



Software Version: 23.06.1602

FR1 N78(ANT2)**Transmitter Conducted Output Power and EIRP, ($G_T - L_C$)=-4.0dB**

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	25@12	25.82	21.82	0.1521
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	25.8	21.8	0.1514
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@49	25.3	21.3	0.1349
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	25@12	24.41	20.41	0.1099
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	24.91	20.91	0.1233
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@49	24.41	20.41	0.1099
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	25@12	25.29	21.29	0.1346
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.34	21.34	0.1361
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@49	25.51	21.51	0.1416
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	24.26	20.26	0.1062
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.4	20.4	0.1096
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@49	24.59	20.59	0.1146
78	30	20	636000	3540	DFT-s-OFDM QPSK	25@12	25.29	21.29	0.1346
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	25.35	21.35	0.1365
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@49	25.77	21.77	0.1503
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	25@12	24.26	20.26	0.1062
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	24.43	20.43	0.1104
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@49	24.84	20.84	0.1213
78	30	30	631000	3465	DFT-s-OFDM QPSK	36@18	25.31	21.31	0.1352
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	25.66	21.66	0.1466
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@76	24.75	20.75	0.1189
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	36@18	24.26	20.26	0.1062
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	24.68	20.68	0.1169
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@76	23.83	19.83	0.0962
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	36@18	25.24	21.24	0.1330
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.96	20.96	0.1247
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@76	25.07	21.07	0.1279
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	36@18	24.19	20.19	0.1045
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.02	20.02	0.1005
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@76	24.13	20.13	0.1030
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	36@18	25.09	21.09	0.1285
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	25.09	21.09	0.1285
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@76	25.44	21.44	0.1393



NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	36@18	24.04	20.04	0.1009
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	24.13	20.13	0.1030
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@76	24.51	20.51	0.1125
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	50@25	25.09	21.09	0.1285
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	25.81	21.81	0.1517
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@104	24.98	20.98	0.1253
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	50@25	24.04	20.04	0.1009
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	24.82	20.82	0.1208
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@104	24.03	20.03	0.1007
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	50@25	25.21	21.21	0.1321
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.07	21.07	0.1279
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@104	25.1	21.1	0.1288
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	24.17	20.17	0.1040
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.14	20.14	0.1033
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	24.14	20.14	0.1033
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	50@25	25.02	21.02	0.1265
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	25.51	21.51	0.1416
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@104	25.6	21.6	0.1445
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	50@25	23.98	19.98	0.0995
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	24.55	20.55	0.1135
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@104	24.63	20.63	0.1156
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	64@32	24.94	20.94	0.1242
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	26	22	0.1585
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@131	25.43	21.43	0.1390
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	64@32	23.92	19.92	0.0982
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	25.06	21.06	0.1276
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@131	24.51	20.51	0.1125
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	64@32	25.19	21.19	0.1315
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.33	21.33	0.1358
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@131	25.16	21.16	0.1306
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	64@32	24.16	20.16	0.1038
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.38	20.38	0.1091
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@131	24.24	20.24	0.1057
78	30	50	635000	3525	DFT-s-OFDM QPSK	64@32	25.01	21.01	0.1262
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	25.78	21.78	0.1507
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@131	25.73	21.73	0.1489
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	64@32	23.98	19.98	0.0995
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	24.83	20.83	0.1211
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@131	24.79	20.79	0.1199
78	30	60	632000	3480	DFT-s-OFDM QPSK	81@40	24.97	20.97	0.1250



NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	26.13	22.13	0.1633
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@160	25.56	21.56	0.1432
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	81@40	23.91	19.91	0.0979
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	25.19	21.19	0.1315
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@160	24.65	20.65	0.1161
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	81@40	25.2	21.2	0.1318
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.57	21.57	0.1435
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@160	25.25	21.25	0.1334
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	81@40	24.13	20.13	0.1030
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.66	20.66	0.1164
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@160	24.33	20.33	0.1079
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	81@40	25.11	21.11	0.1291
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	25.64	21.64	0.1459
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@160	25.79	21.79	0.1510
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	81@40	24.05	20.05	0.1012
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	24.72	20.72	0.1180
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@160	24.85	20.85	0.1216
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	90@45	25.01	21.01	0.1262
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	25.86	21.86	0.1535
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@187	24.96	20.96	0.1247
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	90@45	23.93	19.93	0.0984
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	24.87	20.87	0.1222
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@187	24	20	0.1000
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	90@45	25.23	21.23	0.1327
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.52	21.52	0.1419
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@187	25	21	0.1259
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	90@45	24.13	20.13	0.1030
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.54	20.54	0.1132
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@187	24.05	20.05	0.1012
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	90@45	25.22	21.22	0.1324
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	25.13	21.13	0.1297
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@187	25.45	21.45	0.1396
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	90@45	24.13	20.13	0.1030
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	24.22	20.22	0.1052
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@187	24.49	20.49	0.1119
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	108@54	25.09	21.09	0.1285
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	25.8	21.8	0.1514
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@215	24.83	20.83	0.1211
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	108@54	24.05	20.05	0.1012
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	24.84	20.84	0.1213



NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@215	23.91	19.91	0.0979
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	108@54	25.11	21.11	0.1291
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.62	21.62	0.1452
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@215	25.04	21.04	0.1271
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	24.07	20.07	0.1016
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.7	20.7	0.1175
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@215	24.1	20.1	0.1023
78	30	80	634000	3510	DFT-s-OFDM QPSK	108@54	25.17	21.17	0.1309
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	25.23	21.23	0.1327
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@215	25.37	21.37	0.1371
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	108@54	24.13	20.13	0.1030
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	24.3	20.3	0.1072
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@215	24.4	20.4	0.1096
78	30	90	633000	3495	DFT-s-OFDM QPSK	120@60	24.99	20.99	0.1256
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	25.76	21.76	0.1500
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@243	24.96	20.96	0.1247
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	120@60	23.95	19.95	0.0989
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	24.82	20.82	0.1208
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@243	24.01	20.01	0.1002
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	120@60	24.99	20.99	0.1256
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.72	21.72	0.1486
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@243	25.1	21.1	0.1288
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	120@60	23.96	19.96	0.0991
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.8	20.8	0.1202
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@243	24.14	20.14	0.1033
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	120@60	25.01	21.01	0.1262
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	25.63	21.63	0.1455
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@243	25.25	21.25	0.1334
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	120@60	24	20	0.1000
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	24.71	20.71	0.1178
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@243	24.28	20.28	0.1067
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	26.21	22.21	0.1663
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.22	22.22	0.1667
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	26.21	22.21	0.1663
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	25.75	21.75	0.1496
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.7	21.7	0.1479
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	25.82	21.82	0.1521
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	24.75	20.75	0.1189
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.79	20.79	0.1199
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	24.92	20.92	0.1236



NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	23.25	19.25	0.0841
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.25	19.25	0.0841
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	23.34	19.34	0.0859
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	21.77	17.77	0.0598
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.59	17.59	0.0574
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	21.74	17.74	0.0594
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	24.04	20.04	0.1009
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	24.12	20.12	0.1028
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	24.17	20.17	0.1040



Software Version: 23.06.1602

FR1 N77 MIMO-ANT(2+5)**Transmitter Conducted Output Power and EIRP, ($G_T - L_C$)=-4.0dB**

NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	ANT2 Power (dBm)	ANT5 Power (dBm)	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
77	30	20	630668	3460.02	CP-OFDM QPSK	25@12	21.62	21.86	24.75	20.75	0.1189
77	30	20	630668	3460.02	CP-OFDM QPSK	1@1	21.58	21.76	24.68	20.68	0.1169
77	30	20	630668	3460.02	CP-OFDM QPSK	1@49	21.77	21.87	24.83	20.83	0.1211
77	30	20	630668	3460.02	CP-OFDM 16 QAM	25@12	21.18	21.36	24.28	20.28	0.1067
77	30	20	630668	3460.02	CP-OFDM 16 QAM	1@1	20.92	21.55	24.26	20.26	0.1062
77	30	20	630668	3460.02	CP-OFDM 16 QAM	1@49	21.09	21.65	24.39	20.39	0.1094
77	30	20	633334	3500.01	CP-OFDM QPSK	25@12	21.54	21.89	24.73	20.73	0.1183
77	30	20	633334	3500.01	CP-OFDM QPSK	1@1	21.55	21.91	24.74	20.74	0.1186
77	30	20	633334	3500.01	CP-OFDM QPSK	1@49	21.6	21.89	24.76	20.76	0.1191
77	30	20	633334	3500.01	CP-OFDM 16 QAM	25@12	21.11	21.45	24.29	20.29	0.1069
77	30	20	633334	3500.01	CP-OFDM 16 QAM	1@1	20.94	21.8	24.40	20.4	0.1096
77	30	20	633334	3500.01	CP-OFDM 16 QAM	1@49	20.92	21.74	24.36	20.36	0.1086
77	30	20	636000	3540	CP-OFDM QPSK	25@12	21.64	22.04	24.85	20.85	0.1216
77	30	20	636000	3540	CP-OFDM QPSK	1@1	21.59	21.95	24.78	20.78	0.1197
77	30	20	636000	3540	CP-OFDM QPSK	1@49	21.73	22.07	24.91	20.91	0.1233
77	30	20	636000	3540	CP-OFDM 16 QAM	25@12	21.23	21.54	24.40	20.4	0.1096
77	30	20	636000	3540	CP-OFDM 16 QAM	1@1	20.97	21.82	24.43	20.43	0.1104
77	30	20	636000	3540	CP-OFDM 16 QAM	1@49	21	21.83	24.45	20.45	0.1109
77	30	30	631000	3465	CP-OFDM QPSK	39@19	21.69	21.82	24.77	20.77	0.1194
77	30	30	631000	3465	CP-OFDM QPSK	1@1	21.68	21.85	24.78	20.78	0.1197
77	30	30	631000	3465	CP-OFDM QPSK	1@76	21.62	21.94	24.79	20.79	0.1199
77	30	30	631000	3465	CP-OFDM 16 QAM	39@19	21.18	21.31	24.26	20.26	0.1062
77	30	30	631000	3465	CP-OFDM 16 QAM	1@1	21.22	21.66	24.46	20.46	0.1112
77	30	30	631000	3465	CP-OFDM 16 QAM	1@76	21.33	21.57	24.46	20.46	0.1112
77	30	30	633334	3500.01	CP-OFDM QPSK	39@19	21.54	21.94	24.75	20.75	0.1189
77	30	30	633334	3500.01	CP-OFDM QPSK	1@1	21.72	22.06	24.90	20.9	0.1230
77	30	30	633334	3500.01	CP-OFDM QPSK	1@76	21.6	22	24.81	20.81	0.1205
77	30	30	633334	3500.01	CP-OFDM 16 QAM	39@19	21.09	21.39	24.25	20.25	0.1059
77	30	30	633334	3500.01	CP-OFDM 16 QAM	1@1	21.3	21.86	24.60	20.6	0.1148
77	30	30	633334	3500.01	CP-OFDM 16 QAM	1@76	21.21	21.67	24.46	20.46	0.1112



NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	ANT2 Power (dBm)	ANT5 Power (dBm)	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
77	30	30	635666	3534.99	CP-OFDM QPSK	39@19	21.59	22.01	24.82	20.82	0.1208
77	30	30	635666	3534.99	CP-OFDM QPSK	1@1	21.7	22.19	24.96	20.96	0.1247
77	30	30	635666	3534.99	CP-OFDM QPSK	1@76	21.68	22.21	24.96	20.96	0.1247
77	30	30	635666	3534.99	CP-OFDM 16 QAM	39@19	21.12	21.47	24.31	20.31	0.1074
77	30	30	635666	3534.99	CP-OFDM 16 QAM	1@1	21.28	21.98	24.65	20.65	0.1161
77	30	30	635666	3534.99	CP-OFDM 16 QAM	1@76	21.34	21.87	24.62	20.62	0.1153
77	30	40	631334	3470.01	CP-OFDM QPSK	53@26	21.71	21.81	24.77	20.77	0.1194
77	30	40	631334	3470.01	CP-OFDM QPSK	1@1	21.74	21.95	24.86	20.86	0.1219
77	30	40	631334	3470.01	CP-OFDM QPSK	1@104	21.69	21.84	24.78	20.78	0.1197
77	30	40	631334	3470.01	CP-OFDM 16 QAM	53@26	21.24	21.32	24.29	20.29	0.1069
77	30	40	631334	3470.01	CP-OFDM 16 QAM	1@1	21.11	21.75	24.45	20.45	0.1109
77	30	40	631334	3470.01	CP-OFDM 16 QAM	1@104	21.25	21.69	24.49	20.49	0.1119
77	30	40	633334	3500.01	CP-OFDM QPSK	53@26	21.52	21.9	24.72	20.72	0.1180
77	30	40	633334	3500.01	CP-OFDM QPSK	1@1	21.75	22.09	24.93	20.93	0.1239
77	30	40	633334	3500.01	CP-OFDM QPSK	1@104	21.64	21.9	24.78	20.78	0.1197
77	30	40	633334	3500.01	CP-OFDM 16 QAM	53@26	21.12	21.43	24.29	20.29	0.1069
77	30	40	633334	3500.01	CP-OFDM 16 QAM	1@1	21.08	21.95	24.55	20.55	0.1135
77	30	40	633334	3500.01	CP-OFDM 16 QAM	1@104	21.22	21.75	24.50	20.5	0.1122
77	30	40	635332	3529.98	CP-OFDM QPSK	53@26	21.57	21.9	24.75	20.75	0.1189
77	30	40	635332	3529.98	CP-OFDM QPSK	1@1	21.66	22.22	24.96	20.96	0.1247
77	30	40	635332	3529.98	CP-OFDM QPSK	1@104	21.65	22.09	24.89	20.89	0.1227
77	30	40	635332	3529.98	CP-OFDM 16 QAM	53@26	21.07	21.43	24.26	20.26	0.1062
77	30	40	635332	3529.98	CP-OFDM 16 QAM	1@1	21.08	22.03	24.59	20.59	0.1146
77	30	40	635332	3529.98	CP-OFDM 16 QAM	1@104	21.23	21.86	24.57	20.57	0.1140
77	30	50	631668	3475.02	CP-OFDM QPSK	67@33	21.41	21.64	24.54	20.54	0.1132
77	30	50	631668	3475.02	CP-OFDM QPSK	1@1	21.57	21.82	24.71	20.71	0.1178
77	30	50	631668	3475.02	CP-OFDM QPSK	1@131	21.2	21.49	24.36	20.36	0.1086
77	30	50	631668	3475.02	CP-OFDM 16 QAM	67@33	20.99	21.2	24.11	20.11	0.1026
77	30	50	631668	3475.02	CP-OFDM 16 QAM	1@1	21.05	21.63	24.36	20.36	0.1086
77	30	50	631668	3475.02	CP-OFDM 16 QAM	1@131	20.58	21.23	23.93	19.93	0.0984
77	30	50	633334	3500.01	CP-OFDM QPSK	67@33	21.32	21.7	24.52	20.52	0.1127
77	30	50	633334	3500.01	CP-OFDM QPSK	1@1	21.61	21.91	24.77	20.77	0.1194
77	30	50	633334	3500.01	CP-OFDM QPSK	1@131	21.22	21.62	24.43	20.43	0.1104
77	30	50	633334	3500.01	CP-OFDM 16 QAM	67@33	20.89	21.24	24.08	20.08	0.1019
77	30	50	633334	3500.01	CP-OFDM 16 QAM	1@1	21.07	21.78	24.45	20.45	0.1109
77	30	50	633334	3500.01	CP-OFDM 16 QAM	1@131	20.54	21.43	24.02	20.02	0.1005



NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	ANT2 Power (dBm)	ANT5 Power (dBm)	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
77	30	50	635000	3525	CP-OFDM QPSK	67@33	21.32	21.81	24.58	20.58	0.1143
77	30	50	635000	3525	CP-OFDM QPSK	1@1	21.48	22.03	24.77	20.77	0.1194
77	30	50	635000	3525	CP-OFDM QPSK	1@131	21.45	21.66	24.57	20.57	0.1140
77	30	50	635000	3525	CP-OFDM 16 QAM	67@33	20.89	21.4	24.16	20.16	0.1038
77	30	50	635000	3525	CP-OFDM 16 QAM	1@1	21.02	21.81	24.44	20.44	0.1107
77	30	50	635000	3525	CP-OFDM 16 QAM	1@131	20.74	21.47	24.13	20.13	0.1030
77	30	60	632000	3480	CP-OFDM QPSK	81@40	21.47	21.7	24.60	20.6	0.1148
77	30	60	632000	3480	CP-OFDM QPSK	1@1	21.64	21.88	24.77	20.77	0.1194
77	30	60	632000	3480	CP-OFDM QPSK	1@160	21.36	21.56	24.47	20.47	0.1114
77	30	60	632000	3480	CP-OFDM 16 QAM	81@40	20.94	21.2	24.08	20.08	0.1019
77	30	60	632000	3480	CP-OFDM 16 QAM	1@1	21.09	21.71	24.42	20.42	0.1102
77	30	60	632000	3480	CP-OFDM 16 QAM	1@160	20.61	21.36	24.01	20.01	0.1002
77	30	60	633334	3500.01	CP-OFDM QPSK	81@40	21.43	21.72	24.59	20.59	0.1146
77	30	60	633334	3500.01	CP-OFDM QPSK	1@1	21.58	21.98	24.79	20.79	0.1199
77	30	60	633334	3500.01	CP-OFDM QPSK	1@160	21.43	21.68	24.57	20.57	0.1140
77	30	60	633334	3500.01	CP-OFDM 16 QAM	81@40	20.94	21.3	24.13	20.13	0.1030
77	30	60	633334	3500.01	CP-OFDM 16 QAM	1@1	21.12	21.79	24.48	20.48	0.1117
77	30	60	633334	3500.01	CP-OFDM 16 QAM	1@160	20.76	21.49	24.15	20.15	0.1035
77	30	60	634666	3519.99	CP-OFDM QPSK	81@40	21.39	21.86	24.64	20.64	0.1159
77	30	60	634666	3519.99	CP-OFDM QPSK	1@1	21.59	22.02	24.82	20.82	0.1208
77	30	60	634666	3519.99	CP-OFDM QPSK	1@160	21.52	21.7	24.62	20.62	0.1153
77	30	60	634666	3519.99	CP-OFDM 16 QAM	81@40	20.89	21.46	24.19	20.19	0.1045
77	30	60	634666	3519.99	CP-OFDM 16 QAM	1@1	20.96	21.88	24.45	20.45	0.1109
77	30	60	634666	3519.99	CP-OFDM 16 QAM	1@160	20.98	21.54	24.28	20.28	0.1067
77	30	70	632334	3485.01	CP-OFDM QPSK	95@47	21.48	21.69	24.60	20.6	0.1148
77	30	70	632334	3485.01	CP-OFDM QPSK	1@1	21.52	21.84	24.69	20.69	0.1172
77	30	70	632334	3485.01	CP-OFDM QPSK	1@187	21.31	21.52	24.43	20.43	0.1104
77	30	70	632334	3485.01	CP-OFDM 16 QAM	95@47	20.99	21.26	24.14	20.14	0.1033
77	30	70	632334	3485.01	CP-OFDM 16 QAM	1@1	21.1	21.72	24.43	20.43	0.1104
77	30	70	632334	3485.01	CP-OFDM 16 QAM	1@187	20.6	21.34	24.00	20	0.1000
77	30	70	633334	3500.01	CP-OFDM QPSK	95@47	21.43	21.77	24.61	20.61	0.1151
77	30	70	633334	3500.01	CP-OFDM QPSK	1@1	21.68	22.05	24.88	20.88	0.1225
77	30	70	633334	3500.01	CP-OFDM QPSK	1@187	21.35	21.6	24.49	20.49	0.1119
77	30	70	633334	3500.01	CP-OFDM 16 QAM	95@47	20.97	21.29	24.14	20.14	0.1033
77	30	70	633334	3500.01	CP-OFDM 16 QAM	1@1	21.12	21.85	24.51	20.51	0.1125
77	30	70	633334	3500.01	CP-OFDM 16 QAM	1@187	20.7	21.38	24.06	20.06	0.1014



NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	ANT2 Power (dBm)	ANT5 Power (dBm)	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
77	30	70	634332	3514.98	CP-OFDM QPSK	95@47	21.43	21.85	24.66	20.66	0.1164
77	30	70	634332	3514.98	CP-OFDM QPSK	1@1	21.7	22.12	24.93	20.93	0.1239
77	30	70	634332	3514.98	CP-OFDM QPSK	1@187	21.42	21.74	24.59	20.59	0.1146
77	30	70	634332	3514.98	CP-OFDM 16 QAM	95@47	20.94	21.34	24.15	20.15	0.1035
77	30	70	634332	3514.98	CP-OFDM 16 QAM	1@1	21.26	21.93	24.62	20.62	0.1153
77	30	70	634332	3514.98	CP-OFDM 16 QAM	1@187	20.76	21.56	24.19	20.19	0.1045
77	30	80	632668	3490.02	CP-OFDM QPSK	109@54	21.48	21.78	24.64	20.64	0.1159
77	30	80	632668	3490.02	CP-OFDM QPSK	1@1	21.55	21.88	24.73	20.73	0.1183
77	30	80	632668	3490.02	CP-OFDM QPSK	1@215	21.41	21.52	24.48	20.48	0.1117
77	30	80	632668	3490.02	CP-OFDM 16 QAM	109@54	20.98	21.31	24.16	20.16	0.1038
77	30	80	632668	3490.02	CP-OFDM 16 QAM	1@1	21.09	21.69	24.41	20.41	0.1099
77	30	80	632668	3490.02	CP-OFDM 16 QAM	1@215	20.86	21.44	24.17	20.17	0.1040
77	30	80	633334	3500.01	CP-OFDM QPSK	109@54	21.45	21.78	24.63	20.63	0.1156
77	30	80	633334	3500.01	CP-OFDM QPSK	1@1	21.55	21.86	24.72	20.72	0.1180
77	30	80	633334	3500.01	CP-OFDM QPSK	1@215	21.35	21.61	24.49	20.49	0.1119
77	30	80	633334	3500.01	CP-OFDM 16 QAM	109@54	20.95	21.29	24.13	20.13	0.1030
77	30	80	633334	3500.01	CP-OFDM 16 QAM	1@1	21.14	21.71	24.44	20.44	0.1107
77	30	80	633334	3500.01	CP-OFDM 16 QAM	1@215	20.86	21.41	24.15	20.15	0.1035
77	30	80	634000	3510	CP-OFDM QPSK	109@54	21.45	21.8	24.64	20.64	0.1159
77	30	80	634000	3510	CP-OFDM QPSK	1@1	21.65	22.08	24.88	20.88	0.1225
77	30	80	634000	3510	CP-OFDM QPSK	1@215	21.52	21.7	24.62	20.62	0.1153
77	30	80	634000	3510	CP-OFDM 16 QAM	109@54	20.95	21.39	24.19	20.19	0.1045
77	30	80	634000	3510	CP-OFDM 16 QAM	1@1	21.27	21.89	24.60	20.6	0.1148
77	30	80	634000	3510	CP-OFDM 16 QAM	1@215	20.9	21.6	24.27	20.27	0.1064
77	30	90	633000	3495	CP-OFDM QPSK	123@61	21.46	21.75	24.62	20.62	0.1153
77	30	90	633000	3495	CP-OFDM QPSK	1@1	21.61	21.91	24.77	20.77	0.1194
77	30	90	633000	3495	CP-OFDM QPSK	1@243	21.37	21.58	24.49	20.49	0.1119
77	30	90	633000	3495	CP-OFDM 16 QAM	123@61	21	21.26	24.14	20.14	0.1033
77	30	90	633000	3495	CP-OFDM 16 QAM	1@1	21.09	21.74	24.44	20.44	0.1107
77	30	90	633000	3495	CP-OFDM 16 QAM	1@243	20.84	21.5	24.19	20.19	0.1045
77	30	90	633334	3500.01	CP-OFDM QPSK	123@61	21.43	21.75	24.60	20.6	0.1148
77	30	90	633334	3500.01	CP-OFDM QPSK	1@1	21.6	21.93	24.78	20.78	0.1197
77	30	90	633334	3500.01	CP-OFDM QPSK	1@243	21.47	21.62	24.56	20.56	0.1138
77	30	90	633334	3500.01	CP-OFDM 16 QAM	123@61	20.99	21.29	24.15	20.15	0.1035
77	30	90	633334	3500.01	CP-OFDM 16 QAM	1@1	20.95	21.74	24.37	20.37	0.1089
77	30	90	633334	3500.01	CP-OFDM 16 QAM	1@243	20.93	21.47	24.22	20.22	0.1052



NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	ANT2 Power (dBm)	ANT5 Power (dBm)	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
77	30	90	633666	3504.99	CP-OFDM QPSK	123@61	21.45	21.86	24.67	20.67	0.1167
77	30	90	633666	3504.99	CP-OFDM QPSK	1@1	21.68	22.03	24.87	20.87	0.1222
77	30	90	633666	3504.99	CP-OFDM QPSK	1@243	21.46	21.79	24.64	20.64	0.1159
77	30	90	633666	3504.99	CP-OFDM 16 QAM	123@61	21	21.35	24.19	20.19	0.1045
77	30	90	633666	3504.99	CP-OFDM 16 QAM	1@1	21.05	21.83	24.47	20.47	0.1114
77	30	90	633666	3504.99	CP-OFDM 16 QAM	1@243	20.91	21.63	24.30	20.3	0.1072
77	30	100	633334	3500.01	CP-OFDM QPSK	137@68	21.89	21.1	24.52	20.52	0.1127
77	30	100	633334	3500.01	CP-OFDM QPSK	1@1	22.17	21.95	25.07	21.07	0.1279
77	30	100	633334	3500.01	CP-OFDM QPSK	1@271	21.86	20.82	24.38	20.38	0.1091
77	30	100	633334	3500.01	CP-OFDM 16 QAM	137@68	21.36	20.51	23.97	19.97	0.0993
77	30	100	633334	3500.01	CP-OFDM 16 QAM	1@1	21.02	21.51	24.28	20.28	0.1067
77	30	100	633334	3500.01	CP-OFDM 16 QAM	1@271	21.33	20.46	23.93	19.93	0.0984
77	30	100	633334	3500.01	CP-OFDM 64 QAM	137@68	19.89	19.85	22.88	18.88	0.0773
77	30	100	633334	3500.01	CP-OFDM 64 QAM	1@1	19.48	20.15	22.84	18.84	0.0766
77	30	100	633334	3500.01	CP-OFDM 64 QAM	1@271	19.58	19.82	22.71	18.71	0.0743
77	30	100	633334	3500.01	CP-OFDM 256 QAM	137@68	16.87	16.81	19.85	15.85	0.0385
77	30	100	633334	3500.01	CP-OFDM 256 QAM	1@1	16.85	17.24	20.06	16.06	0.0404
77	30	100	633334	3500.01	CP-OFDM 256 QAM	1@271	16.97	16.91	19.95	15.95	0.0394



FR1 N77 MIMO-ANT(2+5)_ANT2

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18.5	PASS	NV
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	14.4	PASS	LV
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	15.7	PASS	HV
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18.3	PASS	-30°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	12.5	PASS	-20°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	13.8	PASS	-10°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	14.2	PASS	0°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18.5	PASS	10°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	12	PASS	20°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	10.8	PASS	30°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18	PASS	40°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18.3	PASS	50°C

|MAX(Δf)| = 18.5 Hz

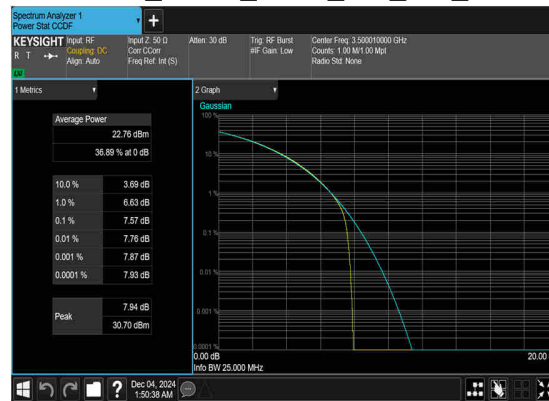
Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	3450.7776815	$\geq 3450 \text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	3549.4781185	$\leq 3550 \text{ MHz}$	



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	7.57	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	18.255	19.35
77	30	20	633334	3500.01	CP-OFDM 16 QAM	51@0	18.226	19.47
77	30	20	633334	3500.01	CP-OFDM 64 QAM	51@0	18.221	19.32
77	30	20	633334	3500.01	CP-OFDM 256 QAM	51@0	18.234	19.47
77	30	30	633334	3500.01	CP-OFDM QPSK	78@0	27.795	30.85
77	30	30	633334	3500.01	CP-OFDM 16 QAM	78@0	27.951	29.32
77	30	30	633334	3500.01	CP-OFDM 64 QAM	78@0	27.803	29.05
77	30	30	633334	3500.01	CP-OFDM 256 QAM	78@0	27.768	29.16
77	30	40	633334	3500.01	CP-OFDM QPSK	106@0	37.861	39.57
77	30	40	633334	3500.01	CP-OFDM 16 QAM	106@0	37.843	39.42
77	30	40	633334	3500.01	CP-OFDM 64 QAM	106@0	37.788	39.34
77	30	40	633334	3500.01	CP-OFDM 256 QAM	106@0	37.905	39.45
77	30	50	633334	3500.01	CP-OFDM QPSK	133@0	47.543	49.05
77	30	50	633334	3500.01	CP-OFDM 16 QAM	133@0	47.575	49.3
77	30	50	633334	3500.01	CP-OFDM 64 QAM	133@0	47.512	49.42
77	30	50	633334	3500.01	CP-OFDM 256 QAM	133@0	47.442	49.7
77	30	60	633334	3500.01	CP-OFDM QPSK	162@0	57.866	60.0
77	30	60	633334	3500.01	CP-OFDM 16 QAM	162@0	57.815	59.76
77	30	60	633334	3500.01	CP-OFDM 64 QAM	162@0	57.872	59.67
77	30	60	633334	3500.01	CP-OFDM 256 QAM	162@0	57.877	59.74
77	30	70	633334	3500.01	CP-OFDM QPSK	189@0	67.454	69.62
77	30	70	633334	3500.01	CP-OFDM 16 QAM	189@0	67.669	69.88
77	30	70	633334	3500.01	CP-OFDM 64 QAM	189@0	67.597	69.82
77	30	70	633334	3500.01	CP-OFDM 256 QAM	189@0	67.461	69.7



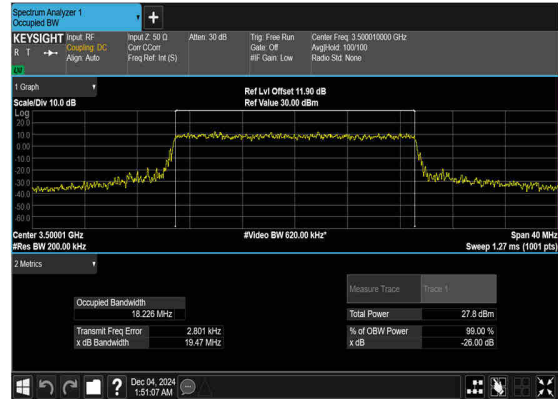
77	30	80	633334	3500.01	CP-OFDM QPSK	217@0	77.562	80.03
77	30	80	633334	3500.01	CP-OFDM 16 QAM	217@0	77.309	79.94
77	30	80	633334	3500.01	CP-OFDM 64 QAM	217@0	77.59	79.85
77	30	80	633334	3500.01	CP-OFDM 256 QAM	217@0	77.401	79.94
77	30	90	633334	3500.01	CP-OFDM QPSK	245@0	87.497	90.25
77	30	90	633334	3500.01	CP-OFDM 16 QAM	245@0	87.486	90.22
77	30	90	633334	3500.01	CP-OFDM 64 QAM	245@0	87.655	90.31
77	30	90	633334	3500.01	CP-OFDM 256 QAM	245@0	87.535	90.33
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	97.439	100.5
77	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	97.629	100.7
77	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	97.314	100.5
77	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	97.516	100.5



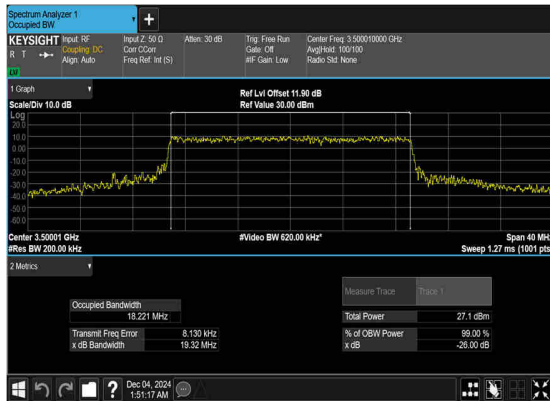
N77(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



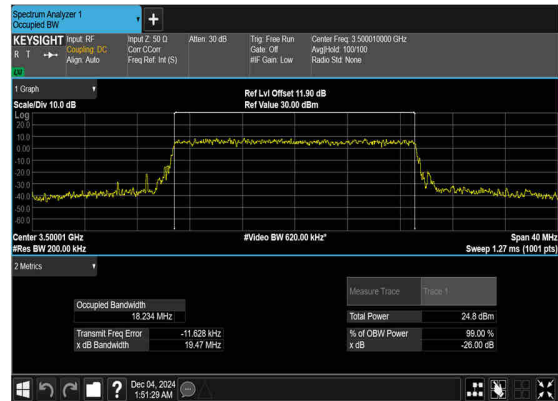
N77(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

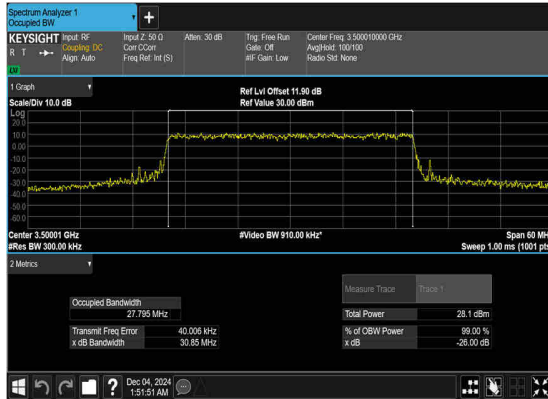


N77(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

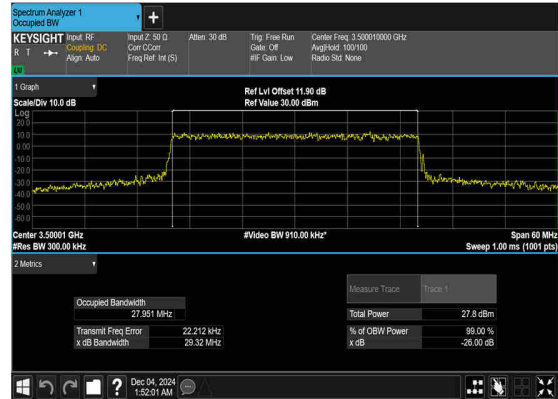




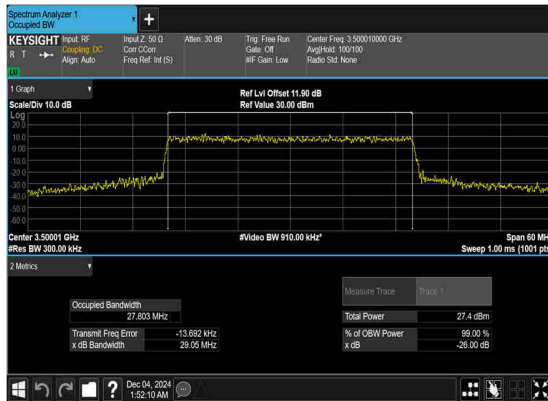
N77(30M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



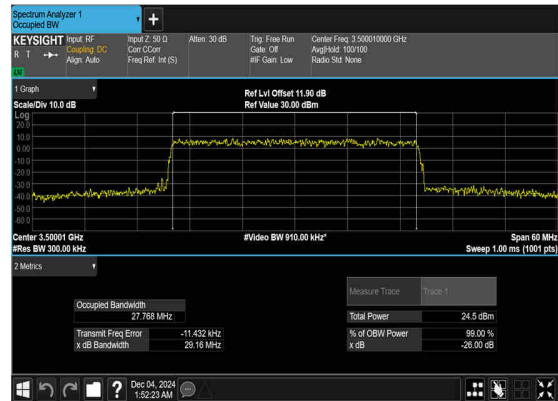
N77(30M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(30M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

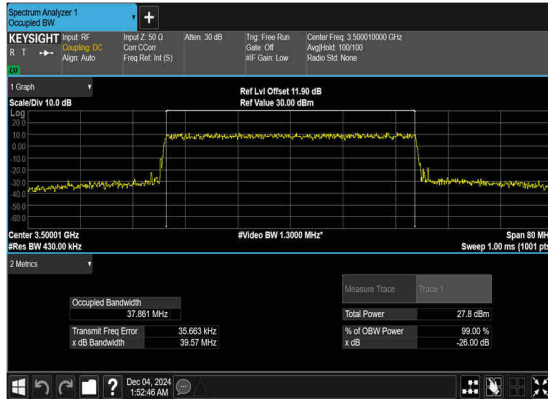


N77(30M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

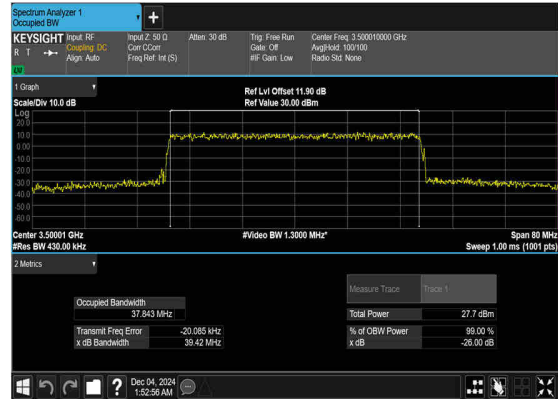




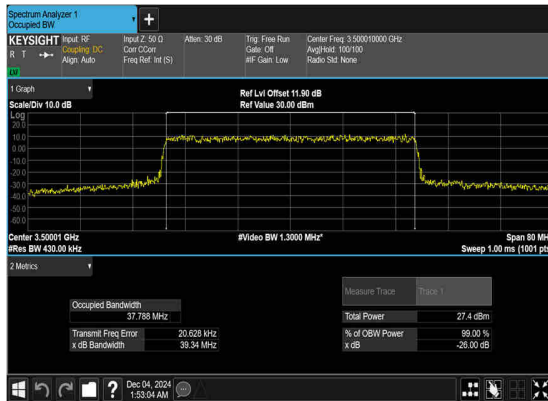
N77(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



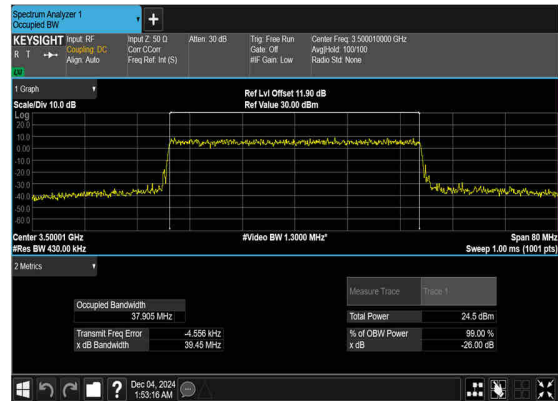
N77(40M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

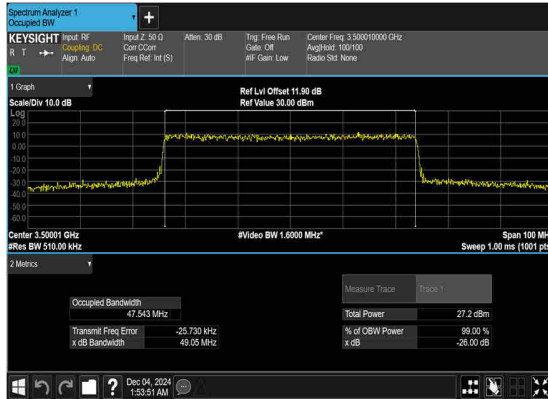


N77(40M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

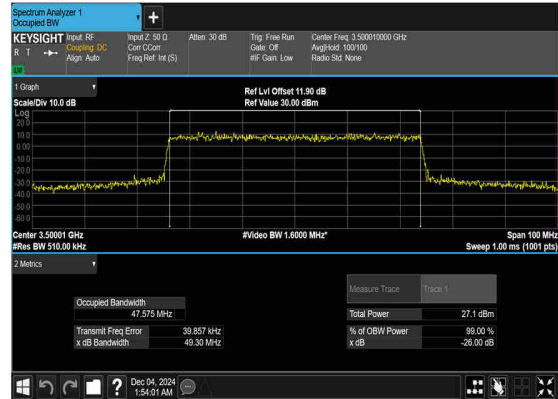




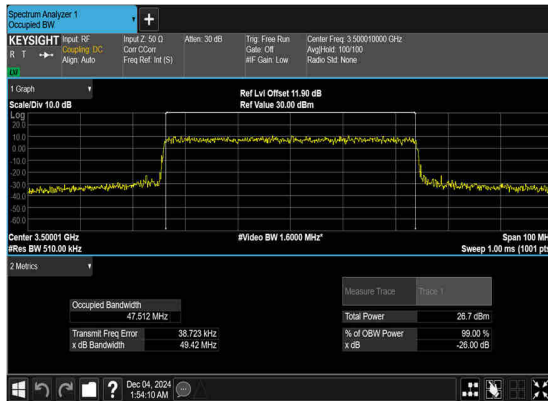
N77(50M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



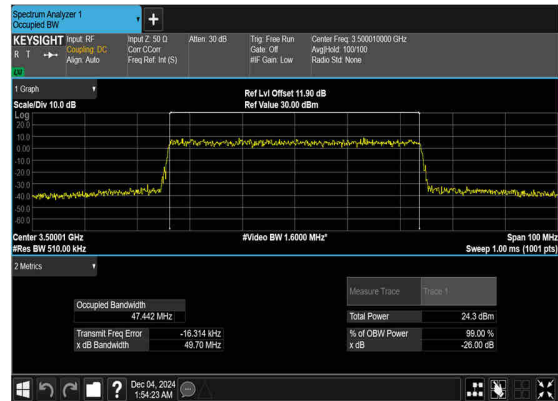
N77(50M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

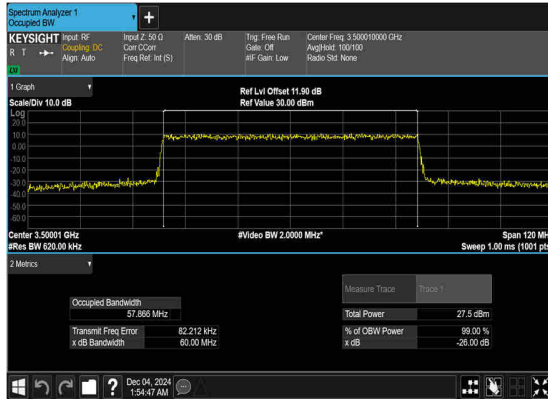


N77(50M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

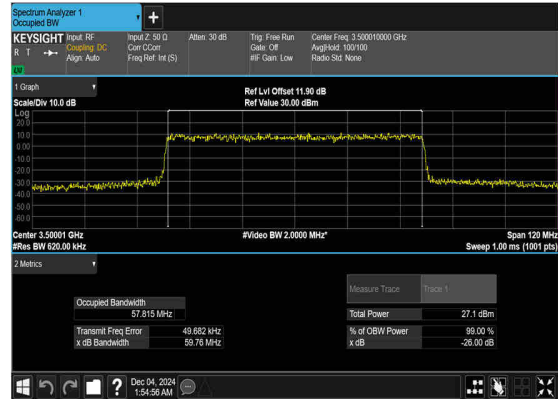




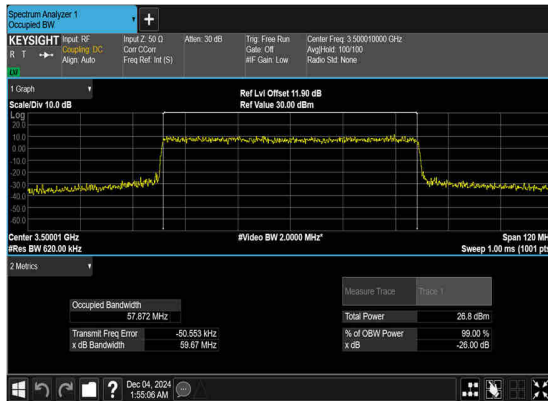
N77(60M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



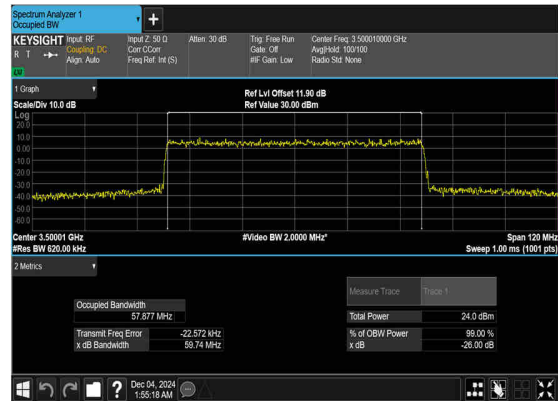
N77(60M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(60M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

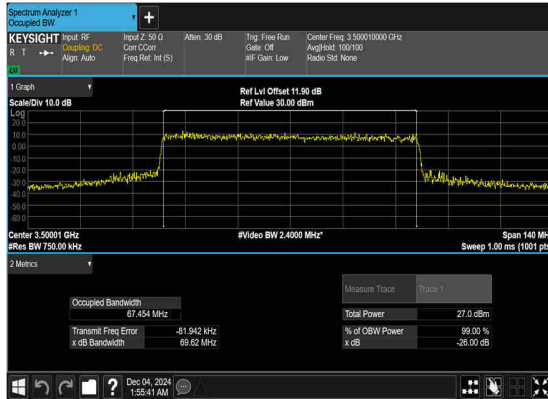


N77(60M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

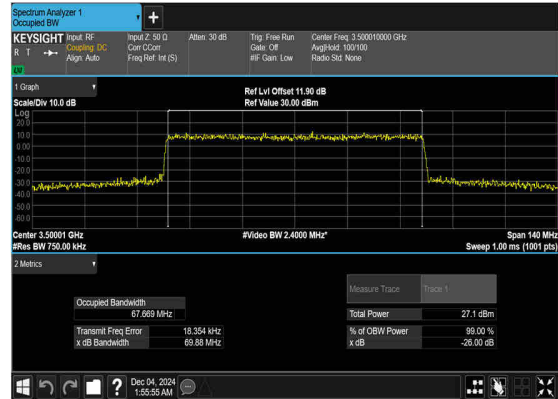




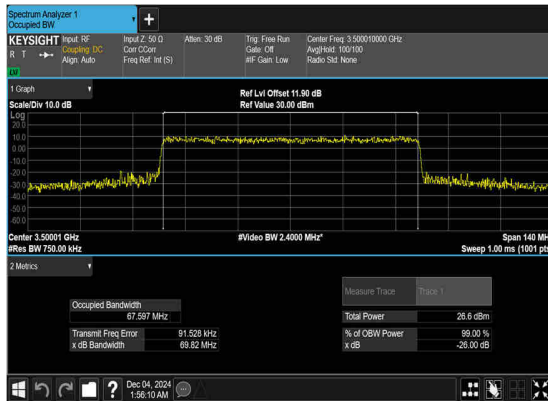
N77(70M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



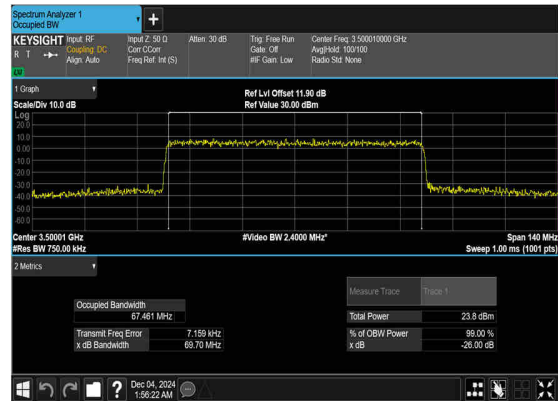
N77(70M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(70M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

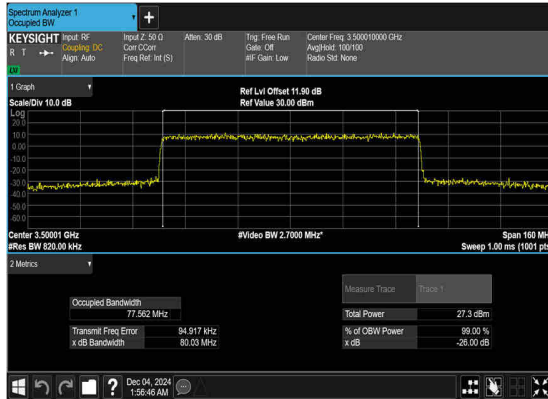


N77(70M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

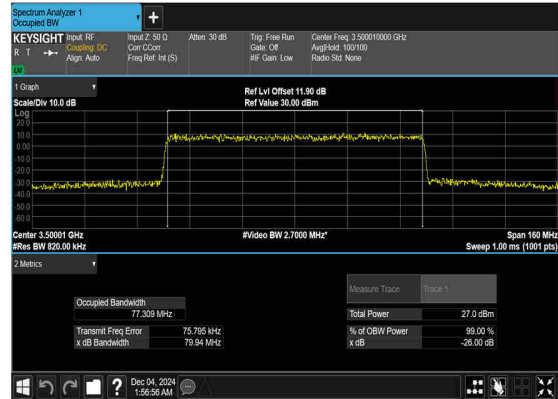




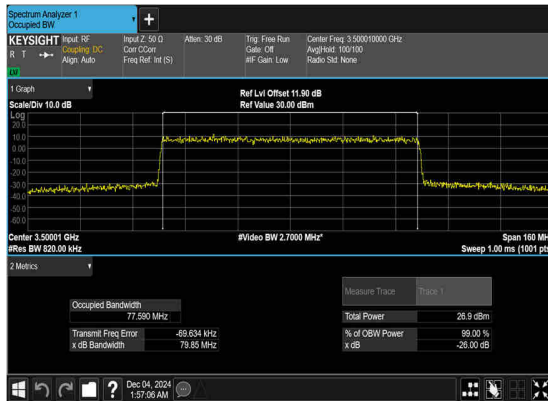
N77(80M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



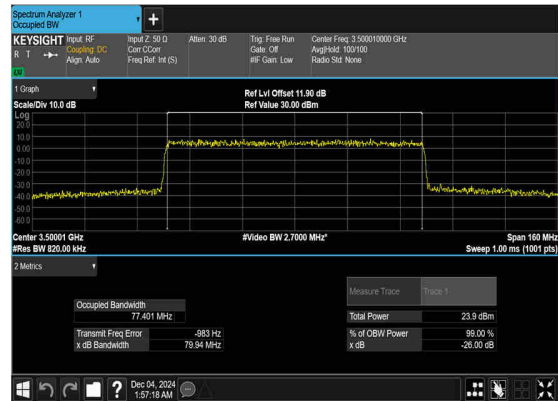
N77(80M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(80M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

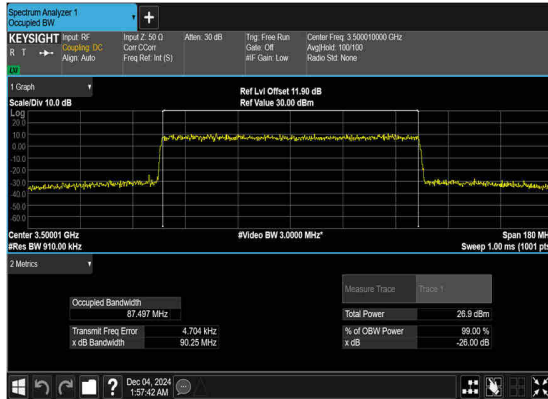


N77(80M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

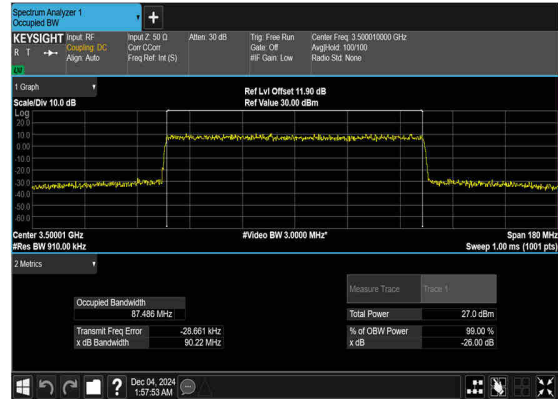




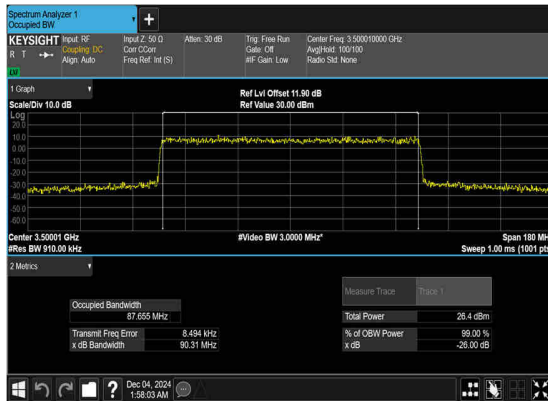
N77(90M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



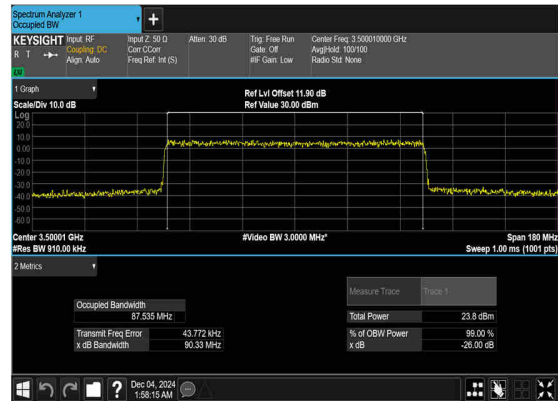
N77(90M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(90M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

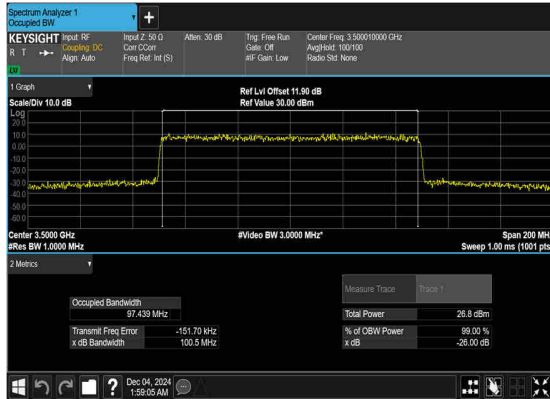


N77(90M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

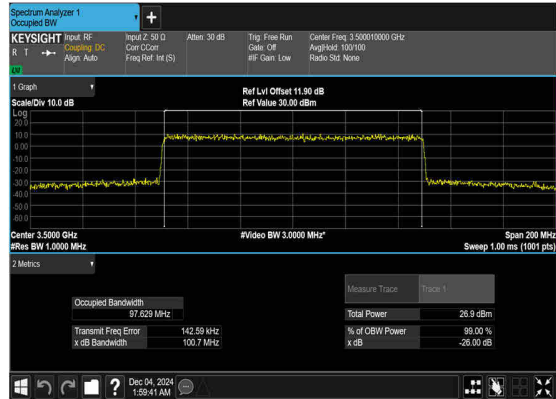




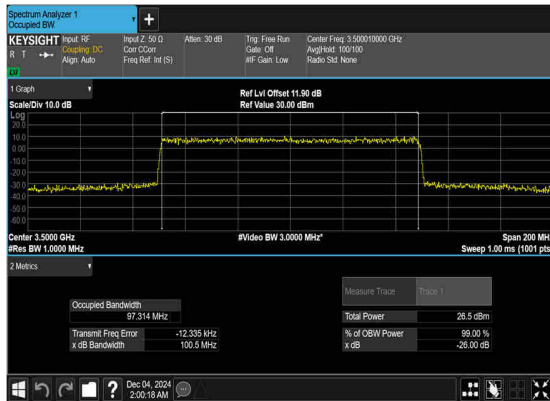
N77(100M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



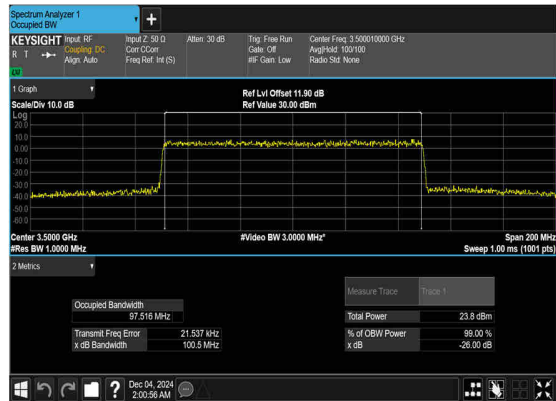
N77(100M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

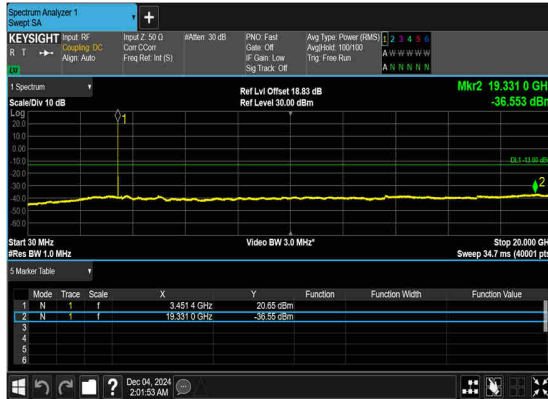


**Conducted Spurious Emissions**

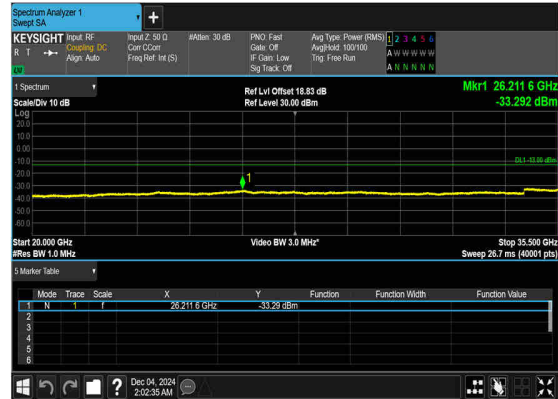
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	630668	3460.02	CP-OFDM QPSK	1@0	see graph	---
77	30	20	630668	3460.02	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	630668	3460.02	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	633334	3500.01	CP-OFDM QPSK	1@0	see graph	---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



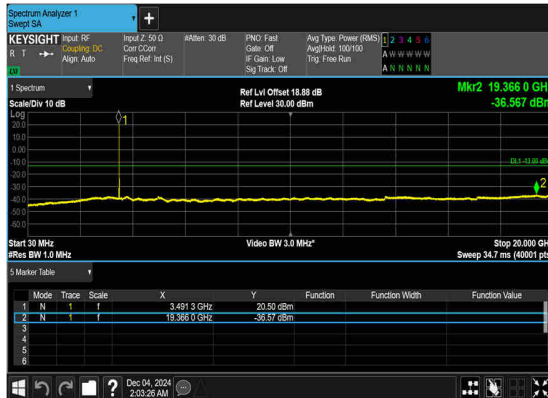
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



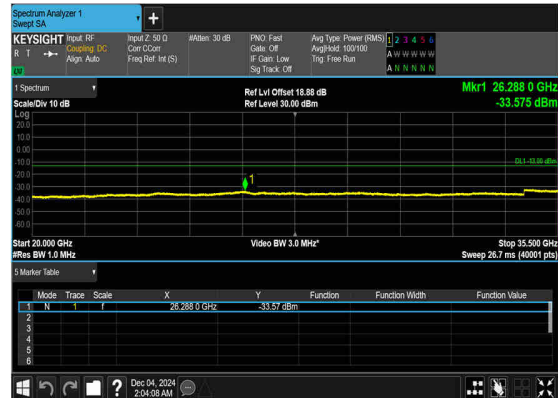
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

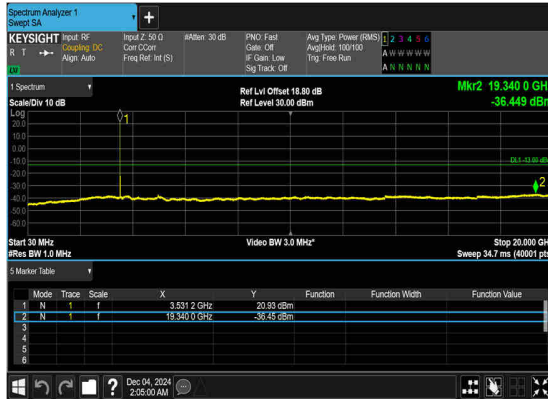


N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

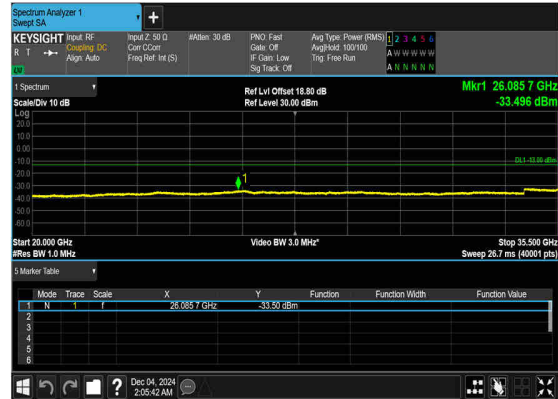




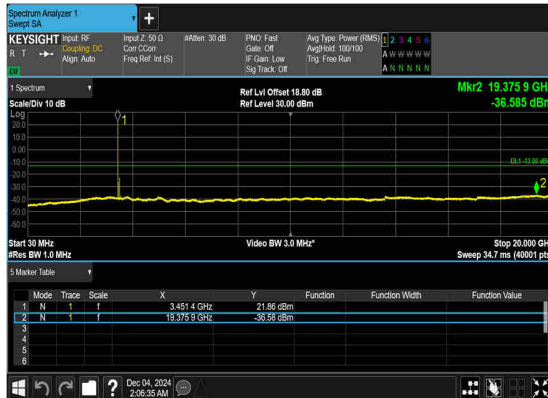
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



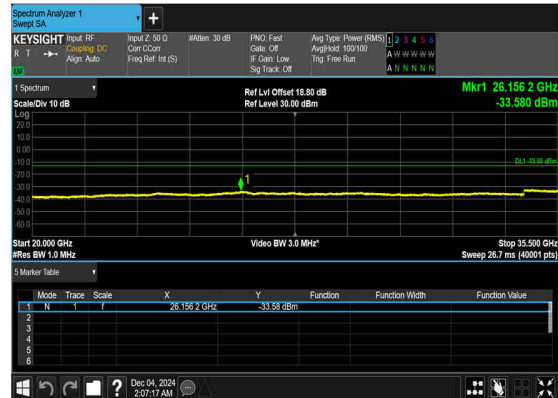
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH

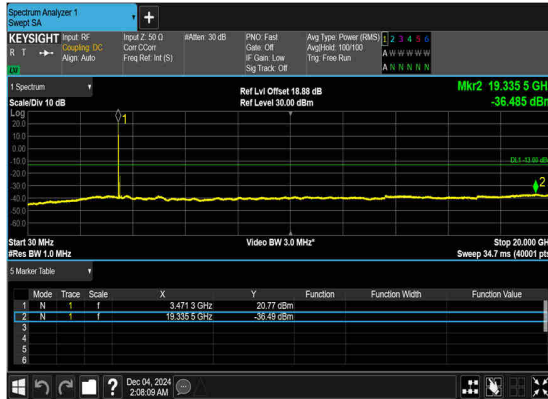


N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH

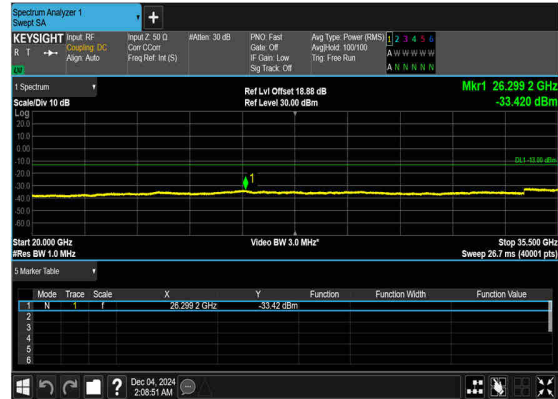




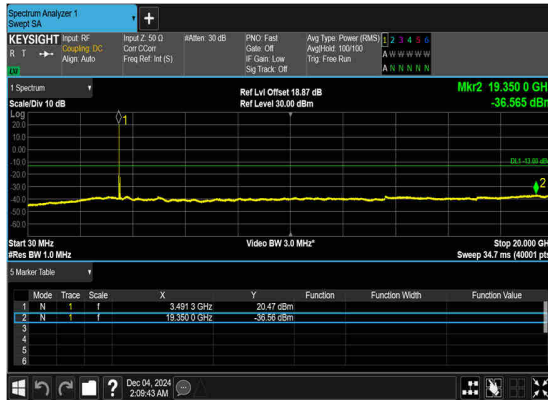
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

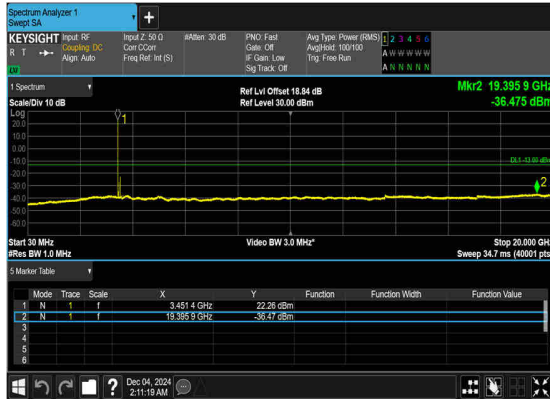


N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

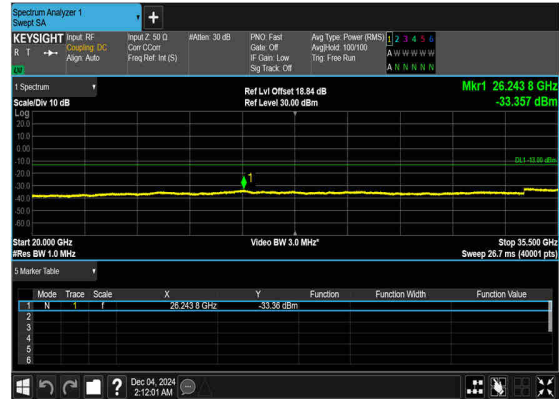




N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

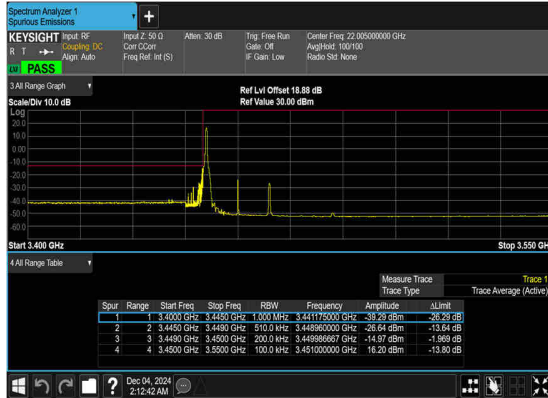


**Conducted Band Edge**

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





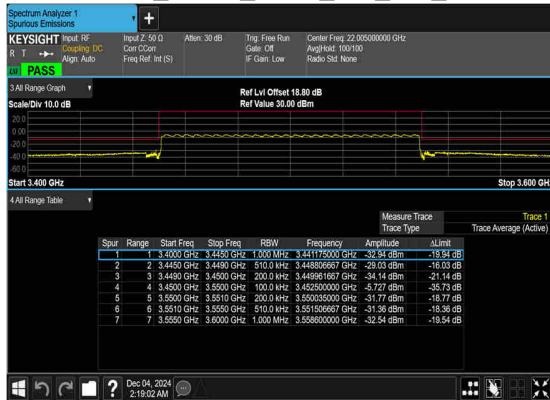
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



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 MIMO-ANT(2+5)_ANT5**Frequency Stability**

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	16.4	PASS	NV
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	19.2	PASS	LV
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	15	PASS	HV
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	10.5	PASS	-30°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	16.3	PASS	-20°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	13.4	PASS	-10°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	16	PASS	0°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	16.4	PASS	10°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	12.7	PASS	20°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18	PASS	30°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	11.3	PASS	40°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18.6	PASS	50°C

|MAX(Δf)| = 19.2 Hz

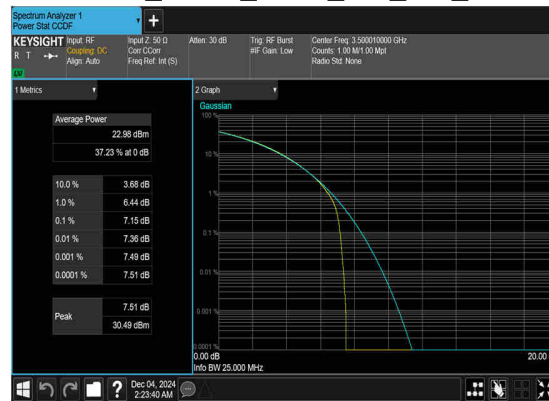
Frequency Stability	Frequency (MHz)	Limit Line	Result
fL - MAX(Δf)	3450.5616408	≥ 3450 MHz	PASS
fH + MAX(Δf)	3549.5567192	≤ 3550 MHz	



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	7.15	13	PASS

N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



**Occupied Bandwidth**

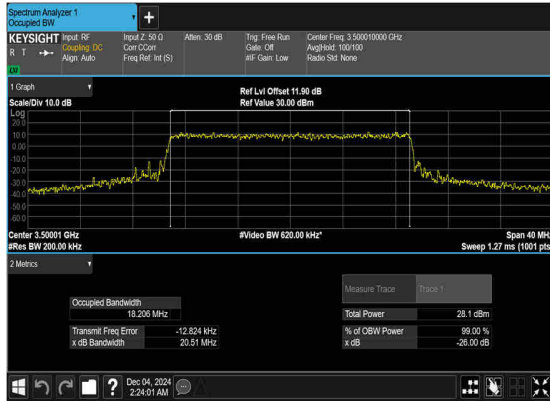
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18.206	20.51
77	30	20	633334	3500.01	CP-OFDM 16 QAM	51@0	18.258	19.3
77	30	20	633334	3500.01	CP-OFDM 64 QAM	51@0	18.197	19.46
77	30	20	633334	3500.01	CP-OFDM 256 QAM	51@0	18.201	19.63
77	30	30	633334	3500.01	CP-OFDM QPSK	78@0	27.828	29.1
77	30	30	633334	3500.01	CP-OFDM 16 QAM	78@0	27.846	29.15
77	30	30	633334	3500.01	CP-OFDM 64 QAM	78@0	27.803	29.25
77	30	30	633334	3500.01	CP-OFDM 256 QAM	78@0	27.876	29.02
77	30	40	633334	3500.01	CP-OFDM QPSK	106@0	37.861	39.52
77	30	40	633334	3500.01	CP-OFDM 16 QAM	106@0	37.947	39.64
77	30	40	633334	3500.01	CP-OFDM 64 QAM	106@0	37.755	40.59
77	30	40	633334	3500.01	CP-OFDM 256 QAM	106@0	37.887	39.15
77	30	50	633334	3500.01	CP-OFDM QPSK	133@0	47.481	49.38
77	30	50	633334	3500.01	CP-OFDM 16 QAM	133@0	47.567	49.49
77	30	50	633334	3500.01	CP-OFDM 64 QAM	133@0	47.697	49.14
77	30	50	633334	3500.01	CP-OFDM 256 QAM	133@0	47.433	49.08
77	30	60	633334	3500.01	CP-OFDM QPSK	162@0	57.887	59.78
77	30	60	633334	3500.01	CP-OFDM 16 QAM	162@0	57.924	59.91
77	30	60	633334	3500.01	CP-OFDM 64 QAM	162@0	57.925	59.87
77	30	60	633334	3500.01	CP-OFDM 256 QAM	162@0	57.817	60.2
77	30	70	633334	3500.01	CP-OFDM QPSK	189@0	67.46	70.03
77	30	70	633334	3500.01	CP-OFDM 16 QAM	189@0	67.642	69.75
77	30	70	633334	3500.01	CP-OFDM 64 QAM	189@0	67.478	69.9
77	30	70	633334	3500.01	CP-OFDM 256 QAM	189@0	67.554	69.72



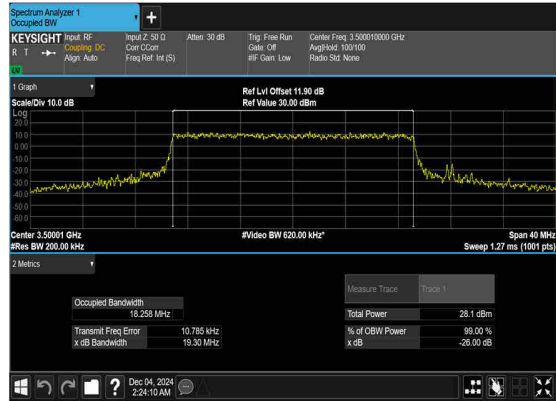
77	30	80	633334	3500.01	CP-OFDM QPSK	217@0	77.395	79.81
77	30	80	633334	3500.01	CP-OFDM 16 QAM	217@0	77.553	80.15
77	30	80	633334	3500.01	CP-OFDM 64 QAM	217@0	77.483	79.93
77	30	80	633334	3500.01	CP-OFDM 256 QAM	217@0	77.494	80.2
77	30	90	633334	3500.01	CP-OFDM QPSK	245@0	87.413	90.26
77	30	90	633334	3500.01	CP-OFDM 16 QAM	245@0	87.598	90.41
77	30	90	633334	3500.01	CP-OFDM 64 QAM	245@0	87.468	90.4
77	30	90	633334	3500.01	CP-OFDM 256 QAM	245@0	87.632	90.29
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	97.569	100.5
77	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	97.436	100.5
77	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	97.608	100.6
77	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	97.459	100.5



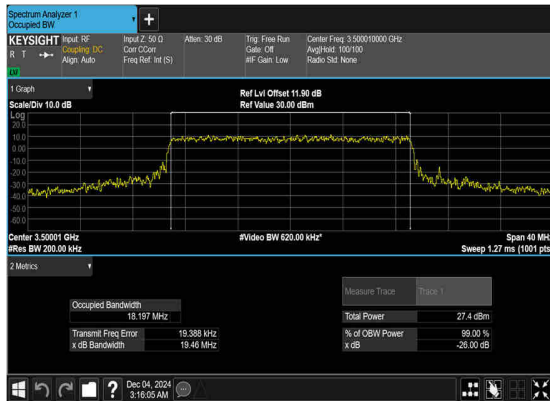
N77(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



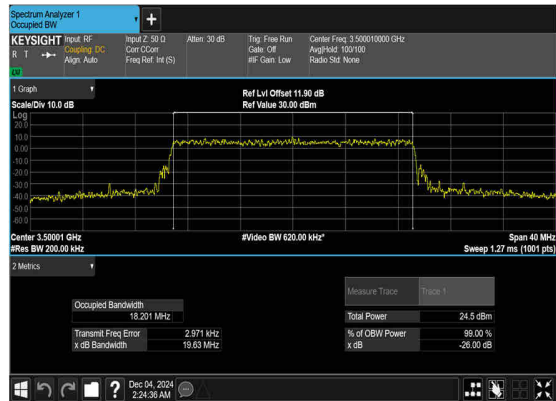
N77(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

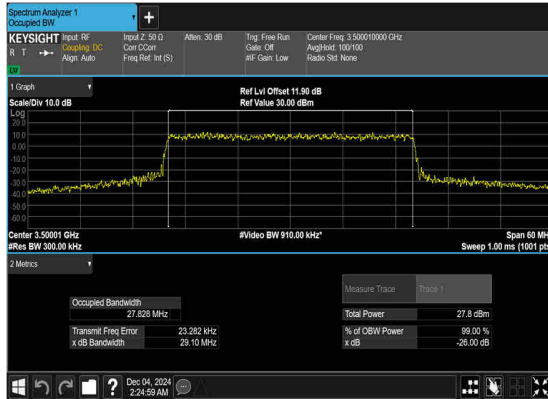


N77(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

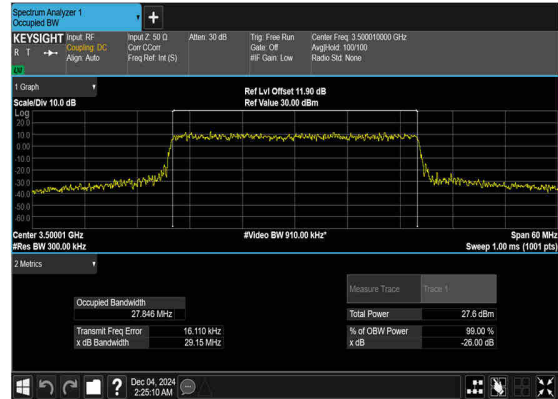




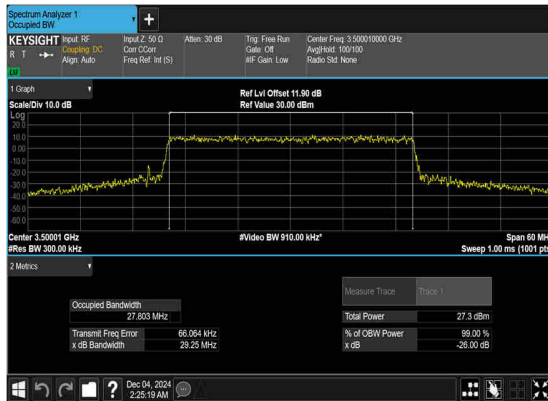
N77(30M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N77(30M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(30M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

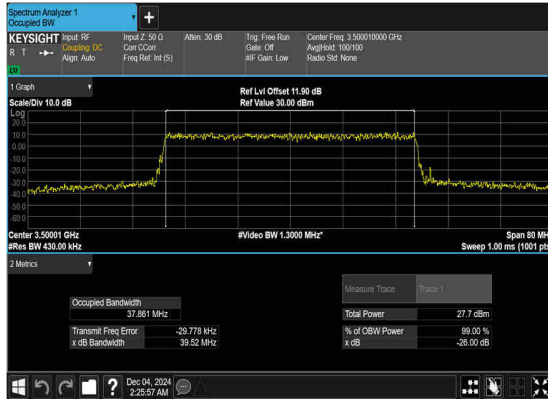


N77(30M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

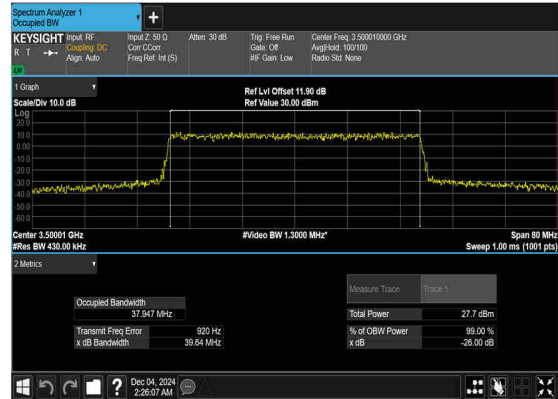




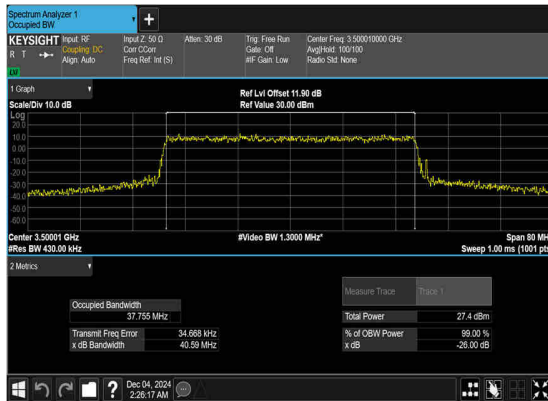
N77(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



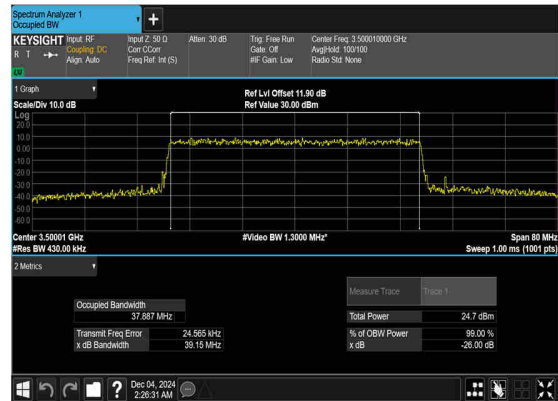
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QAM_Outer_Full_Mid_CH



N77(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

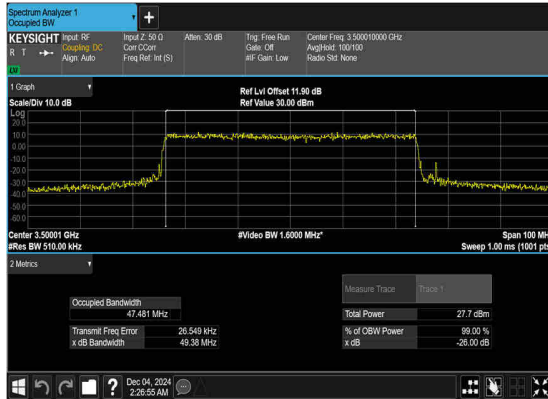


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QAM_Outer_Full_Mid_CH

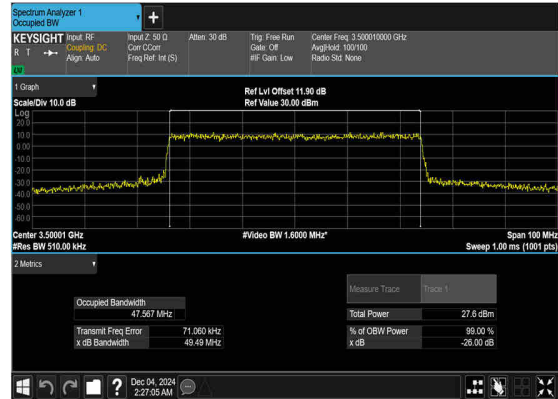




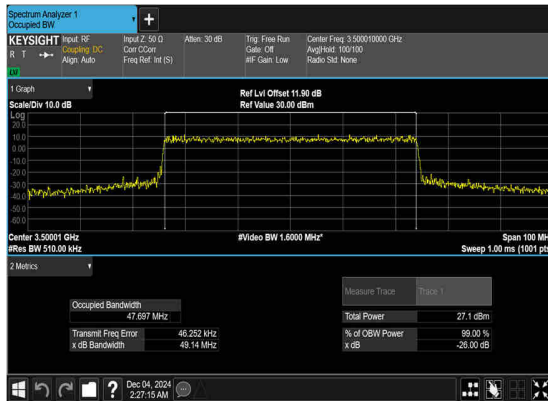
N77(50M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



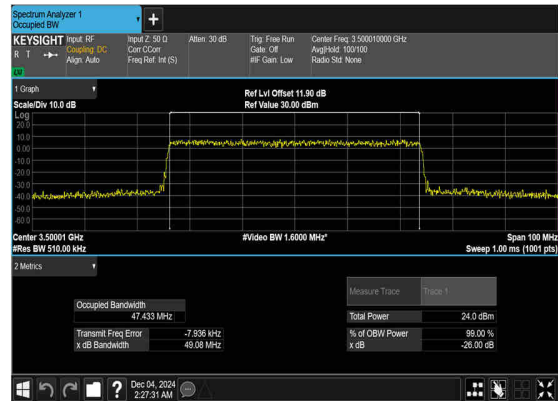
N77(50M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

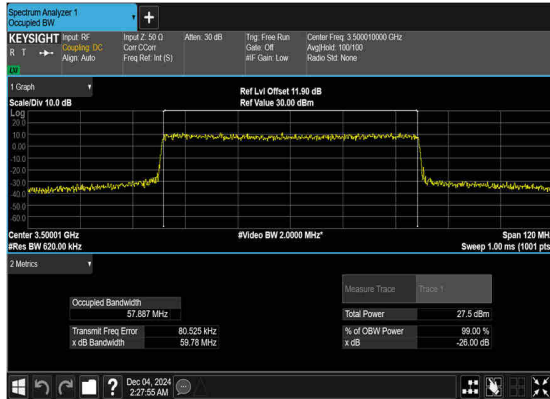


N77(50M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH





N77(60M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



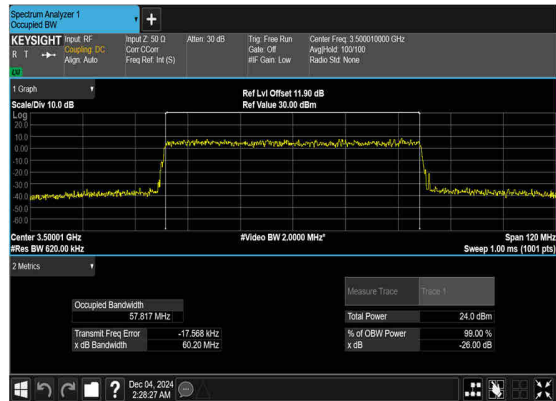
N77(60M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(60M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N77(60M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

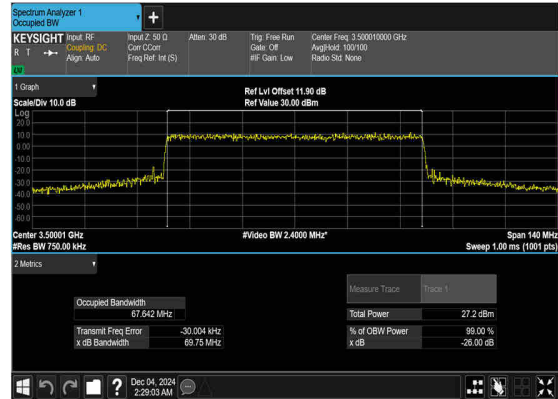




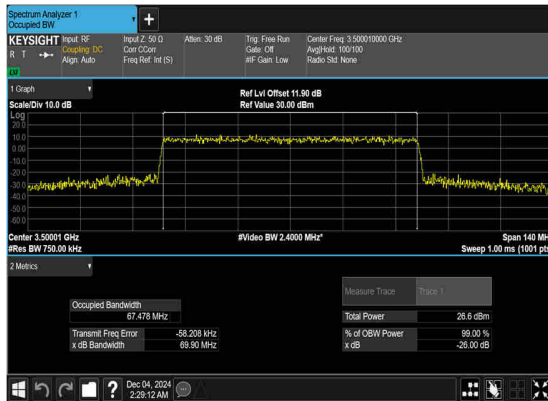
N77(70M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



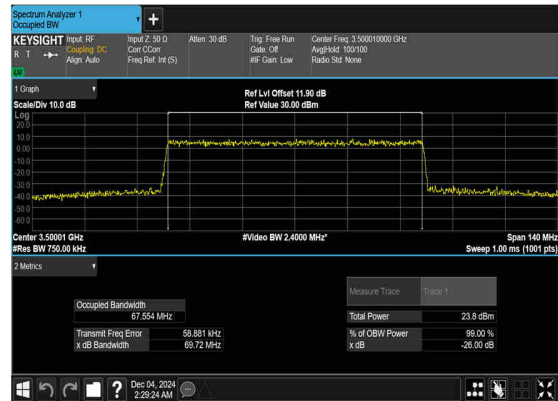
N77(70M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(70M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N77(70M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

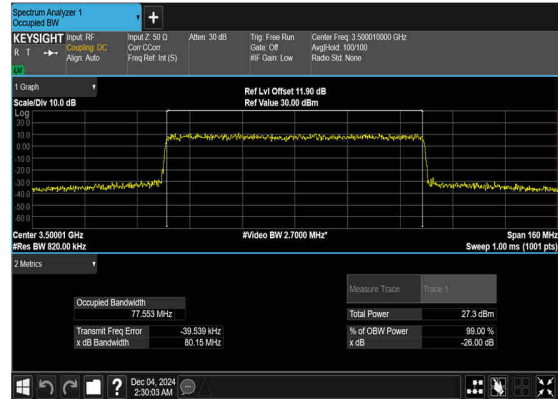




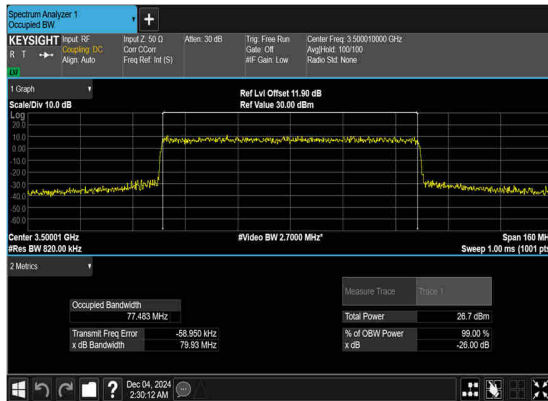
N77(80M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



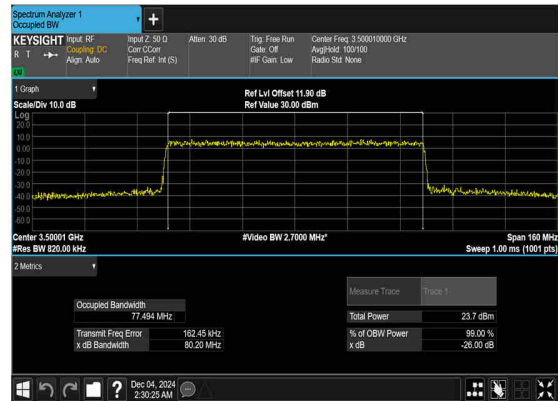
N77(80M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(80M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N77(80M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

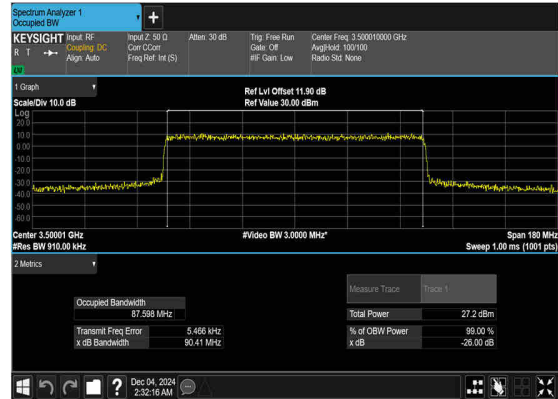




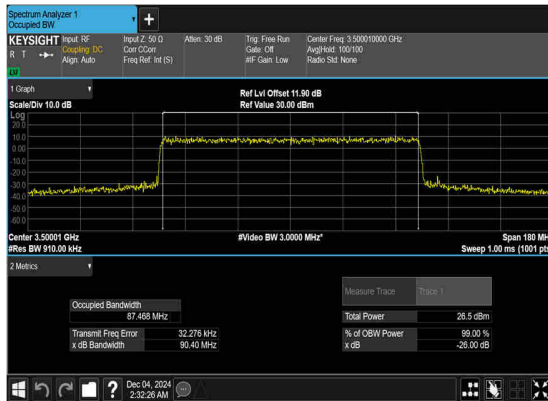
N77(90M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



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

