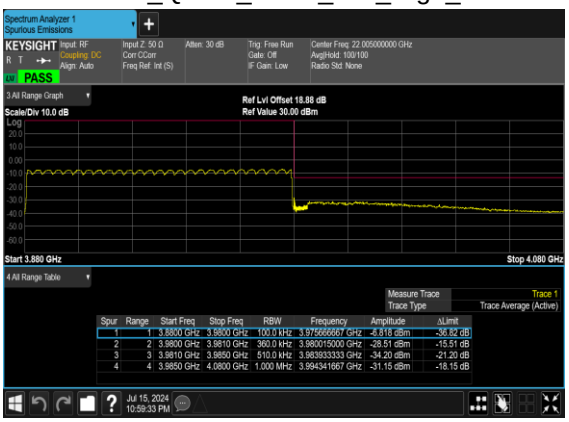
N77(100M)_CP-OFDM_QPSK_Outer_Full_Low_CH



N77(100M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(100M)_CP-OFDM_QPSK_Outer_Full_High_CH



Software Version: 23.06.1602

FR1 N77 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	0.0069	**PASS**	NV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0048	**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	0.0069	**PASS**	-30℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0020	**PASS**	-20℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0052	**PASS**	-10℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0062	**PASS**	0℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0057	**PASS**	10℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0069	**PASS**	20℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0060	**PASS**	30℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0061	**PASS**	40℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0053	**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	656000	3840.0	CP-OFDM QPSK	51@0	7.36	13	**PASS**

N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

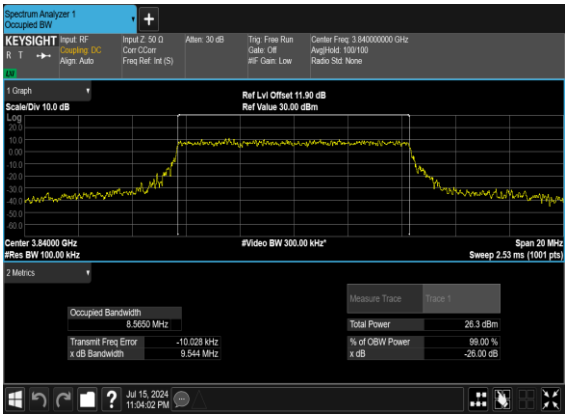
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
77	30	10	656000	3840.0	CP-OFDM QPSK	24@0	8.5644	9.478
77	30	10	656000	3840.0	CP-OFDM 16 QAM	24@0	8.565	9.544
77	30	10	656000	3840.0	CP-OFDM 64 QAM	24@0	8.5658	9.771
77	30	10	656000	3840.0	CP-OFDM 256 QAM	24@0	8.5789	9.535
77	30	15	656000	3840.0	CP-OFDM QPSK	38@0	13.564	14.73
77	30	15	656000	3840.0	CP-OFDM 16 QAM	38@0	13.532	14.28
77	30	15	656000	3840.0	CP-OFDM 64 QAM	38@0	13.548	14.48
77	30	15	656000	3840.0	CP-OFDM 256 QAM	38@0	13.565	14.62
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	18.231	19.39
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	18.248	19.56
77	30	20	656000	3840.0	CP-OFDM 64 QAM	51@0	18.155	19.13
77	30	20	656000	3840.0	CP-OFDM 256 QAM	51@0	18.152	19.34
77	30	30	656000	3840.0	CP-OFDM QPSK	78@0	27.815	29.15
77	30	30	656000	3840.0	CP-OFDM 16 QAM	78@0	27.858	28.96
77	30	30	656000	3840.0	CP-OFDM 64 QAM	78@0	27.757	28.73
77	30	30	656000	3840.0	CP-OFDM 256 QAM	78@0	27.82	29.37
77	30	40	656000	3840.0	CP-OFDM QPSK	106@0	37.895	39.1
77	30	40	656000	3840.0	CP-OFDM 16 QAM	106@0	37.91	39.11
77	30	40	656000	3840.0	CP-OFDM 64 QAM	106@0	37.833	39.23
77	30	40	656000	3840.0	CP-OFDM 256 QAM	106@0	37.847	39.66
77	30	50	656000	3840.0	CP-OFDM QPSK	133@0	47.529	49.39
77	30	50	656000	3840.0	CP-OFDM 16 QAM	133@0	47.407	49.27
77	30	50	656000	3840.0	CP-OFDM 64 QAM	133@0	47.475	49.07
77	30	50	656000	3840.0	CP-OFDM 256 QAM	133@0	47.462	49.06
77	30	60	656000	3840.0	CP-OFDM QPSK	162@0	57.756	59.92
77	30	60	656000	3840.0	CP-OFDM 16 QAM	162@0	57.715	59.62

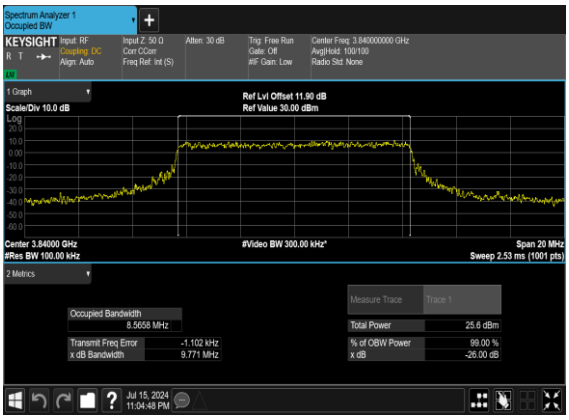
77	30	60	656000	3840.0	CP-OFDM 64 QAM	162@0	57.693	59.91
77	30	60	656000	3840.0	CP-OFDM 256 QAM	162@0	57.87	59.85
77	30	70	656000	3840.0	CP-OFDM QPSK	189@0	67.564	69.63
77	30	70	656000	3840.0	CP-OFDM 16 QAM	189@0	67.533	69.82
77	30	70	656000	3840.0	CP-OFDM 64 QAM	189@0	67.35	69.73
77	30	70	656000	3840.0	CP-OFDM 256 QAM	189@0	67.459	70.07
77	30	80	656000	3840.0	CP-OFDM QPSK	217@0	77.501	80.06
77	30	80	656000	3840.0	CP-OFDM 16 QAM	217@0	77.63	80.22
77	30	80	656000	3840.0	CP-OFDM 64 QAM	217@0	77.37	79.93
77	30	80	656000	3840.0	CP-OFDM 256 QAM	217@0	77.582	79.95
77	30	90	656000	3840.0	CP-OFDM QPSK	245@0	87.56	90.21
77	30	90	656000	3840.0	CP-OFDM 16 QAM	245@0	87.543	90.25
77	30	90	656000	3840.0	CP-OFDM 64 QAM	245@0	87.458	90.51
77	30	90	656000	3840.0	CP-OFDM 256 QAM	245@0	87.518	90.32
77	30	100	656000	3840.0	CP-OFDM QPSK	273@0	97.509	100.5
77	30	100	656000	3840.0	CP-OFDM 16 QAM	273@0	97.516	100.5
77	30	100	656000	3840.0	CP-OFDM 64 QAM	273@0	97.238	100.5
77	30	100	656000	3840.0	CP-OFDM 256 QAM	273@0	97.546	100.5

N77(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

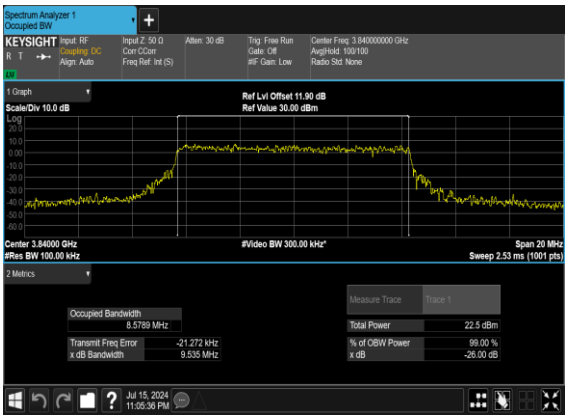
N77(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N77(10M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



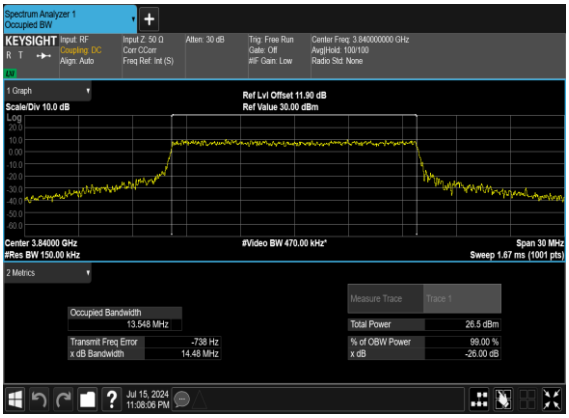
N77(10M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



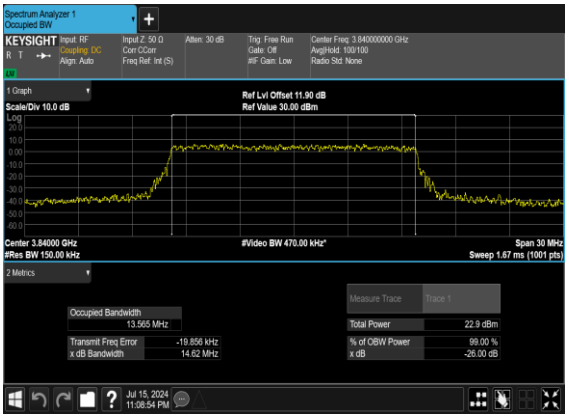
N77(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(15M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

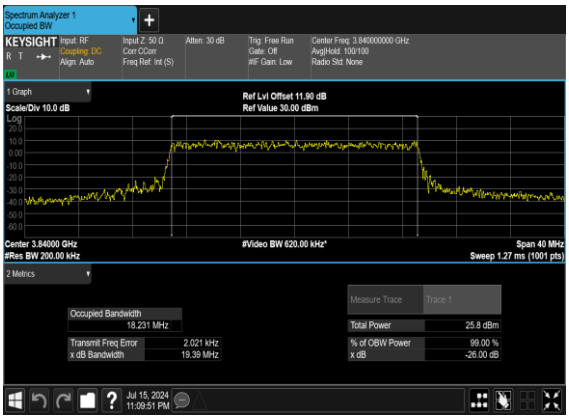
N77(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



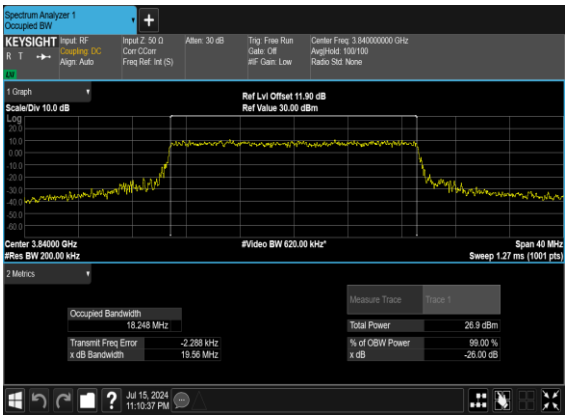
N77(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



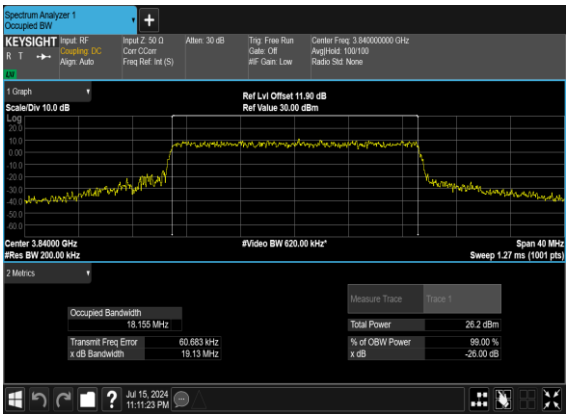
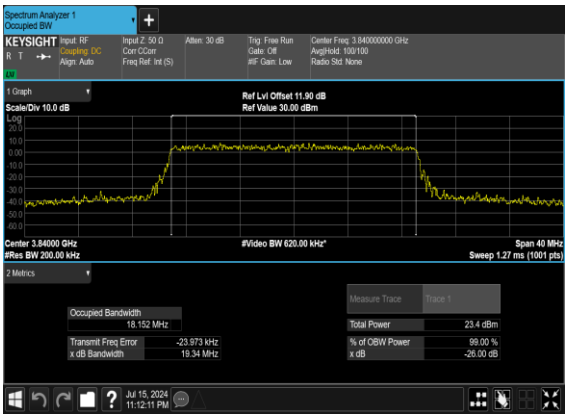
N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH