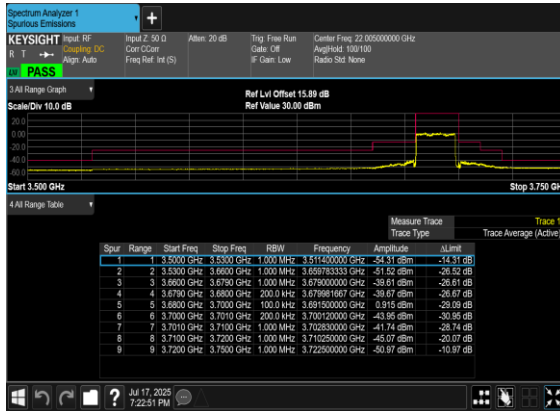
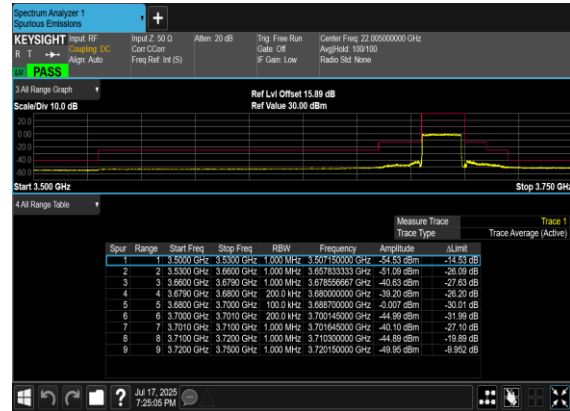




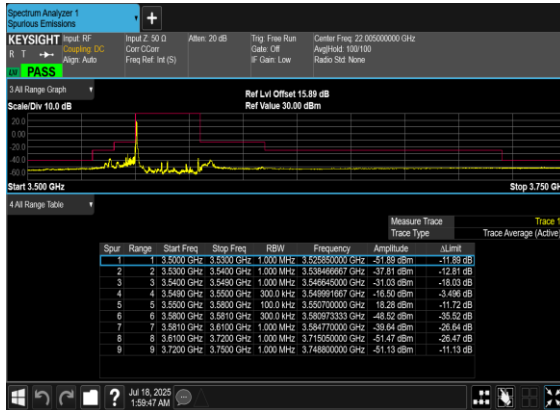
N48(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



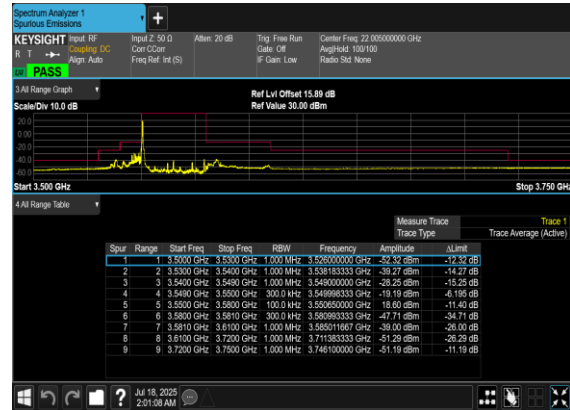
N48(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



N48(30M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH

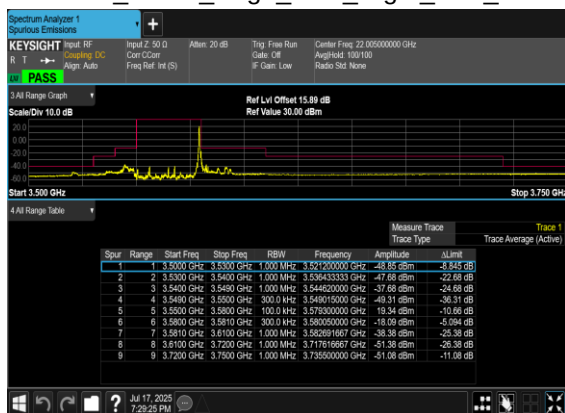


N48(30M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

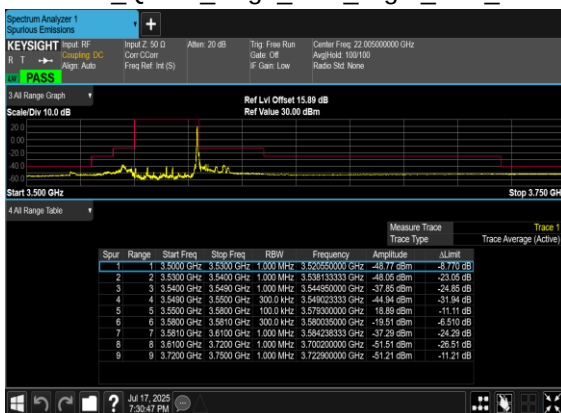




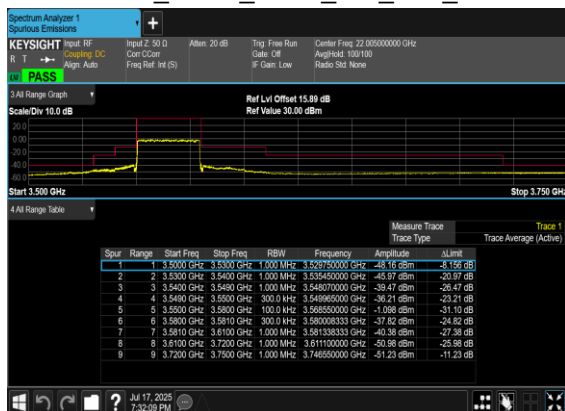
N48(30M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_Low_CH



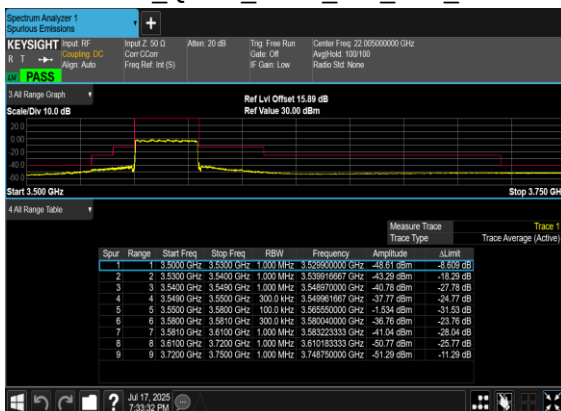
N48(30M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_Low_CH



N48(30M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

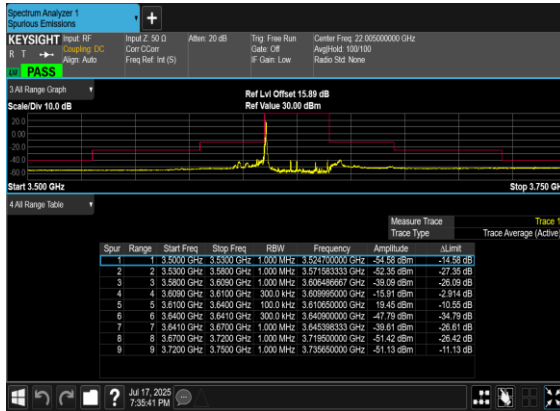


N48(30M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

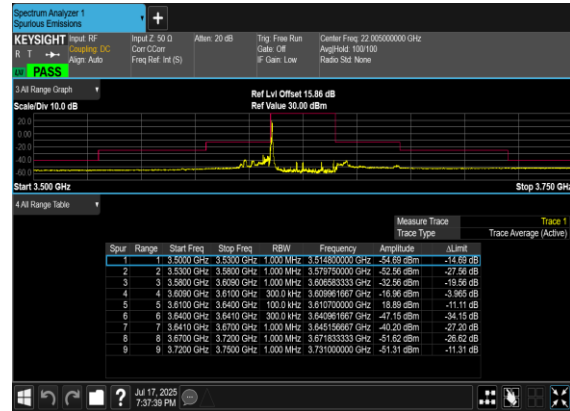




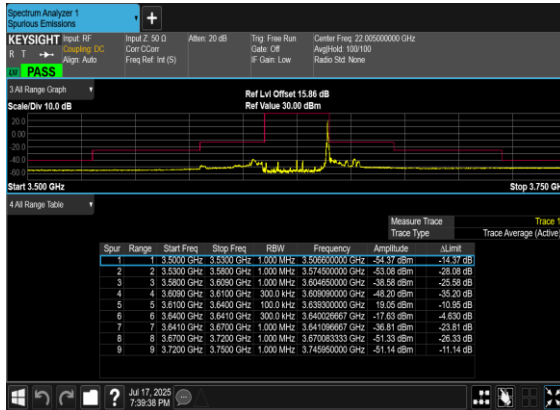
N48(30M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



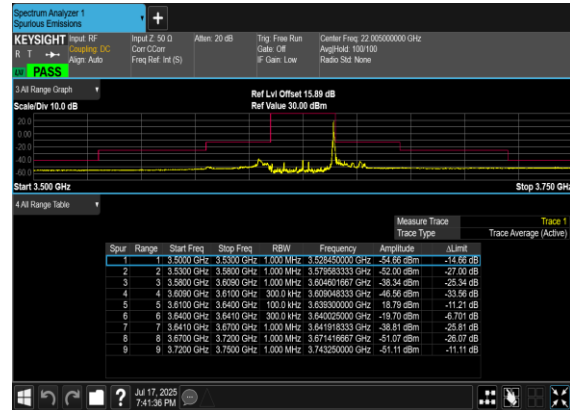
N48(30M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N48(30M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_Mid_CH

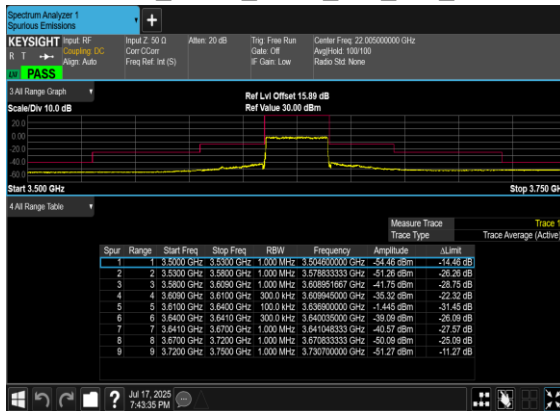


N48(30M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_Mid_CH

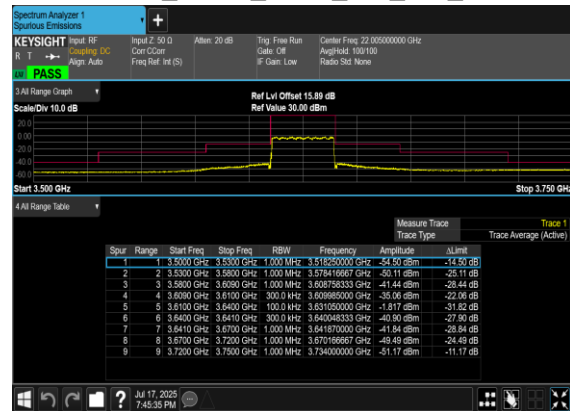




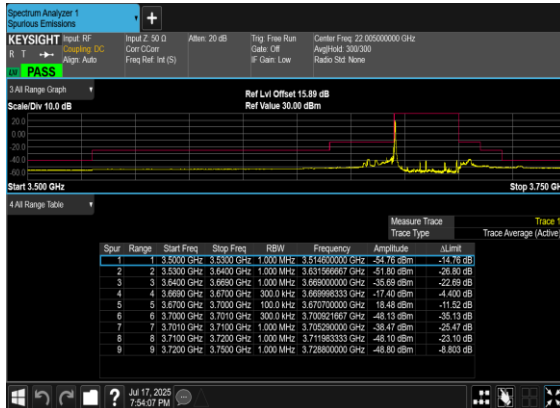
N48(30M)_DFT-s-
OFDM_BPSK_Outer_Full_Mid_CH



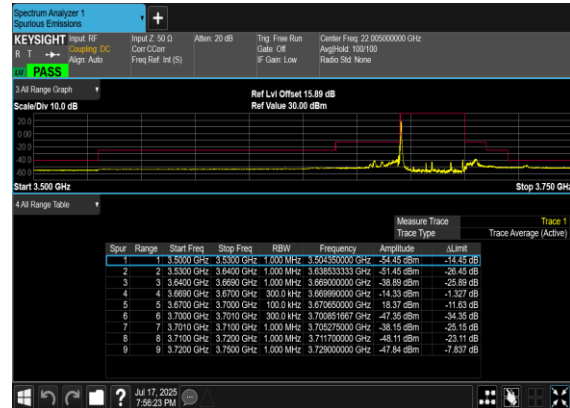
N48(30M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



N48(30M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH

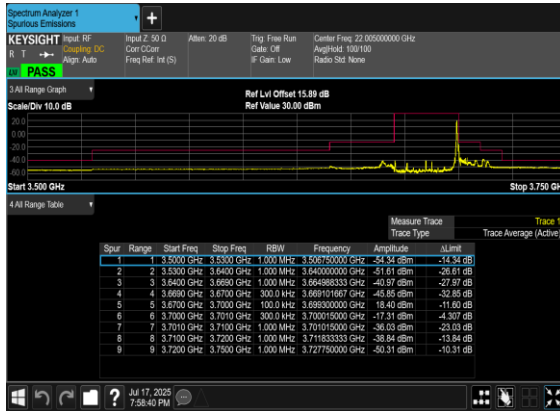


N48(30M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

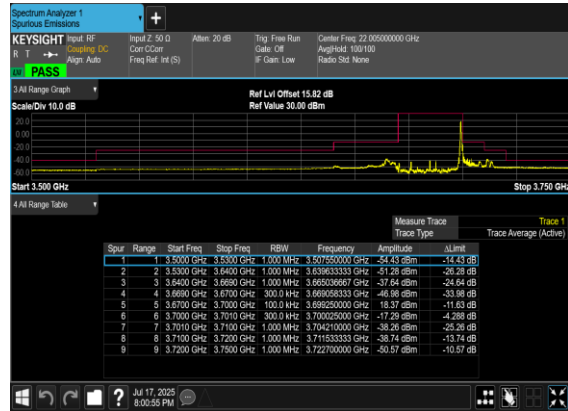




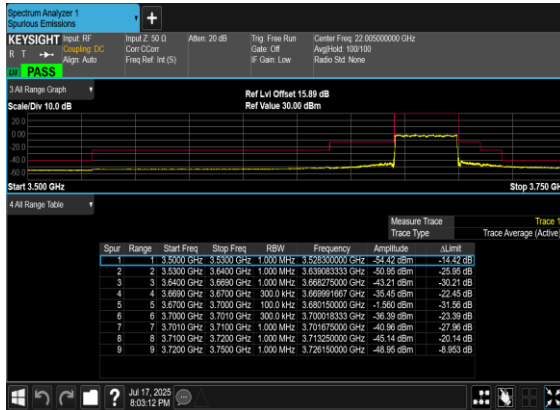
N48(30M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



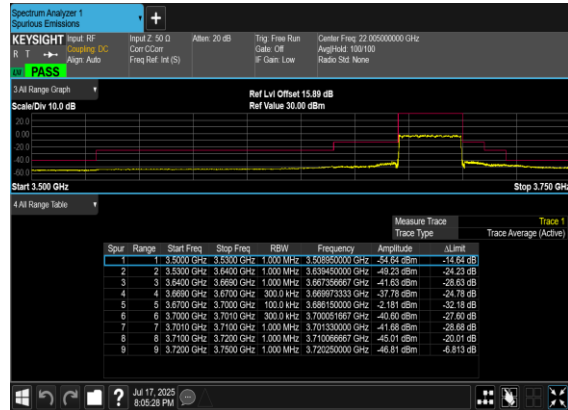
N48(30M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N48(30M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

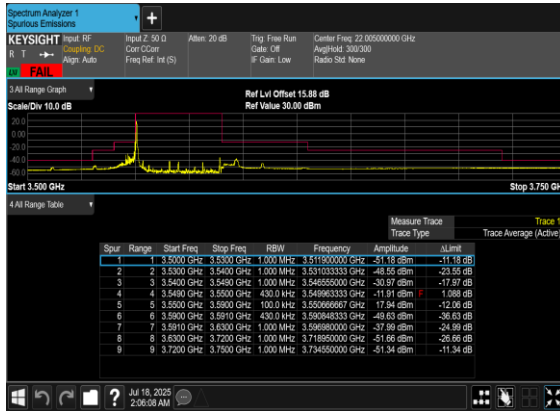


N48(30M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

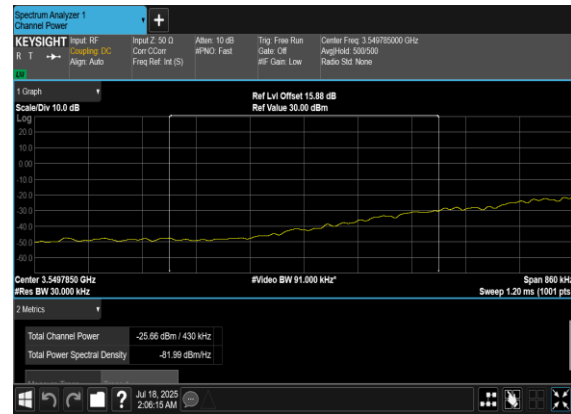




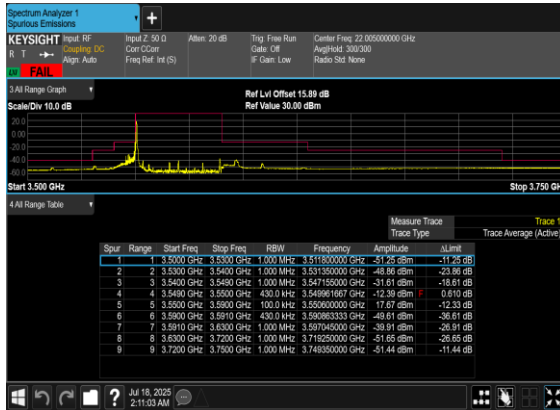
N48(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



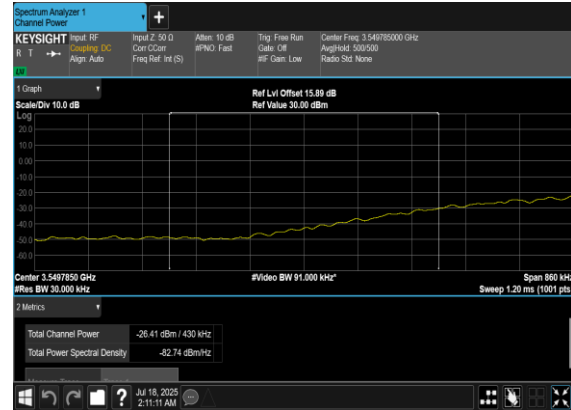
N48(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_P
ASS



N48(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

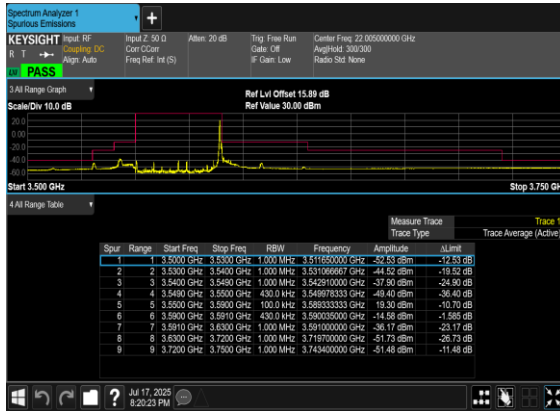


N48(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_P
PASS

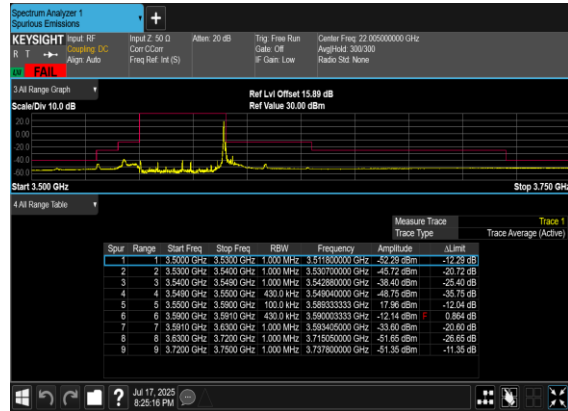




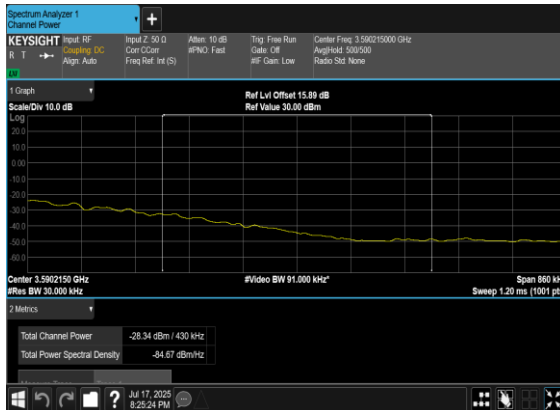
N48(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_Low_CH



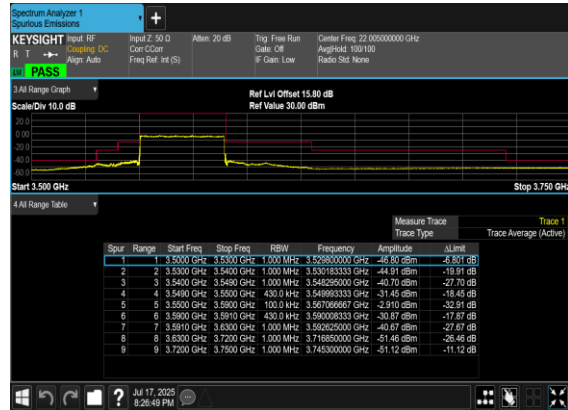
N48(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_Low_CH



N48(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_Low_CH_chp
_PASS

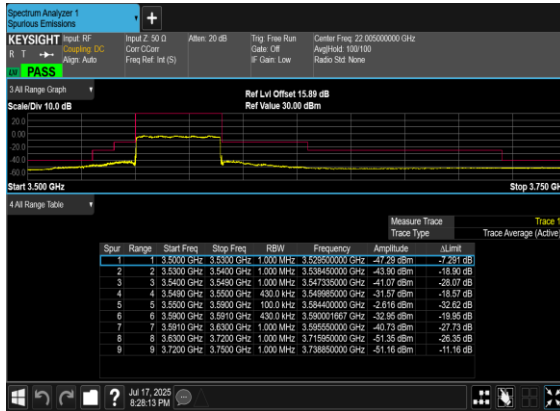


N48(40M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

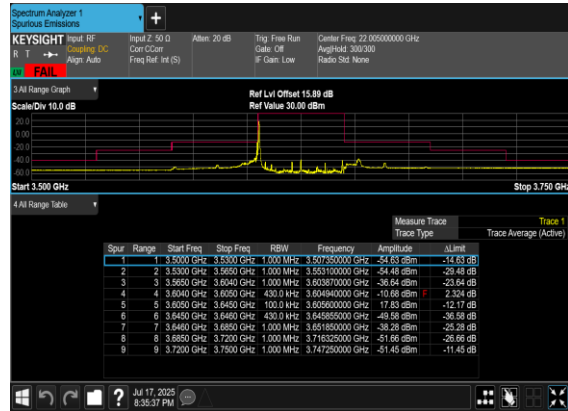




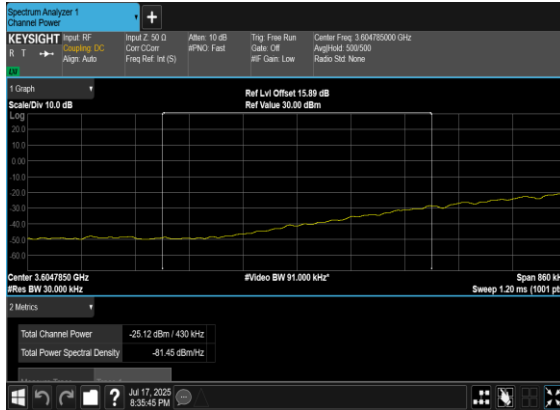
N48(40M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



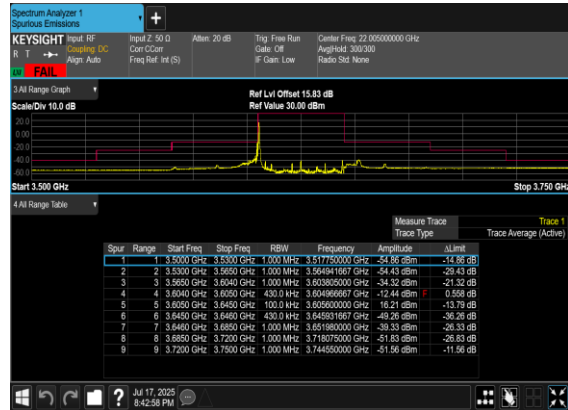
N48(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



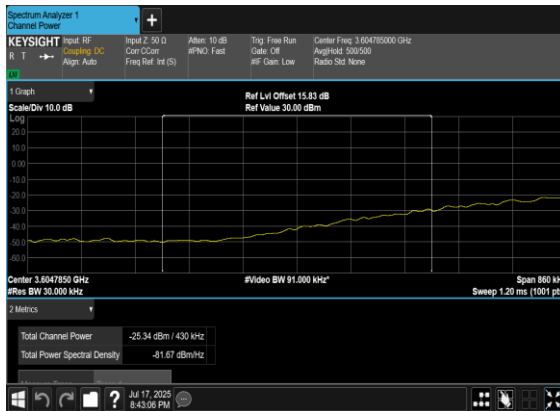
N48(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH_CHP_P
ASS



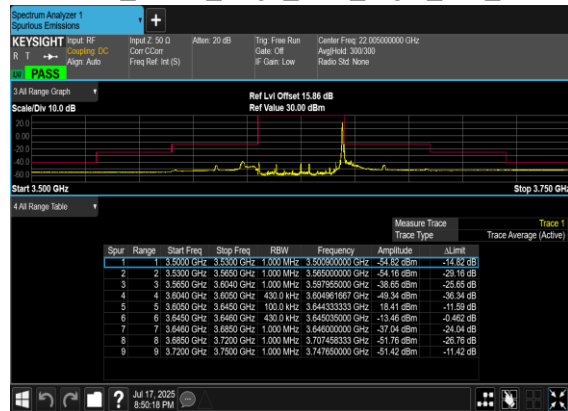
N48(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



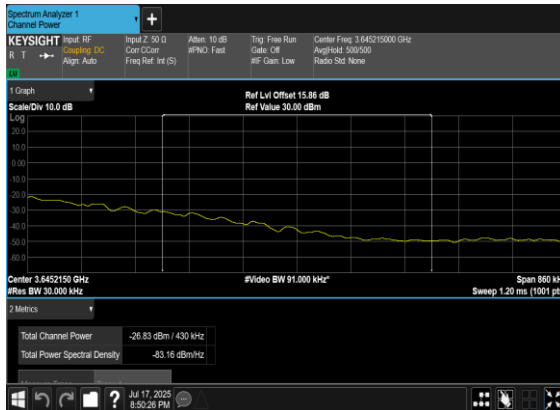
N48(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH_CHP_
PASS



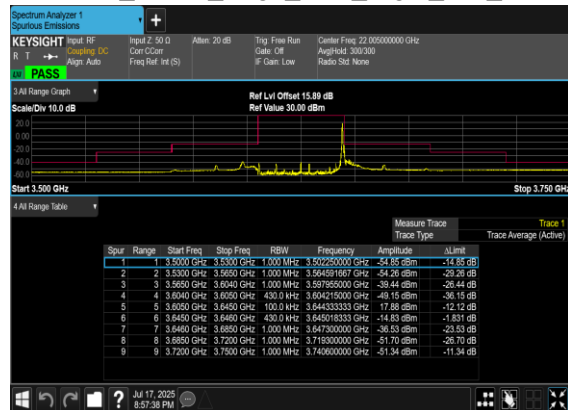
N48(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_Mid_CH



N48(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_Mid_CH_CHP
_PASS

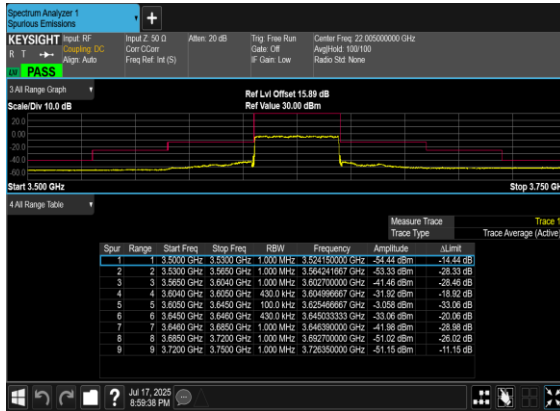


N48(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right Mid_CH

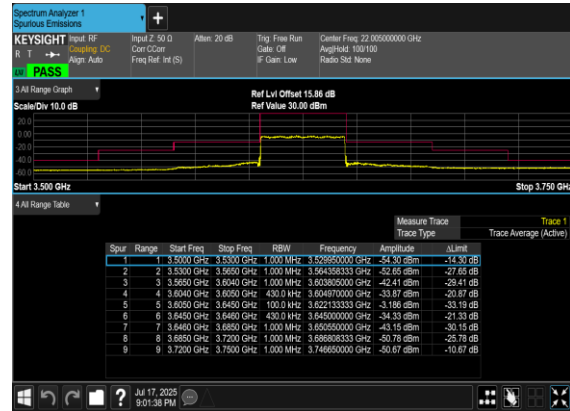




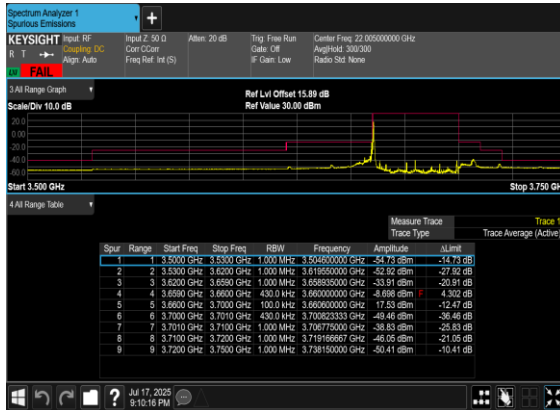
N48(40M)_DFT-s-
OFDM_BPSK_Outer_Full_Mid_CH



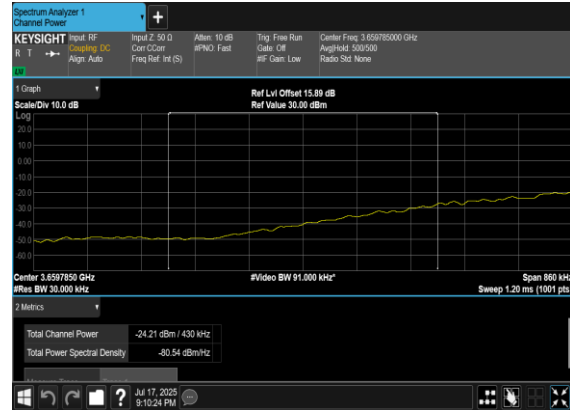
N48(40M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



N48(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH

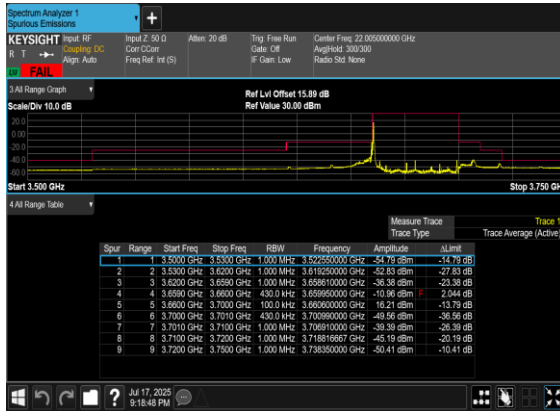


N48(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH_CHP_





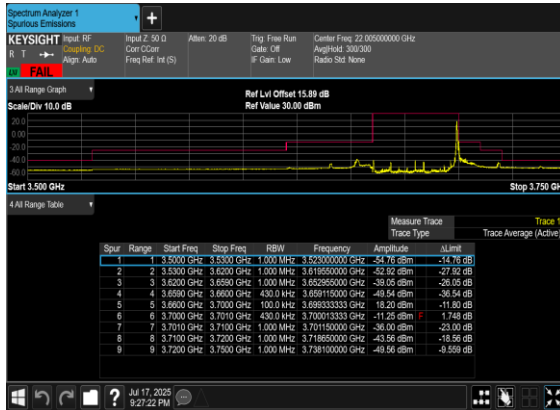
N48(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



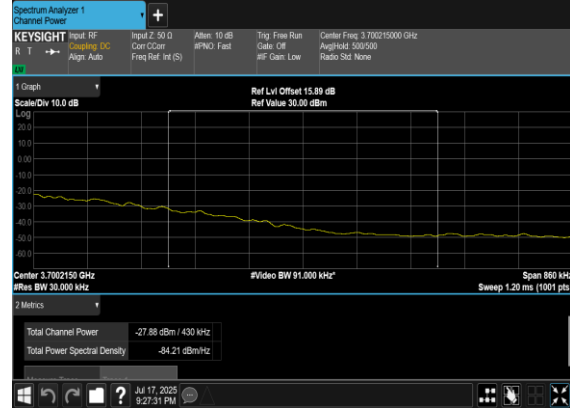
N48(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH_chp_
PASS



N48(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH

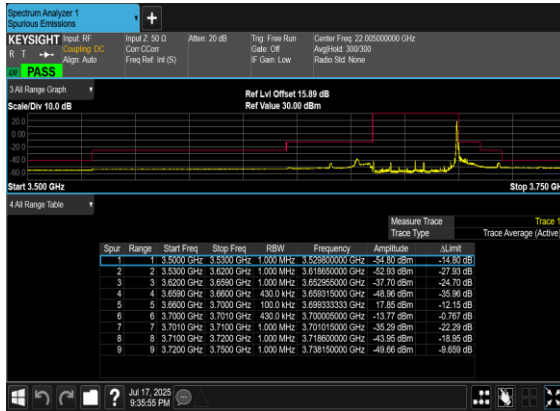


N48(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH_chp_
PASS

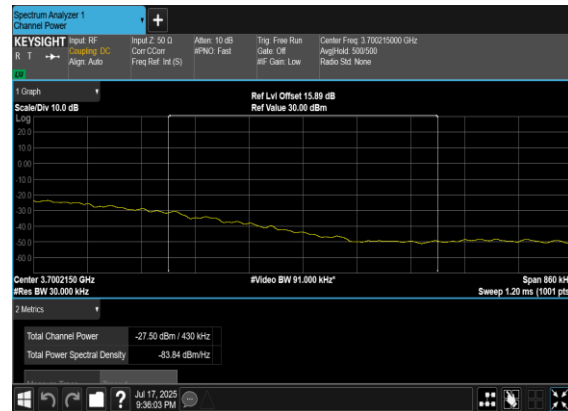




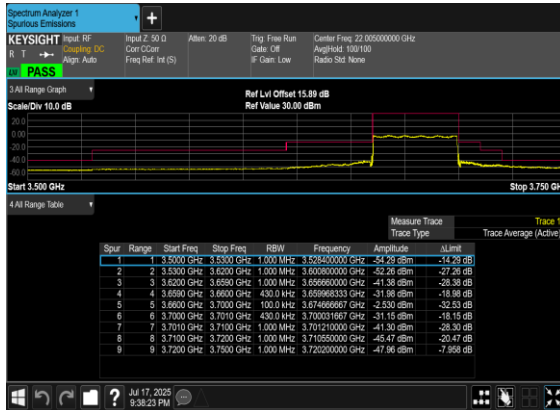
N48(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



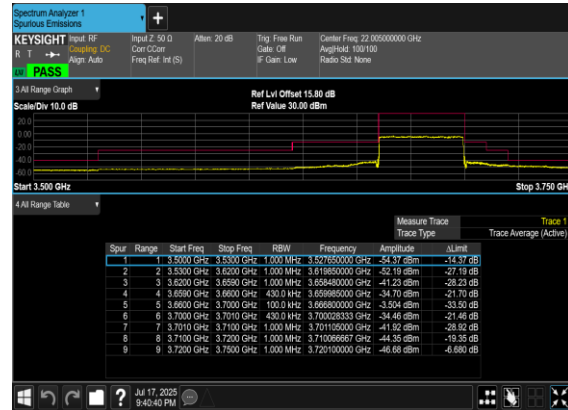
N48(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH_ch
P_PASS



N48(40M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N48(40M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





Software Version: 23.06.1602

FR1 n48 Ant 5_30 kHz**Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=1.22dBi**

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
48	30	10	637000	3555	DFT-s-OFDM QPSK	12@6	20.55	21.77	0.1503
48	30	10	637000	3555	DFT-s-OFDM QPSK	1@1	20.46	21.68	0.1472
48	30	10	637000	3555	DFT-s-OFDM QPSK	1@22	20.55	21.77	0.1503
48	30	10	637000	3555	DFT-s-OFDM 16 QAM	12@6	19.5	20.72	0.1180
48	30	10	637000	3555	DFT-s-OFDM 16 QAM	1@1	19.46	20.68	0.1169
48	30	10	637000	3555	DFT-s-OFDM 16 QAM	1@22	19.61	20.83	0.1211
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	12@6	20.64	21.86	0.1535
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	1@1	20.63	21.85	0.1531
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	1@22	20.67	21.89	0.1545
48	30	10	641666	3624.99	DFT-s-OFDM 16 QAM	12@6	19.62	20.84	0.1213
48	30	10	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	19.55	20.77	0.1194
48	30	10	641666	3624.99	DFT-s-OFDM 16 QAM	1@22	19.68	20.9	0.1230
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	12@6	20.8	22.02	0.1592
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	1@1	20.55	21.77	0.1503
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	1@22	20.62	21.84	0.1528
48	30	10	646332	3694.98	DFT-s-OFDM 16 QAM	12@6	19.79	21.01	0.1262
48	30	10	646332	3694.98	DFT-s-OFDM 16 QAM	1@1	19.59	20.81	0.1205
48	30	10	646332	3694.98	DFT-s-OFDM 16 QAM	1@22	19.66	20.88	0.1225
48	30	15	637168	3557.52	DFT-s-OFDM QPSK	18@9	20.61	21.83	0.1524
48	30	15	637168	3557.52	DFT-s-OFDM QPSK	1@1	20.53	21.75	0.1496
48	30	15	637168	3557.52	DFT-s-OFDM QPSK	1@36	20.62	21.84	0.1528
48	30	15	637168	3557.52	DFT-s-OFDM 16 QAM	18@9	19.67	20.89	0.1227
48	30	15	637168	3557.52	DFT-s-OFDM 16 QAM	1@1	19.49	20.71	0.1178
48	30	15	637168	3557.52	DFT-s-OFDM 16 QAM	1@36	19.58	20.8	0.1202



48	30	15	641666	3624.99	DFT-s-OFDM QPSK	18@9	20.72	21.94	0.1563
48	30	15	641666	3624.99	DFT-s-OFDM QPSK	1@1	20.67	21.89	0.1545
48	30	15	641666	3624.99	DFT-s-OFDM QPSK	1@36	20.78	22	0.1585
48	30	15	641666	3624.99	DFT-s-OFDM 16 QAM	18@9	19.73	20.95	0.1245
48	30	15	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	19.6	20.82	0.1208
48	30	15	641666	3624.99	DFT-s-OFDM 16 QAM	1@36	19.72	20.94	0.1242
48	30	15	646166	3692.49	DFT-s-OFDM QPSK	18@9	20.6	21.82	0.1521
48	30	15	646166	3692.49	DFT-s-OFDM QPSK	1@1	20.66	21.88	0.1542
48	30	15	646166	3692.49	DFT-s-OFDM QPSK	1@36	20.67	21.89	0.1545
48	30	15	646166	3692.49	DFT-s-OFDM 16 QAM	18@9	19.7	20.92	0.1236
48	30	15	646166	3692.49	DFT-s-OFDM 16 QAM	1@1	19.62	20.84	0.1213
48	30	15	646166	3692.49	DFT-s-OFDM 16 QAM	1@36	19.65	20.87	0.1222
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	25@12	20.62	21.84	0.1528
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@1	20.63	21.85	0.1531
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@49	20.53	21.75	0.1496
48	30	20	637334	3560.01	DFT-s-OFDM 16 QAM	25@12	19.66	20.88	0.1225
48	30	20	637334	3560.01	DFT-s-OFDM 16 QAM	1@1	19.52	20.74	0.1186
48	30	20	637334	3560.01	DFT-s-OFDM 16 QAM	1@49	19.54	20.76	0.1191
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	25@12	20.75	21.97	0.1574
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@1	20.63	21.85	0.1531
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@49	20.82	22.04	0.1600
48	30	20	641666	3624.99	DFT-s-OFDM 16 QAM	25@12	19.71	20.93	0.1239
48	30	20	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	19.6	20.82	0.1208
48	30	20	641666	3624.99	DFT-s-OFDM 16 QAM	1@49	19.74	20.96	0.1247
48	30	20	646000	3690	DFT-s-OFDM QPSK	25@12	20.62	21.84	0.1528
48	30	20	646000	3690	DFT-s-OFDM QPSK	1@1	20.69	21.91	0.1552
48	30	20	646000	3690	DFT-s-OFDM QPSK	1@49	20.66	21.88	0.1542
48	30	20	646000	3690	DFT-s-OFDM 16 QAM	25@12	19.65	20.87	0.1222
48	30	20	646000	3690	DFT-s-OFDM 16 QAM	1@1	19.67	20.89	0.1227
48	30	20	646000	3690	DFT-s-OFDM 16 QAM	1@49	19.62	20.84	0.1213



48	30	30	637668	3565.02	DFT-s-OFDM QPSK	36@18	20.56	21.78	0.1507
48	30	30	637668	3565.02	DFT-s-OFDM QPSK	1@1	20.6	21.82	0.1521
48	30	30	637668	3565.02	DFT-s-OFDM QPSK	1@76	20.27	21.49	0.1409
48	30	30	637668	3565.02	DFT-s-OFDM 16 QAM	36@18	19.58	20.8	0.1202
48	30	30	637668	3565.02	DFT-s-OFDM 16 QAM	1@1	19.58	20.8	0.1202
48	30	30	637668	3565.02	DFT-s-OFDM 16 QAM	1@76	19.27	20.49	0.1119
48	30	30	641666	3624.99	DFT-s-OFDM QPSK	36@18	20.69	21.91	0.1552
48	30	30	641666	3624.99	DFT-s-OFDM QPSK	1@1	20.63	21.85	0.1531
48	30	30	641666	3624.99	DFT-s-OFDM QPSK	1@76	20.85	22.07	0.1611
48	30	30	641666	3624.99	DFT-s-OFDM 16 QAM	36@18	19.7	20.92	0.1236
48	30	30	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	19.62	20.84	0.1213
48	30	30	641666	3624.99	DFT-s-OFDM 16 QAM	1@76	19.86	21.08	0.1282
48	30	30	645666	3684.99	DFT-s-OFDM QPSK	36@18	20.78	22	0.1585
48	30	30	645666	3684.99	DFT-s-OFDM QPSK	1@1	21.15	22.37	0.1726
48	30	30	645666	3684.99	DFT-s-OFDM QPSK	1@76	20.74	21.96	0.1570
48	30	30	645666	3684.99	DFT-s-OFDM 16 QAM	36@18	19.77	20.99	0.1256
48	30	30	645666	3684.99	DFT-s-OFDM 16 QAM	1@1	20.07	21.29	0.1346
48	30	30	645666	3684.99	DFT-s-OFDM 16 QAM	1@76	19.7	20.92	0.1236
48	30	40	638000	3570	DFT-s-OFDM PI/2 BPSK	50@25	20.44	21.66	0.1466
48	30	40	638000	3570	DFT-s-OFDM PI/2 BPSK	1@1	20.56	21.78	0.1507
48	30	40	638000	3570	DFT-s-OFDM PI/2 BPSK	1@104	20.4	21.62	0.1452
48	30	40	638000	3570	DFT-s-OFDM QPSK	50@25	20.49	21.71	0.1483
48	30	40	638000	3570	DFT-s-OFDM QPSK	1@1	20.57	21.79	0.1510
48	30	40	638000	3570	DFT-s-OFDM QPSK	1@104	20.42	21.64	0.1459
48	30	40	638000	3570	DFT-s-OFDM 16 QAM	50@25	19.46	20.68	0.1169
48	30	40	638000	3570	DFT-s-OFDM 16 QAM	1@1	19.52	20.74	0.1186
48	30	40	638000	3570	DFT-s-OFDM 16 QAM	1@104	19.36	20.58	0.1143
48	30	40	638000	3570	DFT-s-OFDM 64 QAM	50@25	18.09	19.31	0.0853
48	30	40	638000	3570	DFT-s-OFDM 64 QAM	1@1	18.08	19.3	0.0851
48	30	40	638000	3570	DFT-s-OFDM 64 QAM	1@104	17.72	18.94	0.0783



48	30	40	638000	3570	DFT-s-OFDM 256 QAM	50@25	16.08	17.3	0.0537
48	30	40	638000	3570	DFT-s-OFDM 256 QAM	1@1	16.01	17.23	0.0528
48	30	40	638000	3570	DFT-s-OFDM 256 QAM	1@104	15.68	16.9	0.0490
48	30	40	638000	3570	CP-OFDM QPSK	53@26	19.06	20.28	0.1067
48	30	40	638000	3570	CP-OFDM QPSK	1@1	19.07	20.29	0.1069
48	30	40	638000	3570	CP-OFDM QPSK	1@104	18.72	19.94	0.0986
48	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	50@25	20.74	21.96	0.1570
48	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@1	20.58	21.8	0.1514
48	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@104	20.96	22.18	0.1652
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	50@25	20.73	21.95	0.1567
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@1	20.57	21.79	0.1510
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@104	20.99	22.21	0.1663
48	30	40	641666	3624.99	DFT-s-OFDM 16 QAM	50@25	19.73	20.95	0.1245
48	30	40	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	19.56	20.78	0.1197
48	30	40	641666	3624.99	DFT-s-OFDM 16 QAM	1@104	19.96	21.18	0.1312
48	30	40	641666	3624.99	DFT-s-OFDM 64 QAM	50@25	18.23	19.45	0.0881
48	30	40	641666	3624.99	DFT-s-OFDM 64 QAM	1@1	18	19.22	0.0836
48	30	40	641666	3624.99	DFT-s-OFDM 64 QAM	1@104	18.37	19.59	0.0910
48	30	40	641666	3624.99	DFT-s-OFDM 256 QAM	50@25	16.21	17.43	0.0553
48	30	40	641666	3624.99	DFT-s-OFDM 256 QAM	1@1	15.95	17.17	0.0521
48	30	40	641666	3624.99	DFT-s-OFDM 256 QAM	1@104	16.32	17.54	0.0568
48	30	40	641666	3624.99	CP-OFDM QPSK	53@26	19.24	20.46	0.1112
48	30	40	641666	3624.99	CP-OFDM QPSK	1@1	19.03	20.25	0.1059
48	30	40	641666	3624.99	CP-OFDM QPSK	1@104	19.39	20.61	0.1151
48	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	50@25	20.87	22.09	0.1618
48	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	1@1	21.19	22.41	0.1742
48	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	1@104	20.66	21.88	0.1542
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	50@25	20.85	22.07	0.1611
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@1	21.21	22.43	0.1750
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@104	20.74	21.96	0.1570
48	30	40	645332	3679.98	DFT-s-OFDM 16 QAM	50@25	19.89	21.11	0.1291
48	30	40	645332	3679.98	DFT-s-OFDM 16 QAM	1@1	20.19	21.41	0.1384



48	30	40	645332	3679.98	DFT-s-OFDM 16 QAM	1@104	19.65	20.87	0.1222
48	30	40	645332	3679.98	DFT-s-OFDM 64 QAM	50@25	18.41	19.63	0.0918
48	30	40	645332	3679.98	DFT-s-OFDM 64 QAM	1@1	18.61	19.83	0.0962
48	30	40	645332	3679.98	DFT-s-OFDM 64 QAM	1@104	18.1	19.32	0.0855
48	30	40	645332	3679.98	DFT-s-OFDM 256 QAM	50@25	16.38	17.6	0.0575
48	30	40	645332	3679.98	DFT-s-OFDM 256 QAM	1@1	16.53	17.75	0.0596
48	30	40	645332	3679.98	DFT-s-OFDM 256 QAM	1@104	16.04	17.26	0.0532
48	30	40	645332	3679.98	CP-OFDM QPSK	53@26	19.34	20.56	0.1138
48	30	40	645332	3679.98	CP-OFDM QPSK	1@1	19.64	20.86	0.1219
48	30	40	645332	3679.98	CP-OFDM QPSK	1@104	19.13	20.35	0.1084



Software Version: 23.06.1602

FR1 n48 UL MIMO(Ant 5)-15 kHz**Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=1.22dBi**

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	ANT5 Power(dBm)	ANT6 Power(dBm)	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
48	15	10	637000	3555	CP-OFDM QPSK	26@13	16.1	16.31	19.22	20.44	0.1107
48	15	10	637000	3555	CP-OFDM QPSK	1@1	15.79	16.22	19.02	20.24	0.1057
48	15	10	637000	3555	CP-OFDM QPSK	1@50	15.96	16.27	19.13	20.35	0.1084
48	15	10	637000	3555	CP-OFDM 16 QAM	26@13	15.51	15.82	18.68	19.90	0.0977
48	15	10	637000	3555	CP-OFDM 16 QAM	1@1	15.63	15.77	18.71	19.93	0.0984
48	15	10	637000	3555	CP-OFDM 16 QAM	1@50	15.77	15.84	18.82	20.04	0.1009
48	15	10	641666	3624.99	CP-OFDM QPSK	26@13	16.16	16.48	19.33	20.55	0.1135
48	15	10	641666	3624.99	CP-OFDM QPSK	1@1	16.04	16.4	19.23	20.45	0.1109
48	15	10	641666	3624.99	CP-OFDM QPSK	1@50	16.11	16.49	19.31	20.53	0.1130
48	15	10	641666	3624.99	CP-OFDM 16 QAM	26@13	15.69	15.99	18.85	20.07	0.1016
48	15	10	641666	3624.99	CP-OFDM 16 QAM	1@1	15.77	15.95	18.87	20.09	0.1021
48	15	10	641666	3624.99	CP-OFDM 16 QAM	1@50	15.97	16	19.00	20.22	0.1052
48	15	10	646332	3694.98	CP-OFDM QPSK	26@13	16.17	16.26	19.23	20.45	0.1109
48	15	10	646332	3694.98	CP-OFDM QPSK	1@1	16.06	16.18	19.13	20.35	0.1084
48	15	10	646332	3694.98	CP-OFDM QPSK	1@50	16.09	16.21	19.16	20.38	0.1091
48	15	10	646332	3694.98	CP-OFDM 16 QAM	26@13	15.64	15.73	18.70	19.92	0.0982
48	15	10	646332	3694.98	CP-OFDM 16 QAM	1@1	15.76	15.71	18.75	19.97	0.0993
48	15	10	646332	3694.98	CP-OFDM 16 QAM	1@50	15.89	15.78	18.85	20.07	0.1016
48	15	15	637168	3557.52	CP-OFDM QPSK	39@19	16.11	16.42	19.28	20.50	0.1122
48	15	15	637168	3557.52	CP-OFDM QPSK	1@1	15.88	16.37	19.14	20.36	0.1086
48	15	15	637168	3557.52	CP-OFDM QPSK	1@77	16.04	16.42	19.24	20.46	0.1112
48	15	15	637168	3557.52	CP-OFDM 16 QAM	39@19	15.64	15.92	18.79	20.01	0.1002
48	15	15	637168	3557.52	CP-OFDM 16 QAM	1@1	15.69	15.86	18.79	20.01	0.1002
48	15	15	637168	3557.52	CP-OFDM 16 QAM	1@77	15.87	15.94	18.92	20.14	0.1033
48	15	15	641666	3624.99	CP-OFDM QPSK	39@19	16.17	16.57	19.38	20.60	0.1148
48	15	15	641666	3624.99	CP-OFDM QPSK	1@1	16.04	16.51	19.29	20.51	0.1125
48	15	15	641666	3624.99	CP-OFDM QPSK	1@77	16.24	16.53	19.40	20.62	0.1153
48	15	15	641666	3624.99	CP-OFDM 16 QAM	39@19	15.69	16.03	18.87	20.09	0.1021



48	15	15	641666	3624.99	CP-OFDM 16 QAM	1@1	15.82	15.96	18.90	20.12	0.1028
48	15	15	641666	3624.99	CP-OFDM 16 QAM	1@77	15.99	16.07	19.04	20.26	0.1062
48	15	15	646166	3692.49	CP-OFDM QPSK	39@19	16.16	16.29	19.24	20.46	0.1112
48	15	15	646166	3692.49	CP-OFDM QPSK	1@1	16.06	16.19	19.14	20.36	0.1086
48	15	15	646166	3692.49	CP-OFDM QPSK	1@77	16.13	16.26	19.21	20.43	0.1104
48	15	15	646166	3692.49	CP-OFDM 16 QAM	39@19	15.67	15.74	18.72	19.94	0.0986
48	15	15	646166	3692.49	CP-OFDM 16 QAM	1@1	15.87	15.69	18.79	20.01	0.1002
48	15	15	646166	3692.49	CP-OFDM 16 QAM	1@77	15.85	15.75	18.81	20.03	0.1007
48	15	20	637334	3560.01	CP-OFDM QPSK	53@26	16.17	16.53	19.36	20.58	0.1143
48	15	20	637334	3560.01	CP-OFDM QPSK	1@1	15.91	16.4	19.17	20.39	0.1094
48	15	20	637334	3560.01	CP-OFDM QPSK	1@104	15.97	16.43	19.22	20.44	0.1107
48	15	20	637334	3560.01	CP-OFDM 16 QAM	53@26	15.66	15.97	18.83	20.05	0.1012
48	15	20	637334	3560.01	CP-OFDM 16 QAM	1@1	15.77	15.9	18.85	20.07	0.1016
48	15	20	637334	3560.01	CP-OFDM 16 QAM	1@104	15.76	15.92	18.85	20.07	0.1016
48	15	20	641666	3624.99	CP-OFDM QPSK	53@26	16.21	16.6	19.42	20.64	0.1159
48	15	20	641666	3624.99	CP-OFDM QPSK	1@1	16.02	16.45	19.25	20.47	0.1114
48	15	20	641666	3624.99	CP-OFDM QPSK	1@104	16.22	16.47	19.36	20.58	0.1143
48	15	20	641666	3624.99	CP-OFDM 16 QAM	53@26	15.66	16.05	18.87	20.09	0.1021
48	15	20	641666	3624.99	CP-OFDM 16 QAM	1@1	15.85	15.98	18.93	20.15	0.1035
48	15	20	641666	3624.99	CP-OFDM 16 QAM	1@104	16.04	15.94	19.00	20.22	0.1052
48	15	20	646000	3690	CP-OFDM QPSK	53@26	16.11	16.22	19.18	20.40	0.1096
48	15	20	646000	3690	CP-OFDM QPSK	1@1	16.15	16.13	19.15	20.37	0.1089
48	15	20	646000	3690	CP-OFDM QPSK	1@104	16.12	16.13	19.14	20.36	0.1086
48	15	20	646000	3690	CP-OFDM 16 QAM	53@26	15.63	15.79	18.72	19.94	0.0986
48	15	20	646000	3690	CP-OFDM 16 QAM	1@1	15.99	15.66	18.84	20.06	0.1014
48	15	20	646000	3690	CP-OFDM 16 QAM	1@104	15.91	15.72	18.83	20.05	0.1012
48	15	30	637667	3565.005	CP-OFDM QPSK	80@40	16.08	16.47	19.29	20.51	0.1125
48	15	30	637667	3565.005	CP-OFDM QPSK	1@1	16.07	16.38	19.24	20.46	0.1112
48	15	30	637667	3565.005	CP-OFDM QPSK	1@158	15.71	16.39	19.07	20.29	0.1069
48	15	30	637667	3565.005	CP-OFDM 16 QAM	80@40	15.59	15.97	18.79	20.01	0.1002
48	15	30	637667	3565.005	CP-OFDM 16 QAM	1@1	15.82	16.01	18.93	20.15	0.1035
48	15	30	637667	3565.005	CP-OFDM 16 QAM	1@158	15.54	15.94	18.75	19.97	0.0993
48	15	30	641666	3624.99	CP-OFDM QPSK	80@40	16.23	16.6	19.43	20.65	0.1161
48	15	30	641666	3624.99	CP-OFDM QPSK	1@1	16.03	16.52	19.29	20.51	0.1125
48	15	30	641666	3624.99	CP-OFDM QPSK	1@158	16.44	16.5	19.48	20.70	0.1175



48	15	30	641666	3624.99	CP-OFDM 16 QAM	80@40	15.7	16.15	18.94	20.16	0.1038
48	15	30	641666	3624.99	CP-OFDM 16 QAM	1@1	15.85	16.05	18.96	20.18	0.1042
48	15	30	641666	3624.99	CP-OFDM 16 QAM	1@158	16.14	16.13	19.15	20.37	0.1089
48	15	30	645666	3684.99	CP-OFDM QPSK	80@40	16.31	16.33	19.33	20.55	0.1135
48	15	30	645666	3684.99	CP-OFDM QPSK	1@1	16.49	16.31	19.41	20.63	0.1156
48	15	30	645666	3684.99	CP-OFDM QPSK	1@158	16.21	16.36	19.30	20.52	0.1127
48	15	30	645666	3684.99	CP-OFDM 16 QAM	80@40	15.83	15.83	18.84	20.06	0.1014
48	15	30	645666	3684.99	CP-OFDM 16 QAM	1@1	16.27	15.87	19.08	20.30	0.1072
48	15	30	645666	3684.99	CP-OFDM 16 QAM	1@158	15.97	15.91	18.95	20.17	0.1040
48	15	40	638000	3570	CP-OFDM QPSK	108@54	16.03	16.53	19.30	20.52	0.1127
48	15	40	638000	3570	CP-OFDM QPSK	1@1	16.5	16.62	19.57	20.79	0.1199
48	15	40	638000	3570	CP-OFDM QPSK	1@214	15.83	16.44	19.16	20.38	0.1091
48	15	40	638000	3570	CP-OFDM 16 QAM	108@54	15.54	16.02	18.80	20.02	0.1005
48	15	40	638000	3570	CP-OFDM 16 QAM	1@1	15.84	16.04	18.95	20.17	0.1040
48	15	40	638000	3570	CP-OFDM 16 QAM	1@214	15.55	16.02	18.80	20.02	0.1005
48	15	40	638000	3570	CP-OFDM 64 QAM	108@54	14.02	14.52	17.29	18.51	0.0710
48	15	40	638000	3570	CP-OFDM 64 QAM	1@1	13.88	14.45	17.18	18.40	0.0692
48	15	40	638000	3570	CP-OFDM 64 QAM	1@214	13.57	14.36	16.99	18.21	0.0662
48	15	40	638000	3570	CP-OFDM 256 QAM	108@54	11.01	11.52	14.28	15.50	0.0355
48	15	40	638000	3570	CP-OFDM 256 QAM	1@1	11.16	11.82	14.51	15.73	0.0374
48	15	40	638000	3570	CP-OFDM 256 QAM	1@214	10.86	11.72	14.32	15.54	0.0358
48	15	40	641666	3624.99	CP-OFDM QPSK	108@54	16.2	16.58	19.40	20.62	0.1153
48	15	40	641666	3624.99	CP-OFDM QPSK	1@1	16	16.52	19.28	20.50	0.1122
48	15	40	641666	3624.99	CP-OFDM QPSK	1@214	16.39	16.45	19.43	20.65	0.1161
48	15	40	641666	3624.99	CP-OFDM 16 QAM	108@54	15.78	16.1	18.95	20.17	0.1040
48	15	40	641666	3624.99	CP-OFDM 16 QAM	1@1	15.82	16.06	18.95	20.17	0.1040
48	15	40	641666	3624.99	CP-OFDM 16 QAM	1@214	16.27	16.01	19.15	20.37	0.1089
48	15	40	641666	3624.99	CP-OFDM 64 QAM	108@54	14.2	14.64	17.44	18.66	0.0735
48	15	40	641666	3624.99	CP-OFDM 64 QAM	1@1	13.92	14.32	17.13	18.35	0.0684
48	15	40	641666	3624.99	CP-OFDM 64 QAM	1@214	14.22	14.38	17.31	18.53	0.0713
48	15	40	641666	3624.99	CP-OFDM 256 QAM	108@54	11.21	11.66	14.45	15.67	0.0369
48	15	40	641666	3624.99	CP-OFDM 256 QAM	1@1	11.12	11.79	14.48	15.70	0.0372



48	15	40	641666	3624.99	CP-OFDM 256 QAM	1@214	11.5	11.68	14.60	15.82	0.0382
48	15	40	645332	3679.98	CP-OFDM QPSK	108@54	16.4	16.22	19.32	20.54	0.1132
48	15	40	645332	3679.98	CP-OFDM QPSK	1@1	16.61	16.17	19.41	20.63	0.1156
48	15	40	645332	3679.98	CP-OFDM QPSK	1@214	16.12	16.25	19.20	20.42	0.1102
48	15	40	645332	3679.98	CP-OFDM 16 QAM	108@54	15.84	15.76	18.81	20.03	0.1007
48	15	40	645332	3679.98	CP-OFDM 16 QAM	1@1	16.36	15.75	19.08	20.30	0.1072
48	15	40	645332	3679.98	CP-OFDM 16 QAM	1@214	15.91	15.82	18.88	20.10	0.1023
48	15	40	645332	3679.98	CP-OFDM 64 QAM	108@54	14.32	14.25	17.30	18.52	0.0711
48	15	40	645332	3679.98	CP-OFDM 64 QAM	1@1	14.43	14.14	17.30	18.52	0.0711
48	15	40	645332	3679.98	CP-OFDM 64 QAM	1@214	13.9	14.15	17.04	18.26	0.0670
48	15	40	645332	3679.98	CP-OFDM 256 QAM	108@54	11.32	11.23	14.29	15.51	0.0356
48	15	40	645332	3679.98	CP-OFDM 256 QAM	1@1	11.72	11.37	14.56	15.78	0.0378
48	15	40	645332	3679.98	CP-OFDM 256 QAM	1@214	11.27	11.47	14.38	15.60	0.0363



Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	15.6	PASS	NV
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	17.5	PASS	LV
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	17.7	PASS	HV
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	11.6	PASS	-30℃
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	11.6	PASS	-20℃
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	8.4	PASS	-10℃
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	12.5	PASS	0℃
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	17	PASS	10℃
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	16.8	PASS	20℃
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	8.4	PASS	30℃
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	12.4	PASS	40℃
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	12	PASS	50℃

 $|\text{MAX}(\Delta f)| = 17.7 \text{ Hz}$

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	3550.539482	$\geq 3550 \text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	3699.430618	$\leq 3700 \text{ MHz}$	

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	8.49	13	PASS

N48(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



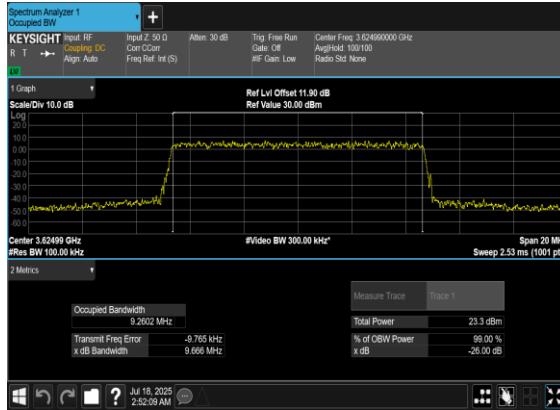


Occupied Bandwidth

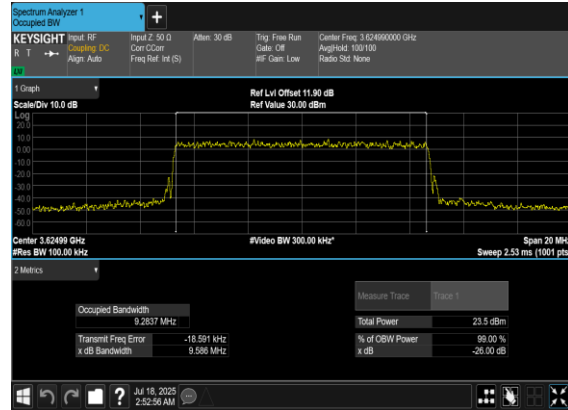
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
48	15	10	641666	3624.99	CP-OFDM QPSK	52@0	9.2602	9.666
48	15	10	641666	3624.99	CP-OFDM 16 QAM	52@0	9.2837	9.586
48	15	10	641666	3624.99	CP-OFDM 64 QAM	52@0	9.2524	9.64
48	15	10	641666	3624.99	CP-OFDM 256 QAM	52@0	9.2613	9.724
48	15	15	641666	3624.99	CP-OFDM QPSK	79@0	14.066	14.68
48	15	15	641666	3624.99	CP-OFDM 16 QAM	79@0	14.086	14.64
48	15	15	641666	3624.99	CP-OFDM 64 QAM	79@0	14.1	14.58
48	15	15	641666	3624.99	CP-OFDM 256 QAM	79@0	14.081	14.66
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	18.873	19.61
48	15	20	641666	3624.99	CP-OFDM 16 QAM	106@0	18.916	19.73
48	15	20	641666	3624.99	CP-OFDM 64 QAM	106@0	18.952	19.55
48	15	20	641666	3624.99	CP-OFDM 256 QAM	106@0	18.868	19.67
48	15	30	641666	3624.99	CP-OFDM QPSK	160@0	28.48	29.5
48	15	30	641666	3624.99	CP-OFDM 16 QAM	160@0	28.588	29.49
48	15	30	641666	3624.99	CP-OFDM 64 QAM	160@0	28.551	29.5
48	15	30	641666	3624.99	CP-OFDM 256 QAM	160@0	28.544	29.44
48	15	40	641666	3624.99	CP-OFDM QPSK	216@0	38.557	39.8
48	15	40	641666	3624.99	CP-OFDM 16 QAM	216@0	38.482	39.87
48	15	40	641666	3624.99	CP-OFDM 64 QAM	216@0	38.477	39.81
48	15	40	641666	3624.99	CP-OFDM 256 QAM	216@0	38.504	39.84



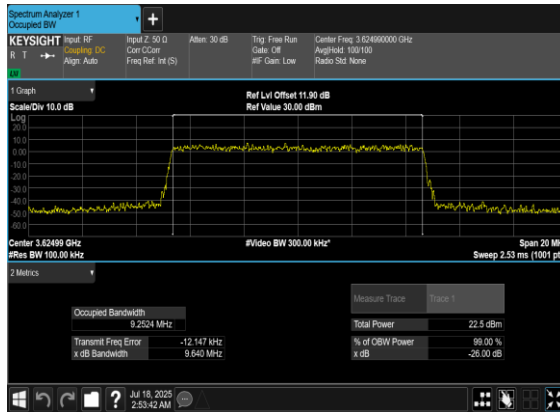
N48(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



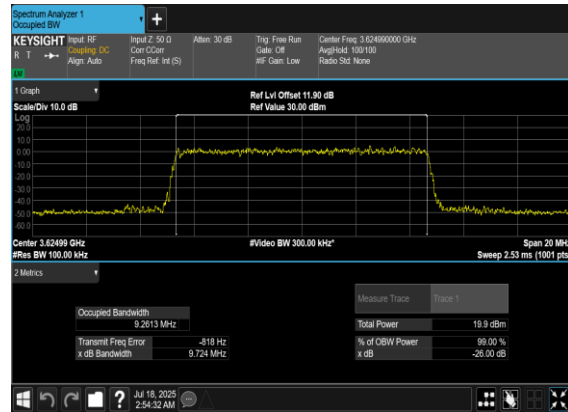
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QAM_Outer_Full_Mid_CH



N48(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

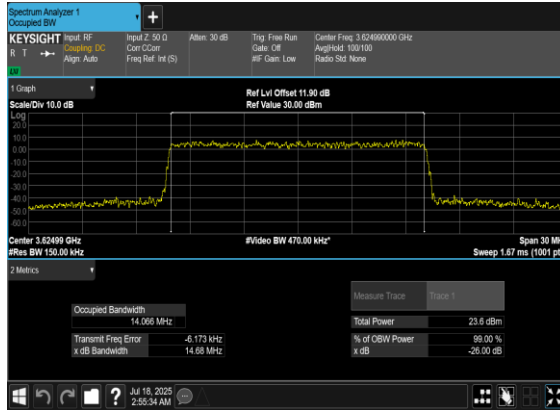


N48(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

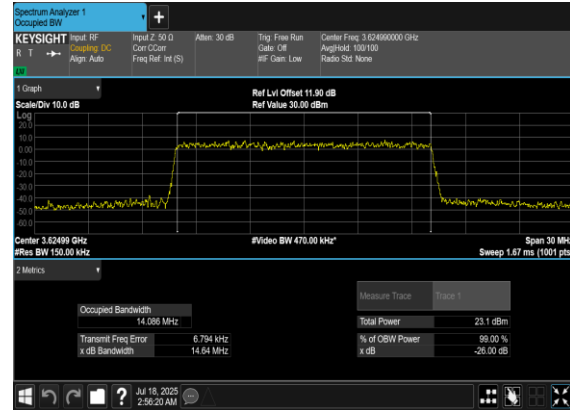




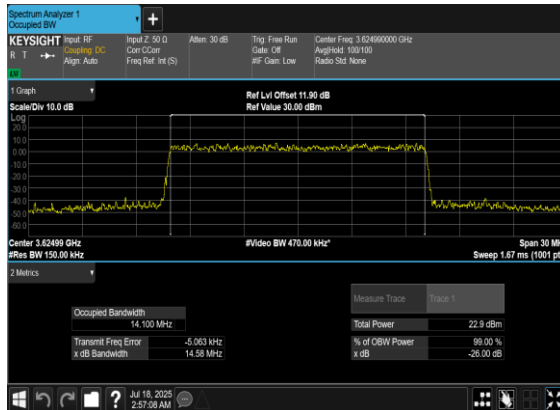
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OFDM_QPSK_Outer_Full_Mid_CH



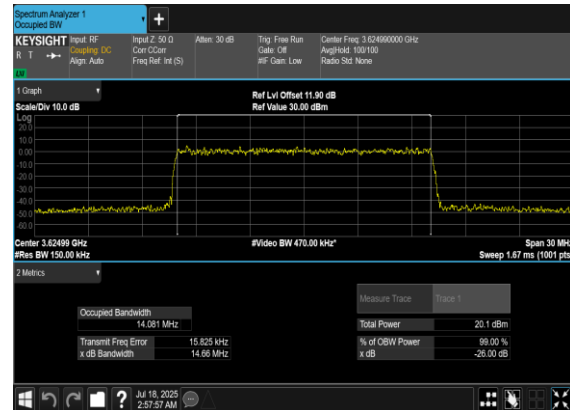
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QAM_Outer_Full_Mid_CH



N48(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

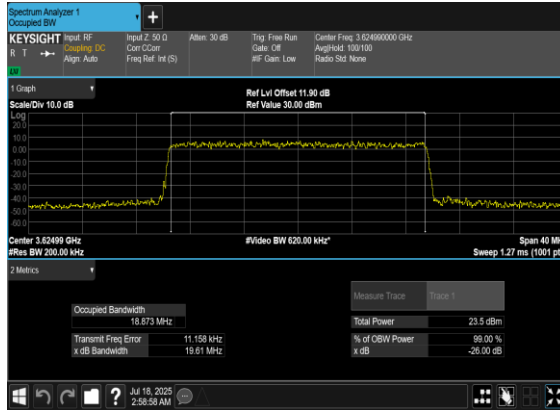


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QAM_Outer_Full_Mid_CH

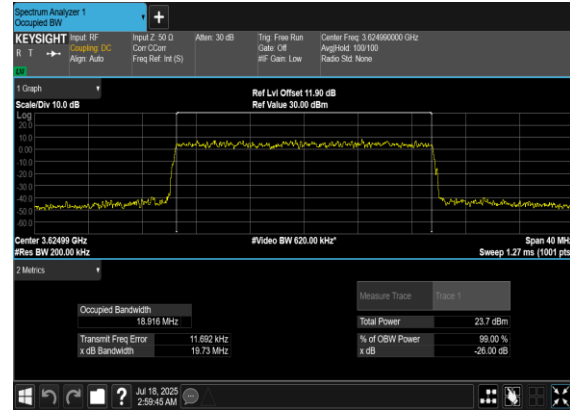




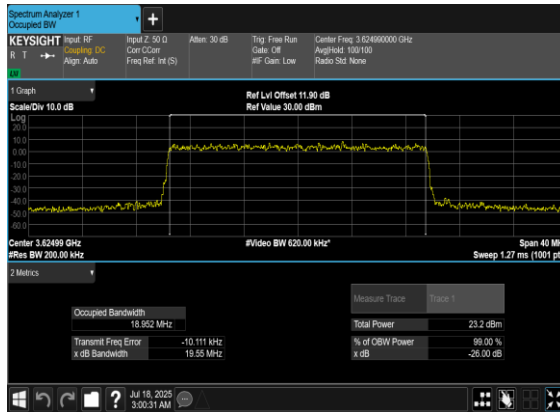
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OFDM_QPSK_Outer_Full_Mid_CH



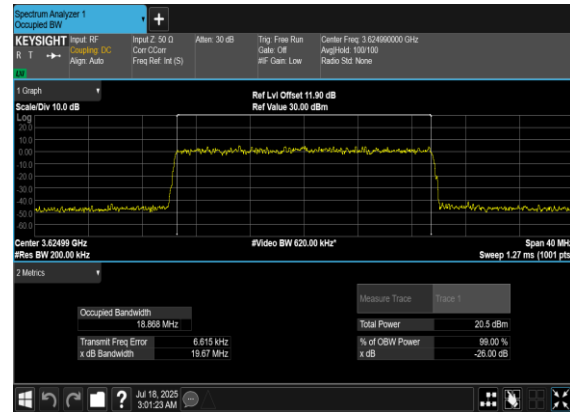
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QAM_Outer_Full_Mid_CH



N48(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

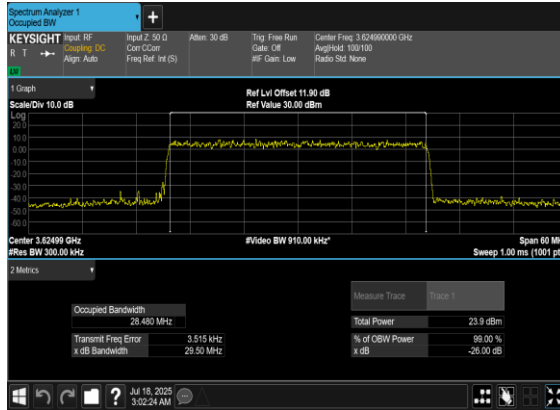


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QAM_Outer_Full_Mid_CH

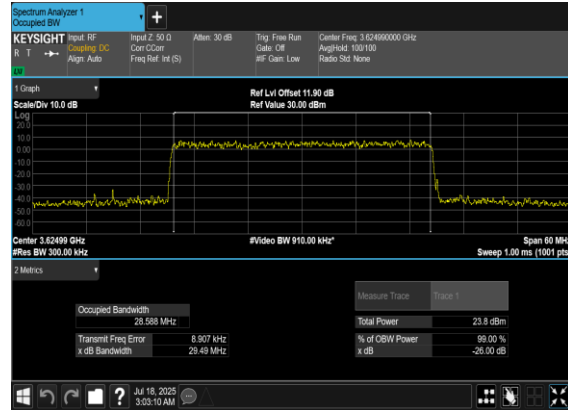




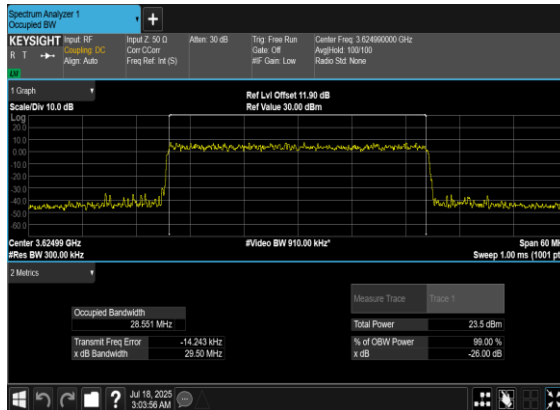
N48(30M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



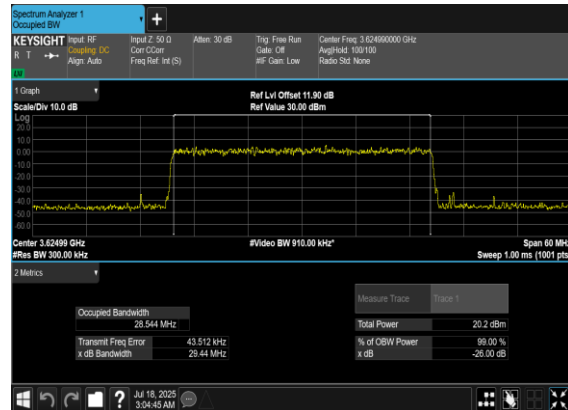
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QAM_Outer_Full_Mid_CH



N48(30M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

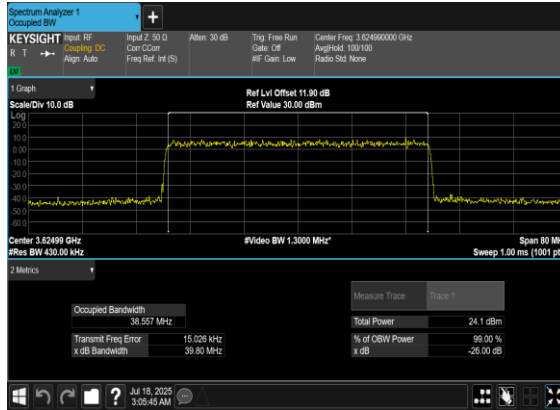


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QAM_Outer_Full_Mid_CH

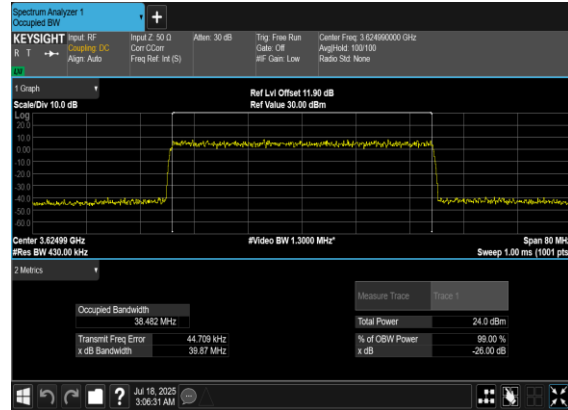




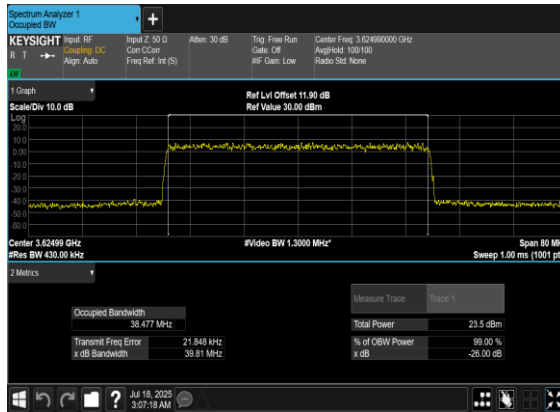
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OFDM_QPSK_Outer_Full_Mid_CH



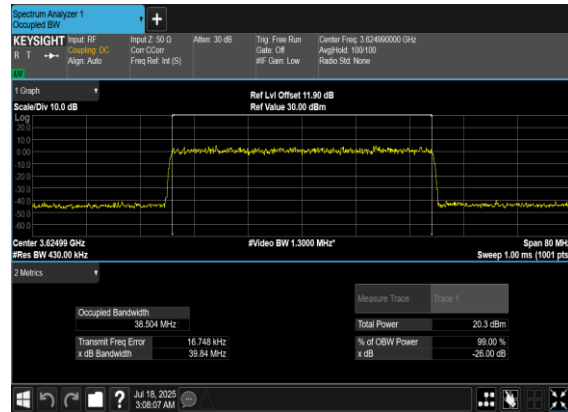
N48(40M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N48(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N48(40M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH





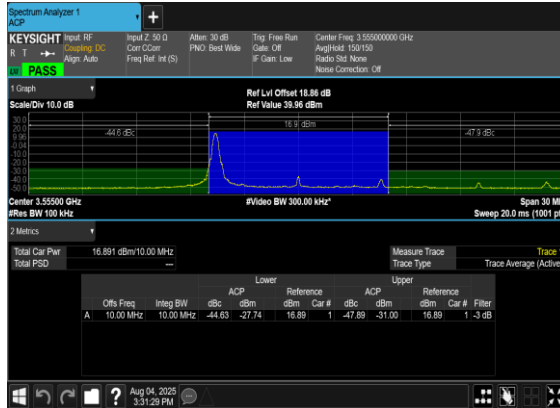
Adjacent Channel Leakage Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Lower Margin	Upper Margin	Result	Verdict
48	15	10	637000	3555.0	CP-OFDM QPSK	1@0	-14.63	-17.89	see graph	PASS
48	15	10	637000	3555.0	CP-OFDM QPSK	1@51	-18.45	-15.94	see graph	PASS
48	15	10	637000	3555.0	CP-OFDM QPSK	52@0	-17.92	-17.89	see graph	PASS
48	15	10	641666	3624.99	CP-OFDM QPSK	1@0	-14.53	-16.64	see graph	PASS
48	15	10	641666	3624.99	CP-OFDM QPSK	1@51	-17.22	-15.5	see graph	PASS
48	15	10	641666	3624.99	CP-OFDM QPSK	52@0	-15.91	-15.71	see graph	PASS
48	15	10	646332	3694.98	CP-OFDM QPSK	1@0	-14.4	-15.98	see graph	PASS
48	15	10	646332	3694.98	CP-OFDM QPSK	1@51	-15.98	-14.21	see graph	PASS
48	15	10	646332	3694.98	CP-OFDM QPSK	52@0	-15.03	-15.04	see graph	PASS
48	15	20	637334	3560.01	CP-OFDM QPSK	1@0	-14.65	-15.48	see graph	PASS
48	15	20	637334	3560.01	CP-OFDM QPSK	1@105	-17.21	-15.92	see graph	PASS
48	15	20	637334	3560.01	CP-OFDM QPSK	106@0	-15.96	-15.57	see graph	PASS
48	15	20	641666	3624.99	CP-OFDM QPSK	1@0	-12.01	-12.12	see graph	PASS
48	15	20	641666	3624.99	CP-OFDM QPSK	1@105	-12.82	-12.06	see graph	PASS
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	-14.1	-13.65	see graph	PASS
48	15	20	646000	3690.0	CP-OFDM QPSK	1@0	-12.33	-12.34	see graph	PASS
48	15	20	646000	3690.0	CP-OFDM QPSK	1@105	-13.27	-12.51	see graph	PASS
48	15	20	646000	3690.0	CP-OFDM QPSK	106@0	-12.33	-12.17	see graph	PASS
48	15	40	638000	3570.0	CP-OFDM QPSK	1@0	-10.28	-10.69	see graph	PASS
48	15	40	638000	3570.0	CP-OFDM QPSK	1@215	-10.58	-9.2	see graph	PASS

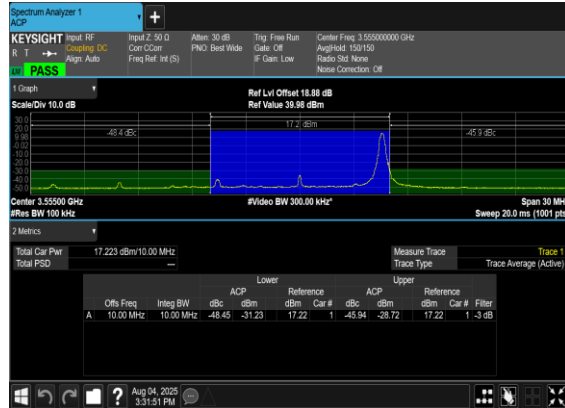


48	15	40	638000	3570.0	CP-OFDM QPSK	216@0	-11.48	-10.9	see graph	PASS
48	15	40	641666	3624.99	CP-OFDM QPSK	1@0	-11.11	-11.9	see graph	PASS
48	15	40	641666	3624.99	CP-OFDM QPSK	1@215	-11.71	-9.98	see graph	PASS
48	15	40	641666	3624.99	CP-OFDM QPSK	216@0	-11.66	-10.79	see graph	PASS
48	15	40	645332	3679.98	CP-OFDM QPSK	1@0	-10.04	-10.82	see graph	PASS
48	15	40	645332	3679.98	CP-OFDM QPSK	1@215	-11.03	-9.36	see graph	PASS
48	15	40	645332	3679.98	CP-OFDM QPSK	216@0	-10.93	-10.11	see graph	PASS

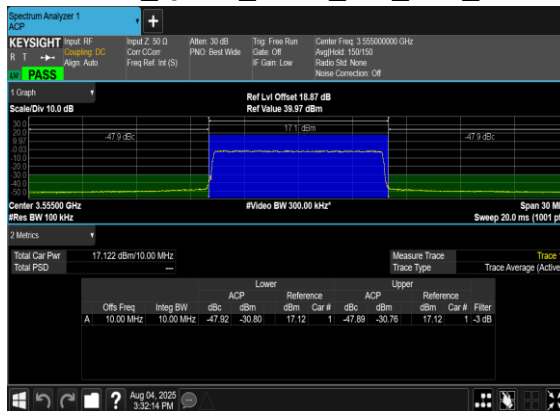
N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



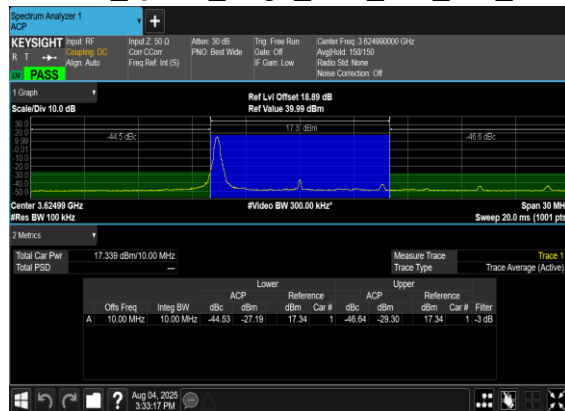
N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Right_Low_CH



N48(10M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

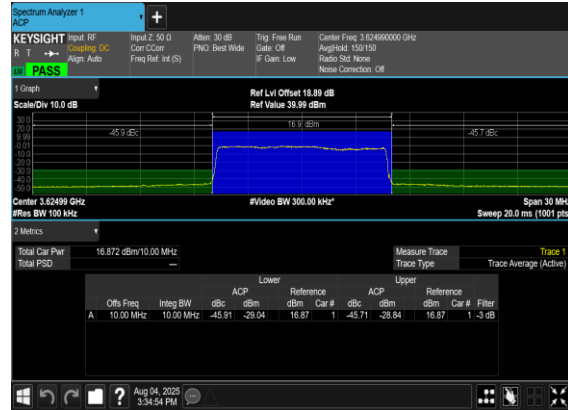




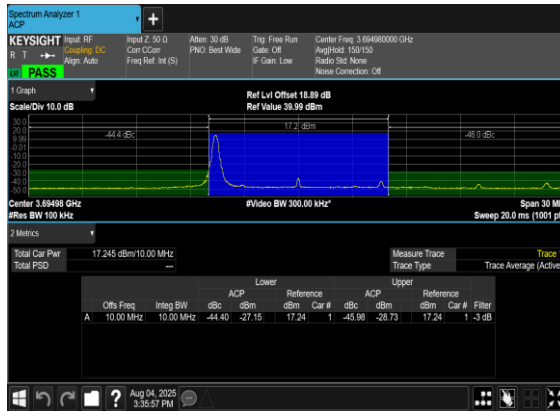
N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Right_Mid_CH



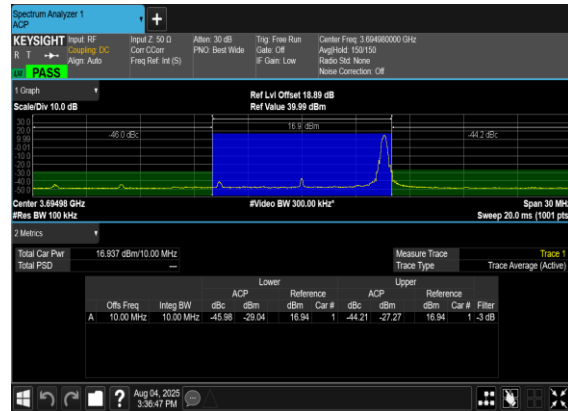
N48(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

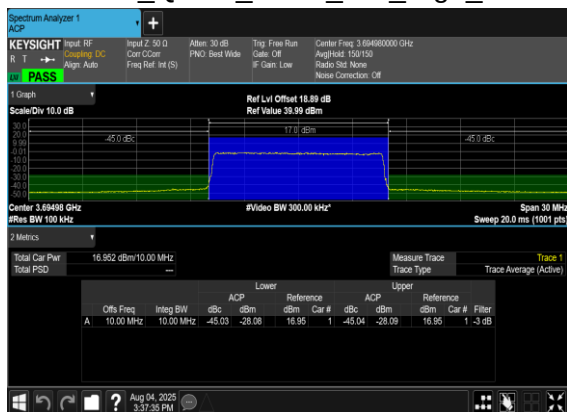


N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH

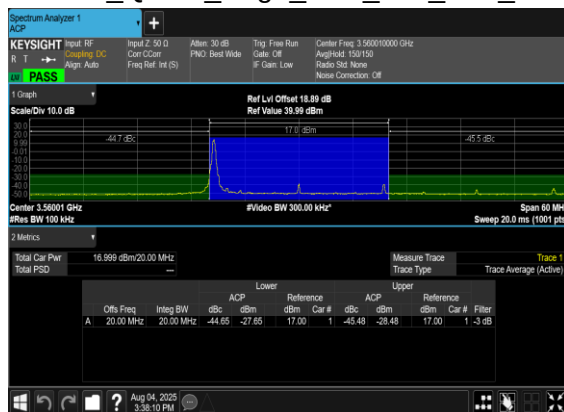




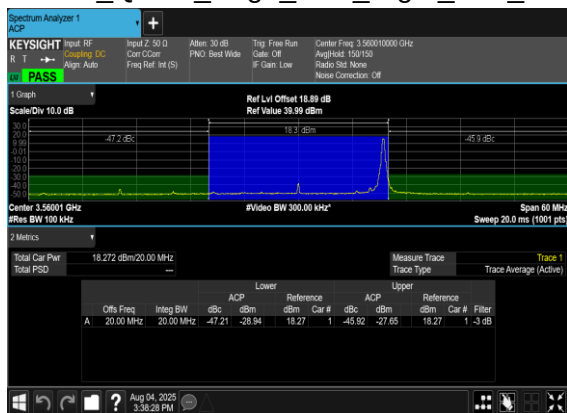
N48(10M)_CP-
OFDM_QPSK_Outer_Full_High_CH



N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Right_Low_CH



N48(20M)_CP-
OFDM_QPSK_Outer_Full_Low_CH

