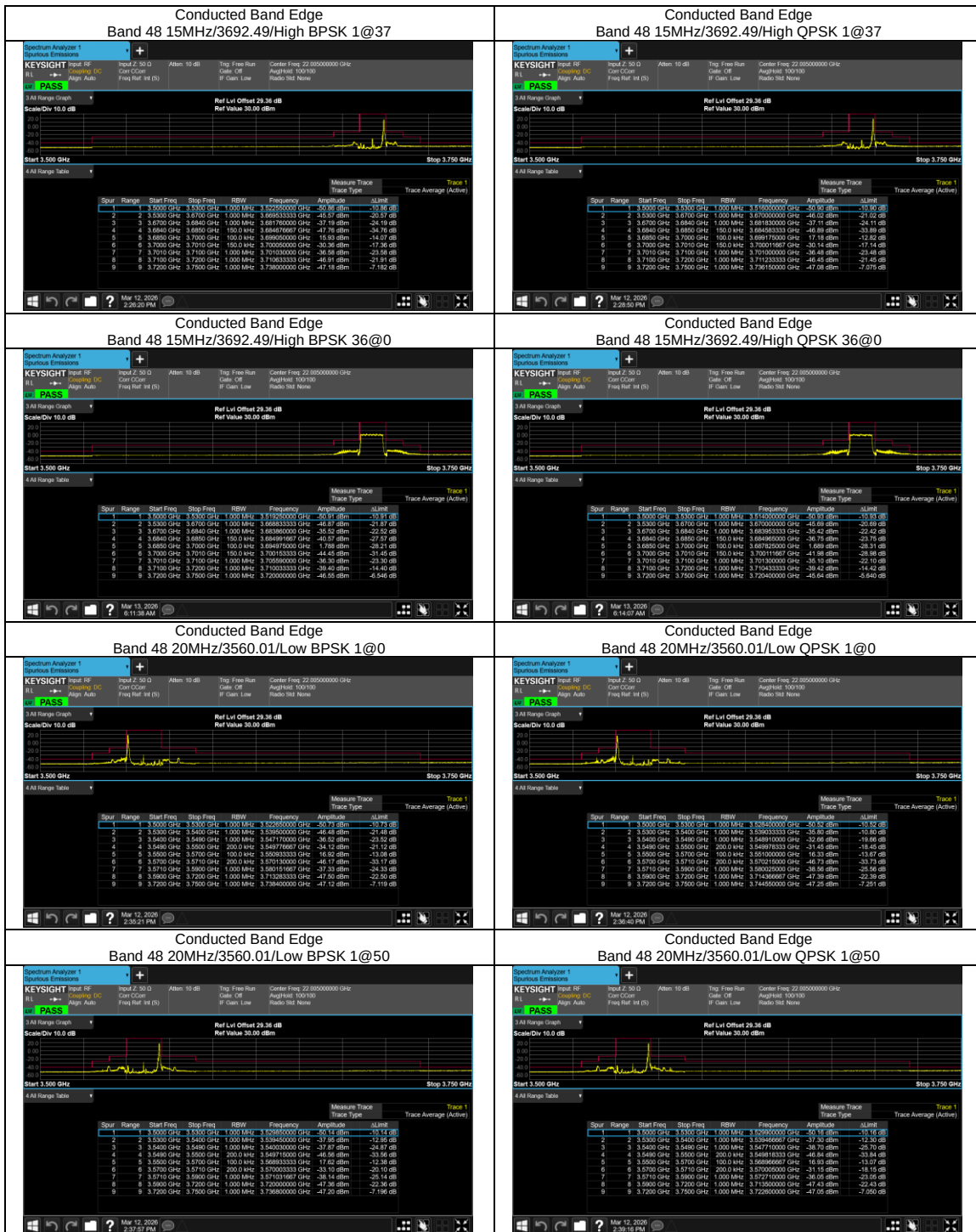
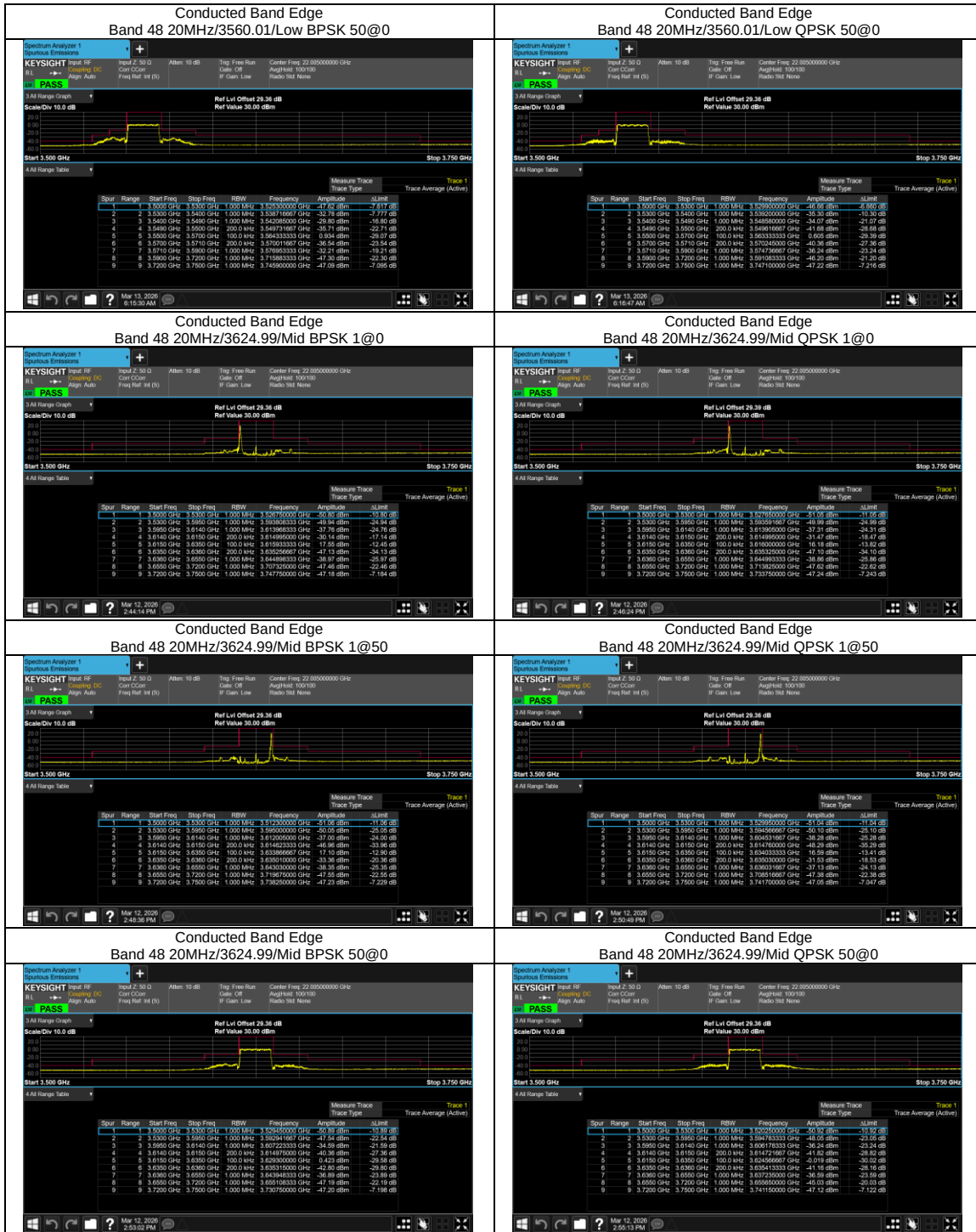
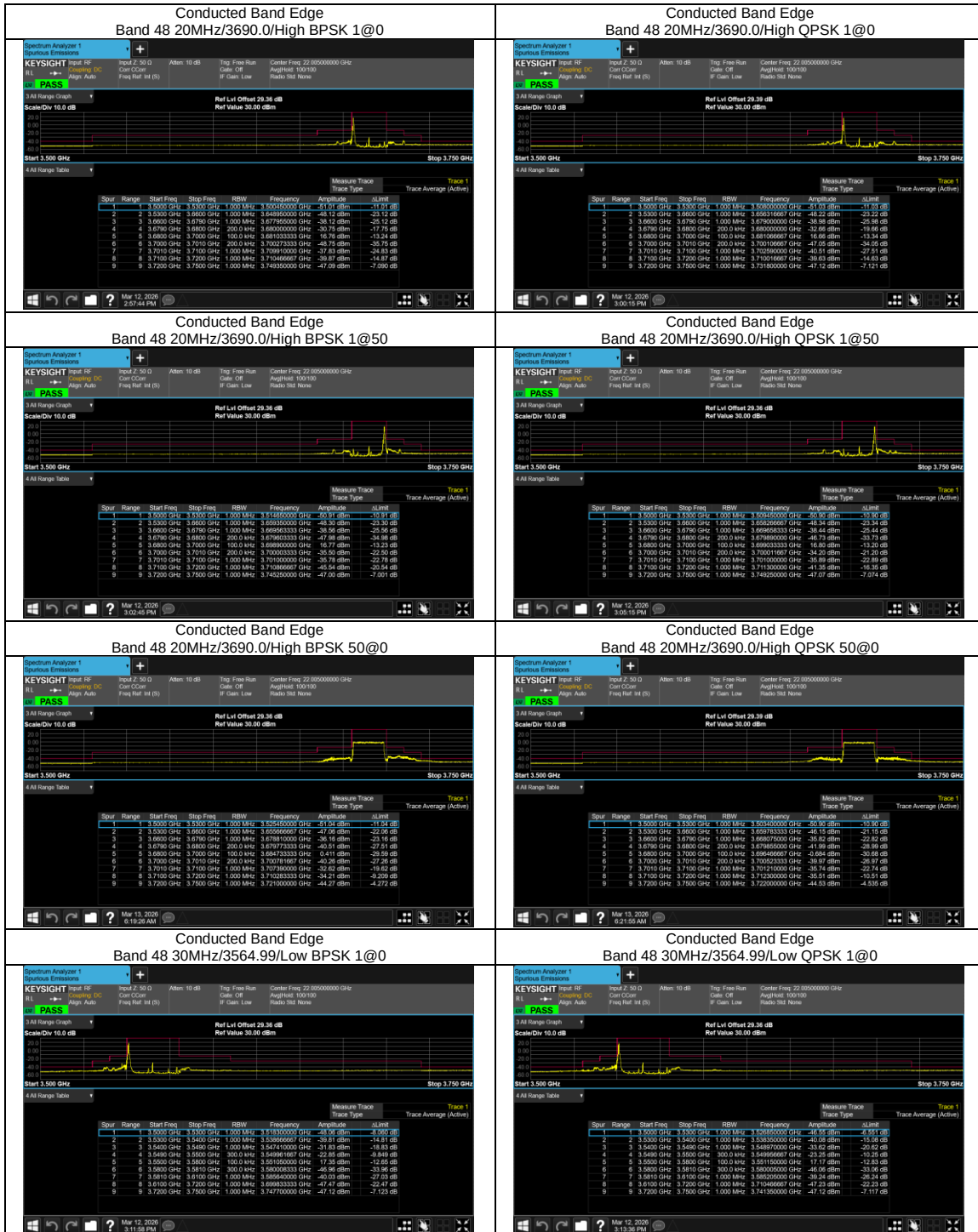




















Software Version: 23.06.1602

FR1 N48 MIMO-ANT7+5

Transmitter Conducted Output Power And EIRP, (GT - LC)=-0.88 dB

NR Band	SCS	Band Width	Arfcn	Freq(MHz)	Modulation	RB	ANT7 Power(dBm)	ANT5 Power(dBm)	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
48	30	10	637000	3555	DFT-s-OFDM QPSK	1@1	20.18	20.44	23.32	22.44	0.1755
48	30	10	637000	3555	DFT-s-OFDM QPSK	1@0	19.16	19.41	22.30	21.42	0.1386
48	30	10	637000	3555	DFT-s-OFDM QPSK	1@22	20.13	20.37	23.26	22.38	0.1731
48	30	10	637000	3555	DFT-s-OFDM QPSK	2@0	19.23	19.45	22.35	21.47	0.1403
48	30	10	637000	3555	DFT-s-OFDM QPSK	12@6	20.13	20.41	23.28	22.40	0.1739
48	30	10	637000	3555	DFT-s-OFDM QPSK	2@22	19.18	19.37	22.29	21.41	0.1382
48	30	10	637000	3555	DFT-s-OFDM QPSK	24@0	18.12	18.45	21.30	20.42	0.1101
48	30	10	637000	3555	DFT-s-OFDM 16 QAM	1@1	19.17	19.43	22.31	21.43	0.1391
48	30	10	637000	3555	DFT-s-OFDM 16 QAM	24@0	18.17	18.52	21.36	20.48	0.1117
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	1@1	20.37	20.44	23.42	22.54	0.1793
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	1@0	19.37	19.45	22.42	21.54	0.1426
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	1@22	20.45	20.42	23.45	22.57	0.1805
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	2@0	19.44	19.54	22.50	21.62	0.1452
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	12@6	20.40	20.44	23.43	22.55	0.1799
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	2@22	19.47	19.45	22.47	21.59	0.1442
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	24@0	18.39	18.45	21.43	20.55	0.1135
48	30	10	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	19.36	19.51	22.45	21.57	0.1434
48	30	10	641666	3624.99	DFT-s-OFDM 16 QAM	24@0	18.44	18.51	21.49	20.61	0.1150
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	1@1	20.47	20.37	23.43	22.55	0.1799
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	1@0	19.41	19.39	22.41	21.53	0.1422
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	1@22	20.40	20.48	23.45	22.57	0.1807
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	2@0	19.49	19.49	22.50	21.62	0.1452
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	12@6	20.44	20.47	23.47	22.59	0.1814
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	2@22	19.44	19.53	22.50	21.62	0.1451
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	24@0	18.39	18.34	21.38	20.50	0.1121
48	30	10	646332	3694.98	DFT-s-OFDM 16 QAM	1@1	19.42	19.43	22.44	21.56	0.1431
48	30	10	646332	3694.98	DFT-s-OFDM 16 QAM	24@0	18.53	18.42	21.49	20.61	0.1150
48	30	15	637168	3557.52	DFT-s-OFDM QPSK	1@1	20.16	20.43	23.31	22.43	0.1749
48	30	15	637168	3557.52	DFT-s-OFDM QPSK	1@0	19.16	19.40	22.29	21.41	0.1384
48	30	15	637168	3557.52	DFT-s-OFDM QPSK	1@36	20.10	20.36	23.24	22.36	0.1723
48	30	15	637168	3557.52	DFT-s-OFDM QPSK	2@0	19.21	19.45	22.34	21.46	0.1400
48	30	15	637168	3557.52	DFT-s-OFDM QPSK	18@9	20.14	20.41	23.29	22.41	0.1741
48	30	15	637168	3557.52	DFT-s-OFDM QPSK	2@36	19.14	19.36	22.26	21.38	0.1375
48	30	15	637168	3557.52	DFT-s-OFDM QPSK	36@0	18.13	18.42	21.29	20.41	0.1098



48	30	15	637168	3557.52	DFT-s-OFDM 16 QAM	1@1	19.22	19.41	22.33	21.45	0.1395
48	30	15	637168	3557.52	DFT-s-OFDM 16 QAM	36@0	18.11	18.46	21.30	20.42	0.1101
48	30	15	641666	3624.99	DFT-s-OFDM QPSK	1@1	20.35	20.49	23.43	22.55	0.1799
48	30	15	641666	3624.99	DFT-s-OFDM QPSK	1@0	19.36	19.50	22.44	21.56	0.1432
48	30	15	641666	3624.99	DFT-s-OFDM QPSK	1@36	20.41	20.42	23.43	22.55	0.1797
48	30	15	641666	3624.99	DFT-s-OFDM QPSK	2@0	19.42	19.55	22.50	21.62	0.1451
48	30	15	641666	3624.99	DFT-s-OFDM QPSK	18@9	20.44	20.45	23.46	22.58	0.1809
48	30	15	641666	3624.99	DFT-s-OFDM QPSK	2@36	19.41	19.42	22.43	21.55	0.1427
48	30	15	641666	3624.99	DFT-s-OFDM QPSK	36@0	18.40	18.45	21.44	20.56	0.1136
48	30	15	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	19.32	19.44	22.39	21.51	0.1416
48	30	15	641666	3624.99	DFT-s-OFDM 16 QAM	36@0	18.39	18.44	21.43	20.55	0.1134
48	30	15	646166	3692.49	DFT-s-OFDM QPSK	1@1	20.40	20.41	23.42	22.54	0.1793
48	30	15	646166	3692.49	DFT-s-OFDM QPSK	1@0	19.40	19.37	22.40	21.52	0.1418
48	30	15	646166	3692.49	DFT-s-OFDM QPSK	1@36	20.38	20.43	23.42	22.54	0.1793
48	30	15	646166	3692.49	DFT-s-OFDM QPSK	2@0	19.46	19.44	22.46	21.58	0.1439
48	30	15	646166	3692.49	DFT-s-OFDM QPSK	18@9	20.42	20.49	23.47	22.59	0.1814
48	30	15	646166	3692.49	DFT-s-OFDM QPSK	2@36	19.42	19.52	22.48	21.60	0.1446
48	30	15	646166	3692.49	DFT-s-OFDM QPSK	36@0	18.45	18.33	21.40	20.52	0.1127
48	30	15	646166	3692.49	DFT-s-OFDM 16 QAM	1@1	19.41	19.36	22.40	21.52	0.1418
48	30	15	646166	3692.49	DFT-s-OFDM 16 QAM	36@0	18.43	18.33	21.39	20.51	0.1125
48	30	20	637334	3560.01	DFT-s-OFDM PI/2 BPSK	1@1	20.19	20.46	23.34	22.46	0.1761
48	30	20	637334	3560.01	DFT-s-OFDM PI/2 BPSK	1@0	19.69	19.98	22.85	21.97	0.1573
48	30	20	637334	3560.01	DFT-s-OFDM PI/2 BPSK	1@49	20.11	20.36	23.25	22.37	0.1725
48	30	20	637334	3560.01	DFT-s-OFDM PI/2 BPSK	2@0	19.72	19.99	22.87	21.99	0.1580
48	30	20	637334	3560.01	DFT-s-OFDM PI/2 BPSK	25@12	20.13	20.43	23.29	22.41	0.1743
48	30	20	637334	3560.01	DFT-s-OFDM PI/2 BPSK	2@49	19.69	19.90	22.81	21.93	0.1558
48	30	20	637334	3560.01	DFT-s-OFDM PI/2 BPSK	50@0	18.70	18.99	21.86	20.98	0.1252
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@1	20.18	20.49	23.35	22.47	0.1765
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@0	19.21	19.48	22.36	21.48	0.1405
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@49	20.16	20.42	23.30	22.42	0.1747
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	2@0	19.22	19.50	22.37	21.49	0.1410
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	25@12	20.14	20.43	23.30	22.42	0.1745
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	2@49	19.16	19.39	22.29	21.41	0.1383
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	50@0	18.16	18.50	21.34	20.46	0.1113
48	30	20	637334	3560.01	DFT-s-OFDM 16 QAM	1@1	19.18	19.40	22.30	21.42	0.1387
48	30	20	637334	3560.01	DFT-s-OFDM 64 QAM	1@1	17.96	18.10	21.04	20.16	0.1038
48	30	20	637334	3560.01	DFT-s-OFDM 256 QAM	1@1	15.77	15.91	18.85	17.97	0.0627
48	30	20	637334	3560.01	DFT-s-OFDM 16 QAM	50@0	18.10	18.46	21.29	20.41	0.1100
48	30	20	637334	3560.01	DFT-s-OFDM 64 QAM	50@0	17.75	17.93	20.85	19.97	0.0993
48	30	20	637334	3560.01	DFT-s-OFDM 256 QAM	50@0	15.80	15.97	18.90	18.02	0.0633
48	30	20	637334	3560.01	CP-OFDM QPSK	1@1	18.74	19.12	21.94	21.06	0.1278
48	30	20	637334	3560.01	CP-OFDM 16 QAM	1@1	18.29	18.69	21.50	20.62	0.1155



48	30	20	637334	3560.01	CP-OFDM 64 QAM	1@1	16.61	16.82	19.73	18.85	0.0767
48	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@1	20.38	20.55	23.48	22.60	0.1818
48	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@0	19.86	20.05	22.97	22.09	0.1617
48	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@49	20.36	20.42	23.40	22.52	0.1787
48	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	2@0	19.91	20.07	23.00	22.12	0.1630
48	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	25@12	20.42	20.45	23.45	22.57	0.1805
48	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	2@49	19.91	19.99	22.96	22.08	0.1615
48	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	50@0	18.94	18.99	21.98	21.10	0.1287
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@1	20.36	20.53	23.46	22.58	0.1810
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@0	19.35	19.55	22.46	21.58	0.1439
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@49	20.39	20.42	23.42	22.54	0.1793
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	2@0	19.42	19.56	22.50	21.62	0.1452
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	25@12	20.42	20.50	23.47	22.59	0.1816
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	2@49	19.43	19.44	22.45	21.57	0.1434
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	18.44	18.48	21.47	20.59	0.1146
48	30	20	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	19.26	19.52	22.40	21.52	0.1420
48	30	20	641666	3624.99	DFT-s-OFDM 64 QAM	1@1	18.23	18.09	21.17	20.29	0.1069
48	30	20	641666	3624.99	DFT-s-OFDM 256 QAM	1@1	15.97	15.95	18.97	18.09	0.0644
48	30	20	641666	3624.99	DFT-s-OFDM 16 QAM	50@0	18.40	18.44	21.43	20.55	0.1135
48	30	20	641666	3624.99	DFT-s-OFDM 64 QAM	50@0	18.10	17.91	21.02	20.14	0.1032
48	30	20	641666	3624.99	DFT-s-OFDM 256 QAM	50@0	16.13	15.94	19.05	18.17	0.0656
48	30	20	641666	3624.99	CP-OFDM QPSK	1@1	18.88	19.07	21.99	21.11	0.1290
48	30	20	641666	3624.99	CP-OFDM 16 QAM	1@1	18.38	18.57	21.49	20.61	0.1150
48	30	20	641666	3624.99	CP-OFDM 64 QAM	1@1	16.91	16.88	19.91	19.03	0.0799
48	30	20	646000	3690	DFT-s-OFDM PI/2 BPSK	1@1	20.38	20.38	23.39	22.51	0.1783
48	30	20	646000	3690	DFT-s-OFDM PI/2 BPSK	1@0	19.92	19.90	22.92	22.04	0.1600
48	30	20	646000	3690	DFT-s-OFDM PI/2 BPSK	1@49	20.37	20.43	23.41	22.53	0.1791
48	30	20	646000	3690	DFT-s-OFDM PI/2 BPSK	2@0	19.93	19.95	22.95	22.07	0.1611
48	30	20	646000	3690	DFT-s-OFDM PI/2 BPSK	25@12	20.41	20.49	23.46	22.58	0.1812
48	30	20	646000	3690	DFT-s-OFDM PI/2 BPSK	2@49	19.94	20.05	23.01	22.13	0.1631
48	30	20	646000	3690	DFT-s-OFDM PI/2 BPSK	50@0	18.99	18.88	21.95	21.07	0.1278
48	30	20	646000	3690	DFT-s-OFDM QPSK	1@1	20.41	20.42	23.43	22.55	0.1797
48	30	20	646000	3690	DFT-s-OFDM QPSK	1@0	19.43	19.42	22.44	21.56	0.1431
48	30	20	646000	3690	DFT-s-OFDM QPSK	1@49	20.40	20.48	23.45	22.57	0.1807
48	30	20	646000	3690	DFT-s-OFDM QPSK	2@0	19.45	19.47	22.47	21.59	0.1442
48	30	20	646000	3690	DFT-s-OFDM QPSK	25@12	20.45	20.44	23.46	22.58	0.1809
48	30	20	646000	3690	DFT-s-OFDM QPSK	2@49	19.43	19.50	22.48	21.60	0.1444
48	30	20	646000	3690	DFT-s-OFDM QPSK	50@0	18.45	18.39	21.43	20.55	0.1135
48	30	20	646000	3690	DFT-s-OFDM 16 QAM	1@1	19.39	19.40	22.41	21.53	0.1421
48	30	20	646000	3690	DFT-s-OFDM 64 QAM	1@1	18.27	17.99	21.14	20.26	0.1062
48	30	20	646000	3690	DFT-s-OFDM 256 QAM	1@1	15.98	15.77	18.89	18.01	0.0632
48	30	20	646000	3690	DFT-s-OFDM 16 QAM	50@0	18.38	18.36	21.38	20.50	0.1122



48	30	20	646000	3690	DFT-s-OFDM 64 QAM	50@0	18.12	17.80	20.97	20.09	0.1022
48	30	20	646000	3690	DFT-s-OFDM 256 QAM	50@0	16.11	15.87	19.00	18.12	0.0649
48	30	20	646000	3690	CP-OFDM QPSK	1@1	18.94	18.94	21.95	21.07	0.1279
48	30	20	646000	3690	CP-OFDM 16 QAM	1@1	18.56	18.56	21.57	20.69	0.1172
48	30	20	646000	3690	CP-OFDM 64 QAM	1@1	16.84	16.61	19.74	18.86	0.0769
48	30	30	637668	3565.02	DFT-s-OFDM QPSK	1@1	20.11	20.42	23.28	22.40	0.1737
48	30	30	637668	3565.02	DFT-s-OFDM QPSK	1@0	19.13	19.46	22.31	21.43	0.1389
48	30	30	637668	3565.02	DFT-s-OFDM QPSK	1@76	20.11	20.30	23.22	22.34	0.1713
48	30	30	637668	3565.02	DFT-s-OFDM QPSK	2@0	19.17	19.46	22.33	21.45	0.1396
48	30	30	637668	3565.02	DFT-s-OFDM QPSK	36@18	20.09	20.37	23.24	22.36	0.1723
48	30	30	637668	3565.02	DFT-s-OFDM QPSK	2@76	19.20	19.33	22.28	21.40	0.1379
48	30	30	637668	3565.02	DFT-s-OFDM QPSK	75@0	18.11	18.45	21.29	20.41	0.1100
48	30	30	637668	3565.02	DFT-s-OFDM 16 QAM	1@1	19.08	19.41	22.26	21.38	0.1374
48	30	30	637668	3565.02	DFT-s-OFDM 16 QAM	75@0	18.05	18.41	21.24	20.36	0.1087
48	30	30	641666	3624.99	DFT-s-OFDM QPSK	1@1	20.30	20.50	23.41	22.53	0.1791
48	30	30	641666	3624.99	DFT-s-OFDM QPSK	1@0	19.31	19.51	22.42	21.54	0.1426
48	30	30	641666	3624.99	DFT-s-OFDM QPSK	1@76	20.28	20.37	23.34	22.46	0.1760
48	30	30	641666	3624.99	DFT-s-OFDM QPSK	2@0	19.38	19.59	22.50	21.62	0.1451
48	30	30	641666	3624.99	DFT-s-OFDM QPSK	36@18	20.39	20.45	23.43	22.55	0.1799
48	30	30	641666	3624.99	DFT-s-OFDM QPSK	2@76	19.34	19.39	22.38	21.50	0.1411
48	30	30	641666	3624.99	DFT-s-OFDM QPSK	75@0	18.36	18.46	21.42	20.54	0.1133
48	30	30	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	19.29	19.54	22.43	21.55	0.1428
48	30	30	641666	3624.99	DFT-s-OFDM 16 QAM	75@0	18.34	18.44	21.40	20.52	0.1127
48	30	30	645666	3684.99	DFT-s-OFDM QPSK	1@1	20.22	20.35	23.30	22.42	0.1744
48	30	30	645666	3684.99	DFT-s-OFDM QPSK	1@0	19.20	19.44	22.33	21.45	0.1397
48	30	30	645666	3684.99	DFT-s-OFDM QPSK	1@76	20.23	20.31	23.28	22.40	0.1738
48	30	30	645666	3684.99	DFT-s-OFDM QPSK	2@0	19.23	19.49	22.37	21.49	0.1410
48	30	30	645666	3684.99	DFT-s-OFDM QPSK	36@18	20.26	20.34	23.31	22.43	0.1750
48	30	30	645666	3684.99	DFT-s-OFDM QPSK	2@76	19.26	19.39	22.34	21.46	0.1398
48	30	30	645666	3684.99	DFT-s-OFDM QPSK	75@0	18.26	18.32	21.30	20.42	0.1102
48	30	30	645666	3684.99	DFT-s-OFDM 16 QAM	1@1	19.22	19.45	22.35	21.47	0.1402
48	30	30	645666	3684.99	DFT-s-OFDM 16 QAM	75@0	18.24	18.29	21.28	20.40	0.1095
48	30	40	638000	3570	DFT-s-OFDM PI/2 BPSK	1@1	20.12	20.41	23.28	22.40	0.1737
48	30	40	638000	3570	DFT-s-OFDM PI/2 BPSK	1@0	19.56	19.96	22.77	21.89	0.1547
48	30	40	638000	3570	DFT-s-OFDM PI/2 BPSK	1@104	20.05	20.29	23.18	22.30	0.1699
48	30	40	638000	3570	DFT-s-OFDM PI/2 BPSK	2@0	19.67	19.95	22.82	21.94	0.1564
48	30	40	638000	3570	DFT-s-OFDM PI/2 BPSK	50@25	20.14	20.39	23.28	22.40	0.1737
48	30	40	638000	3570	DFT-s-OFDM PI/2 BPSK	2@104	19.64	19.77	22.72	21.84	0.1526
48	30	40	638000	3570	DFT-s-OFDM PI/2 BPSK	100@0	18.64	18.98	21.82	20.94	0.1243
48	30	40	638000	3570	DFT-s-OFDM QPSK	1@1	20.10	20.44	23.28	22.40	0.1739
48	30	40	638000	3570	DFT-s-OFDM QPSK	1@0	19.14	19.40	22.28	21.40	0.1381
48	30	40	638000	3570	DFT-s-OFDM QPSK	1@104	20.06	20.25	23.17	22.29	0.1693



48	30	40	638000	3570	DFT-s-OFDM QPSK	2@0	19.14	19.44	22.30	21.42	0.1388
48	30	40	638000	3570	DFT-s-OFDM QPSK	50@25	20.10	20.37	23.25	22.37	0.1725
48	30	40	638000	3570	DFT-s-OFDM QPSK	2@104	19.14	19.31	22.24	21.36	0.1367
48	30	40	638000	3570	DFT-s-OFDM QPSK	100@0	18.15	18.47	21.32	20.44	0.1107
48	30	40	638000	3570	DFT-s-OFDM 16 QAM	1@1	19.09	19.42	22.27	21.39	0.1377
48	30	40	638000	3570	DFT-s-OFDM 64 QAM	1@1	17.96	18.15	21.07	20.19	0.1044
48	30	40	638000	3570	DFT-s-OFDM 256 QAM	1@1	15.73	15.98	18.87	17.99	0.0629
48	30	40	638000	3570	DFT-s-OFDM 16 QAM	100@0	18.09	18.46	21.29	20.41	0.1099
48	30	40	638000	3570	DFT-s-OFDM 64 QAM	100@0	17.84	17.96	20.91	20.03	0.1007
48	30	40	638000	3570	DFT-s-OFDM 256 QAM	100@0	15.83	15.96	18.91	18.03	0.0635
48	30	40	638000	3570	CP-OFDM QPSK	1@1	18.62	19.08	21.87	20.99	0.1255
48	30	40	638000	3570	CP-OFDM 16 QAM	1@1	18.09	18.60	21.36	20.48	0.1118
48	30	40	638000	3570	CP-OFDM 64 QAM	1@1	16.66	16.87	19.78	18.90	0.0776
48	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@1	20.27	20.56	23.43	22.55	0.1798
48	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@0	19.76	20.05	22.92	22.04	0.1599
48	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@104	20.18	20.39	23.30	22.42	0.1744
48	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	2@0	19.85	20.09	22.98	22.10	0.1623
48	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	50@25	20.38	20.49	23.45	22.57	0.1805
48	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	2@104	19.74	19.92	22.84	21.96	0.1571
48	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	100@0	18.89	18.99	21.95	21.07	0.1280
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@1	20.28	20.53	23.42	22.54	0.1794
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@0	19.30	19.57	22.45	21.57	0.1435
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@104	20.22	20.34	23.29	22.41	0.1742
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	2@0	19.33	19.57	22.46	21.58	0.1439
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	50@25	20.38	20.44	23.42	22.54	0.1795
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	2@104	19.21	19.37	22.30	21.42	0.1387
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	100@0	18.34	18.47	21.42	20.54	0.1131
48	30	40	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	19.31	19.55	22.44	21.56	0.1433
48	30	40	641666	3624.99	DFT-s-OFDM 64 QAM	1@1	18.15	18.20	21.19	20.31	0.1073
48	30	40	641666	3624.99	DFT-s-OFDM 256 QAM	1@1	15.93	16.00	18.98	18.10	0.0645
48	30	40	641666	3624.99	DFT-s-OFDM 16 QAM	100@0	18.33	18.48	21.42	20.54	0.1131
48	30	40	641666	3624.99	DFT-s-OFDM 64 QAM	100@0	18.04	17.96	21.01	20.13	0.1031
48	30	40	641666	3624.99	DFT-s-OFDM 256 QAM	100@0	16.05	16.02	19.05	18.17	0.0655
48	30	40	641666	3624.99	CP-OFDM QPSK	1@1	18.85	19.16	22.02	21.14	0.1300
48	30	40	641666	3624.99	CP-OFDM 16 QAM	1@1	18.37	18.71	21.55	20.67	0.1168
48	30	40	641666	3624.99	CP-OFDM 64 QAM	1@1	16.79	16.92	19.87	18.99	0.0792
48	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	1@1	20.10	20.56	23.35	22.47	0.1765
48	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	1@0	19.58	20.07	22.84	21.96	0.1571
48	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	1@104	20.16	20.29	23.24	22.36	0.1720
48	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	2@0	19.62	20.09	22.87	21.99	0.1582
48	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	50@25	20.26	20.41	23.35	22.47	0.1764
48	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	2@104	19.71	19.85	22.79	21.91	0.1553



48	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	100@0	18.78	18.90	21.85	20.97	0.1250
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@1	20.08	20.53	23.32	22.44	0.1754
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@0	19.12	19.57	22.36	21.48	0.1406
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@104	20.16	20.24	23.21	22.33	0.1710
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	2@0	19.13	19.61	22.39	21.51	0.1415
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	50@25	20.22	20.42	23.33	22.45	0.1759
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	2@104	19.20	19.36	22.29	21.41	0.1384
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	100@0	18.23	18.40	21.33	20.45	0.1108
48	30	40	645332	3679.98	DFT-s-OFDM 16 QAM	1@1	19.16	19.57	22.38	21.50	0.1413
48	30	40	645332	3679.98	DFT-s-OFDM 64 QAM	1@1	17.99	18.08	21.05	20.17	0.1039
48	30	40	645332	3679.98	DFT-s-OFDM 256 QAM	1@1	15.73	15.99	18.87	17.99	0.0630
48	30	40	645332	3679.98	DFT-s-OFDM 16 QAM	100@0	18.21	18.40	21.32	20.44	0.1106
48	30	40	645332	3679.98	DFT-s-OFDM 64 QAM	100@0	18.05	17.89	20.98	20.10	0.1024
48	30	40	645332	3679.98	DFT-s-OFDM 256 QAM	100@0	16.01	15.90	18.97	18.09	0.0644
48	30	40	645332	3679.98	CP-OFDM QPSK	1@1	18.70	19.09	21.91	21.03	0.1268
48	30	40	645332	3679.98	CP-OFDM 16 QAM	1@1	18.19	18.59	21.40	20.52	0.1128
48	30	40	645332	3679.98	CP-OFDM 64 QAM	1@1	16.69	16.82	19.77	18.89	0.0774

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Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	10.9	PASS	NV
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	15	PASS	LV
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	15.3	PASS	HV
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	11.4	PASS	-30℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	15.1	PASS	-20℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	10.8	PASS	-10℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	16.7	PASS	0℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	13.5	PASS	10℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	10.9	PASS	20℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	13.9	PASS	30℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	16.9	PASS	40℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	15.4	PASS	50℃

$|\text{MAX}(\Delta f)| = 16.9\text{Hz}$

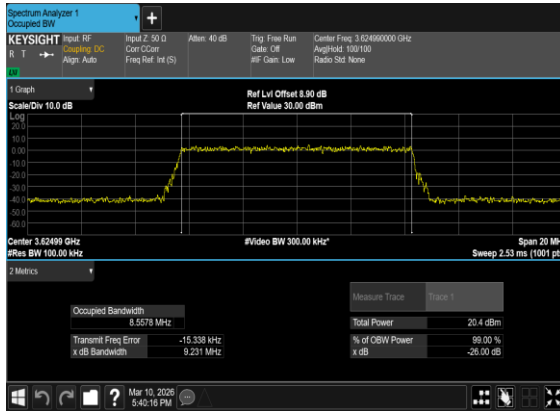
Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	3450.889164	$\geq 3450 \text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	3549.013937	$\leq 3550 \text{ MHz}$	

**Occupied Bandwidth**

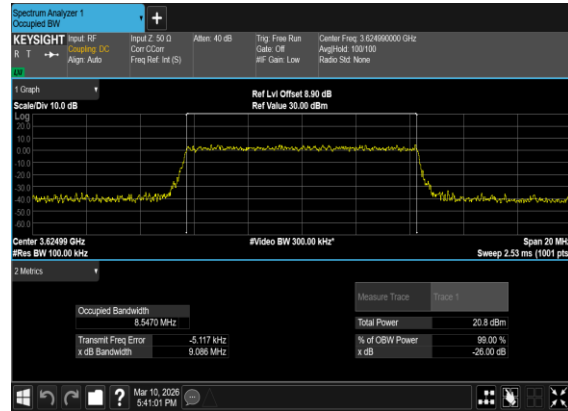
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
48	30	10	641666	3624.99	CP-OFDM QPSK	24@0	8.5578	9.231
48	30	10	641666	3624.99	CP-OFDM 16 QAM	24@0	8.547	9.086
48	30	10	641666	3624.99	CP-OFDM 64 QAM	24@0	8.5748	9.14
48	30	10	641666	3624.99	CP-OFDM 256 QAM	24@0	8.5639	9.224
48	30	15	641666	3624.99	CP-OFDM QPSK	38@0	13.504	14.22
48	30	15	641666	3624.99	CP-OFDM 16 QAM	38@0	13.594	14.31
48	30	15	641666	3624.99	CP-OFDM 64 QAM	38@0	13.613	14.39
48	30	15	641666	3624.99	CP-OFDM 256 QAM	38@0	13.563	14.21
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	18.14	18.94
48	30	20	641666	3624.99	CP-OFDM 16 QAM	51@0	18.152	18.91
48	30	20	641666	3624.99	CP-OFDM 64 QAM	51@0	18.186	19.05
48	30	20	641666	3624.99	CP-OFDM 256 QAM	51@0	18.188	18.91
48	30	30	641666	3624.99	CP-OFDM QPSK	78@0	27.809	28.71
48	30	30	641666	3624.99	CP-OFDM 16 QAM	78@0	27.86	28.93
48	30	30	641666	3624.99	CP-OFDM 64 QAM	78@0	27.816	29.02
48	30	30	641666	3624.99	CP-OFDM 256 QAM	78@0	27.876	28.94
48	30	40	641666	3624.99	CP-OFDM QPSK	106@0	37.861	39.22
48	30	40	641666	3624.99	CP-OFDM 16 QAM	106@0	37.905	39.11
48	30	40	641666	3624.99	CP-OFDM 64 QAM	106@0	37.884	39.24
48	30	40	641666	3624.99	CP-OFDM 256 QAM	106@0	37.89	39.14



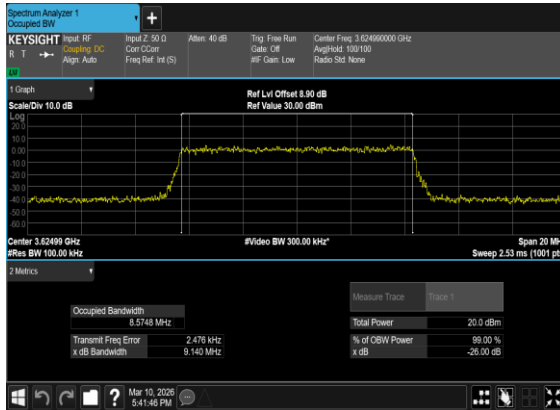
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OFDM_QPSK_Outer_Full_Mid_CH



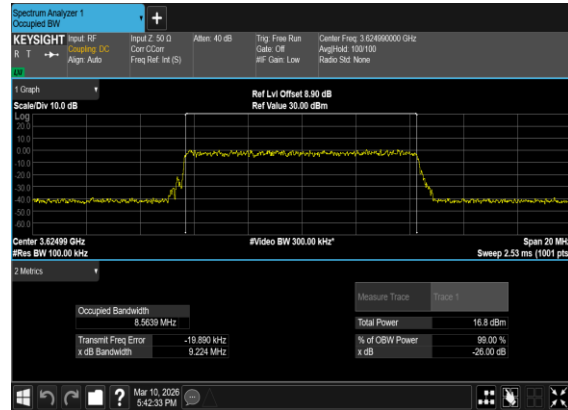
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QAM_Outer_Full_Mid_CH



N48(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

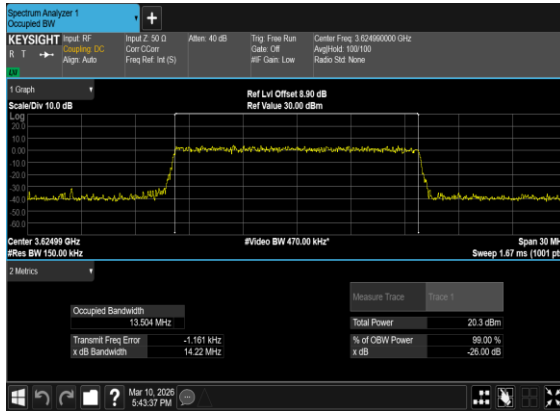


N48(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

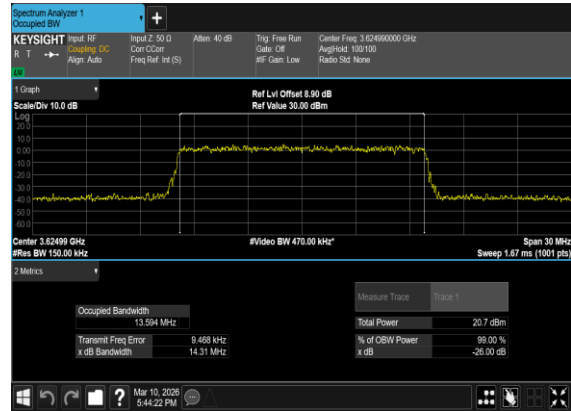




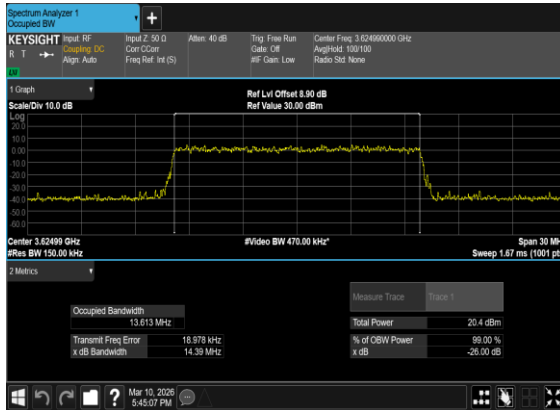
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OFDM_QPSK_Outer_Full_Mid_CH



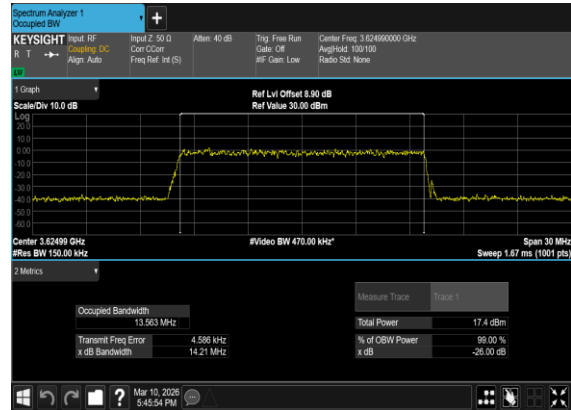
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QAM_Outer_Full_Mid_CH



N48(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

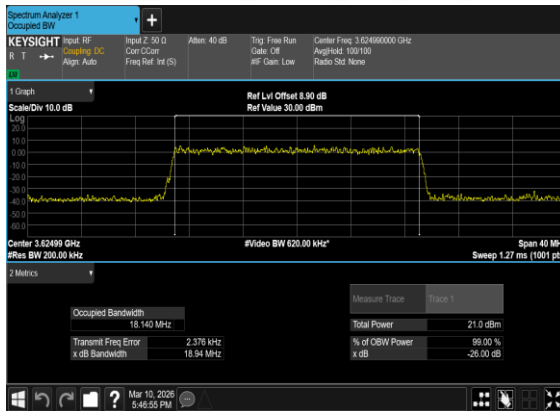


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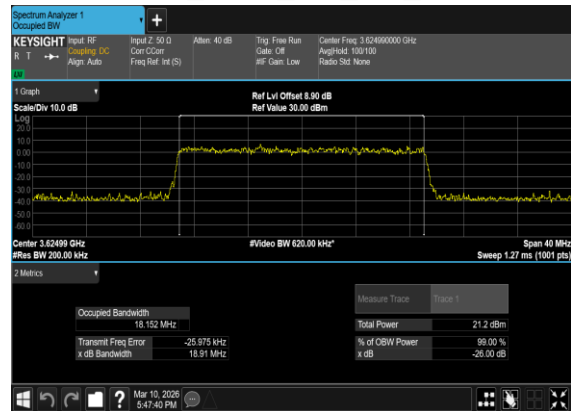




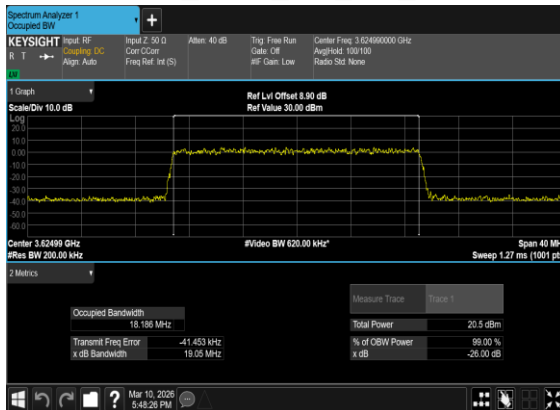
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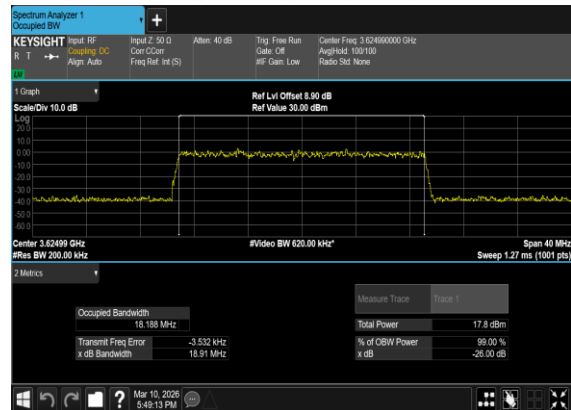
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QAM_Outer_Full_Mid_CH



N48(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

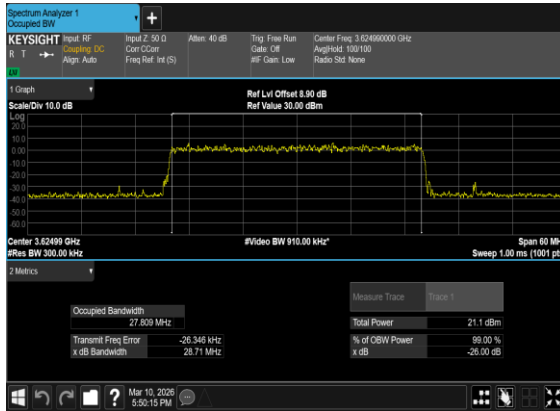


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QAM_Outer_Full_Mid_CH

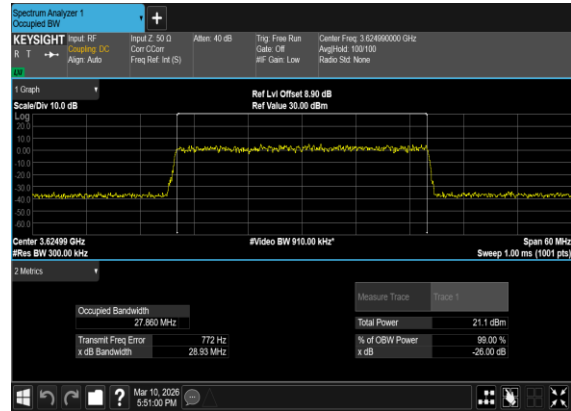




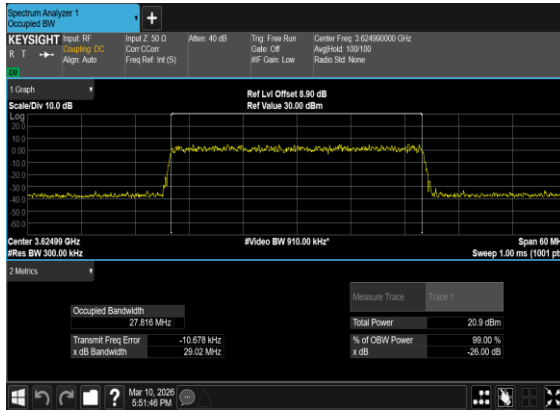
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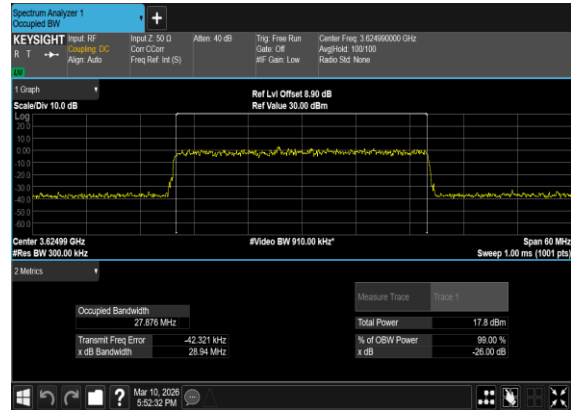
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QAM_Outer_Full_Mid_CH



N48(30M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

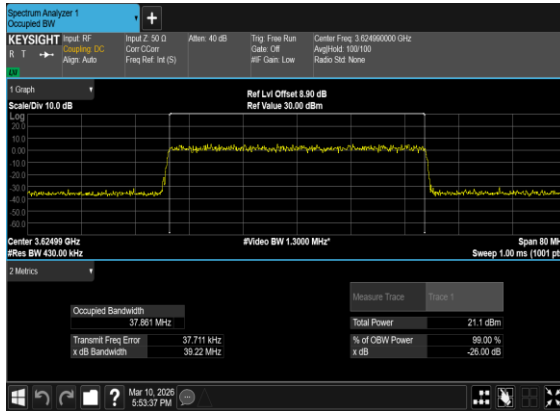


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QAM_Outer_Full_Mid_CH

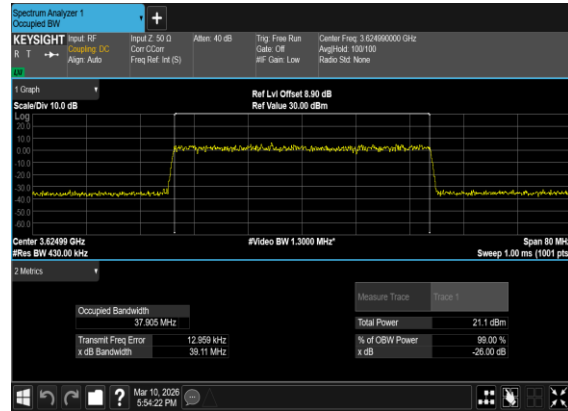




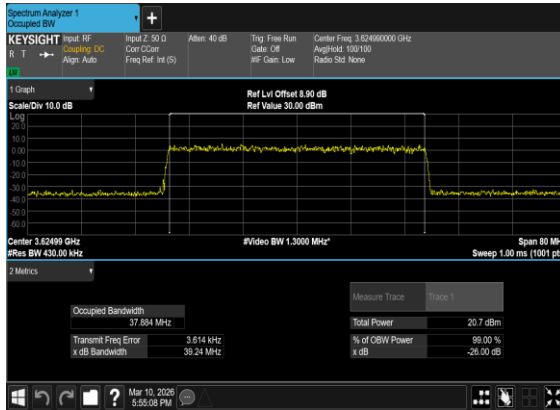
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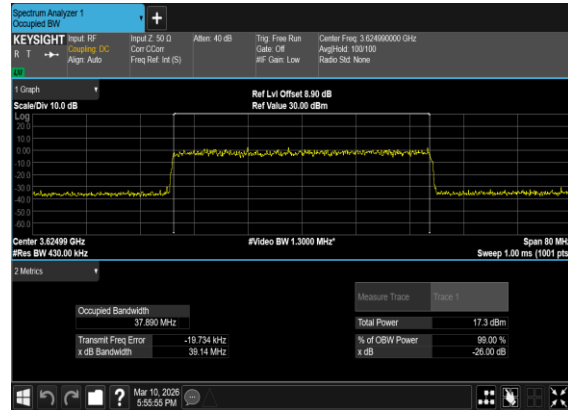
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QAM_Outer_Full_Mid_CH



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	30	10	637000	3555.0	DFT-s-OFDM PI/2 BPSK	24@0	-17.92	-18.68	see graph	PASS
48	30	10	637000	3555.0	DFT-s-OFDM PI/2 BPSK	1@0	-19.14	-22.76	see graph	PASS
48	30	10	637000	3555.0	DFT-s-OFDM PI/2 BPSK	1@23	-22.61	-19.22	see graph	PASS
48	30	10	637000	3555.0	DFT-s-OFDM QPSK	24@0	-19.78	-19.64	see graph	PASS
48	30	10	637000	3555.0	DFT-s-OFDM QPSK	1@0	-18.35	-22.16	see graph	PASS
48	30	10	637000	3555.0	DFT-s-OFDM QPSK	1@23	-21.76	-18.65	see graph	PASS
48	30	10	641666	3624.99	DFT-s-OFDM PI/2 BPSK	24@0	-17.66	-17.77	see graph	PASS
48	30	10	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@0	-16.43	-20.31	see graph	PASS
48	30	10	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@23	-19.33	-17.44	see graph	PASS
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	24@0	-17.64	-17.38	see graph	PASS
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	1@0	-16.96	-19.09	see graph	PASS
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	1@23	-20.73	-17.99	see graph	PASS
48	30	10	646332	3694.98	DFT-s-OFDM PI/2 BPSK	24@0	-16.7	-16.93	see graph	PASS
48	30	10	646332	3694.98	DFT-s-OFDM PI/2 BPSK	1@0	-16.82	-18.61	see graph	PASS
48	30	10	646332	3694.98	DFT-s-OFDM PI/2 BPSK	1@23	-19.02	-17.04	see graph	PASS
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	24@0	-17.3	-17.24	see graph	PASS
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	1@0	-16.78	-18.6	see graph	PASS
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	1@23	-18.92	-17.23	see graph	PASS
48	30	20	637334	3560.01	DFT-s-OFDM PI/2 BPSK	50@0	-15.46	-15.16	see graph	PASS
48	30	20	637334	3560.01	DFT-s-OFDM PI/2 BPSK	1@0	-18.46	-20.21	see graph	PASS



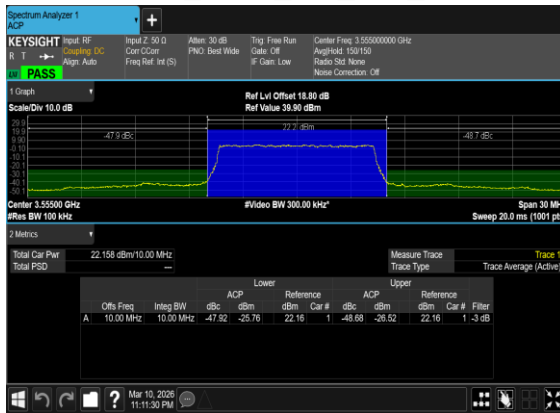
48	30	20	637334	3560.01	DFT-s-OFDM PI/2 BPSK	1@50	-20.61	-19.35	see graph	PASS
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	50@0	-16.33	-17.26	see graph	PASS
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@0	-18.32	-19.64	see graph	PASS
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@50	-19.75	-18.62	see graph	PASS
48	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	50@0	-15.78	-15.7	see graph	PASS
48	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@0	-16.29	-16.67	see graph	PASS
48	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@50	-16.66	-15.96	see graph	PASS
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	-14.37	-14.67	see graph	PASS
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@0	-15.95	-16.29	see graph	PASS
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@50	-16.64	-15.86	see graph	PASS
48	30	20	646000	3690.0	DFT-s-OFDM PI/2 BPSK	50@0	-14.1	-14.42	see graph	PASS
48	30	20	646000	3690.0	DFT-s-OFDM PI/2 BPSK	1@0	-15.81	-15.89	see graph	PASS
48	30	20	646000	3690.0	DFT-s-OFDM PI/2 BPSK	1@50	-15.16	-14.32	see graph	PASS
48	30	20	646000	3690.0	DFT-s-OFDM QPSK	50@0	-14.55	-14.51	see graph	PASS
48	30	20	646000	3690.0	DFT-s-OFDM QPSK	1@0	-15.37	-15.52	see graph	PASS
48	30	20	646000	3690.0	DFT-s-OFDM QPSK	1@50	-15.98	-15.26	see graph	PASS
48	30	40	638000	3570.0	DFT-s-OFDM PI/2 BPSK	100@0	-12.8	-12.85	see graph	PASS
48	30	40	638000	3570.0	DFT-s-OFDM PI/2 BPSK	1@0	-11.93	-12.54	see graph	PASS
48	30	40	638000	3570.0	DFT-s-OFDM PI/2 BPSK	1@105	-13.99	-12.95	see graph	PASS
48	30	40	638000	3570.0	DFT-s-OFDM QPSK	100@0	-12.21	-12.05	see graph	PASS
48	30	40	638000	3570.0	DFT-s-OFDM QPSK	1@0	-12.54	-13.11	see graph	PASS
48	30	40	638000	3570.0	DFT-s-OFDM QPSK	1@105	-14.2	-13.06	see graph	PASS



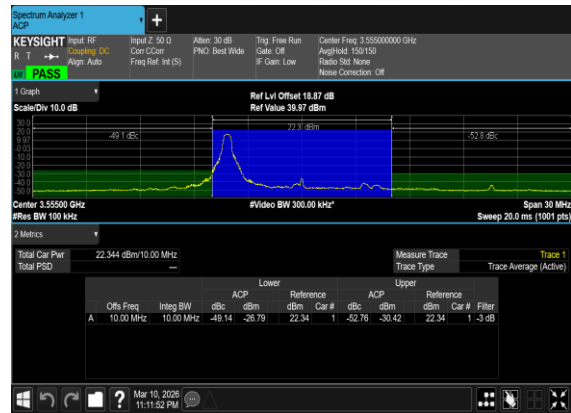
48	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	100@0	-12.3	-12.13	see graph	PASS
48	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@0	-14.05	-14.79	see graph	PASS
48	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@105	-16.18	-14.63	see graph	PASS
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	100@0	-12.13	-11.62	see graph	PASS
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@0	-10.6	-10.88	see graph	PASS
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@105	-14.73	-13.26	see graph	PASS
48	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	100@0	-12.08	-11.6	see graph	PASS
48	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	1@0	-11.41	-11.53	see graph	PASS
48	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	1@105	-12.99	-11.47	see graph	PASS
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	100@0	-11.71	-10.97	see graph	PASS
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@0	-12.11	-12.13	see graph	PASS
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@105	-12.95	-11.49	see graph	PASS



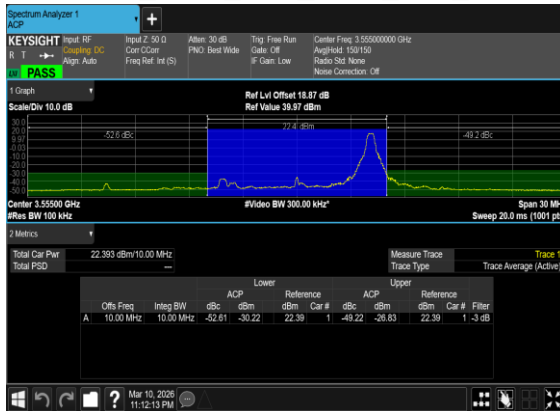
N48(10M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Low_CH



N48(10M)_DFT-s-OFDM_PI_2-
BPSK_Edge_1RB_Left_Low_CH



N48(10M)_DFT-s-OFDM_PI_2-
BPSK_Edge_1RB_Right_Low_CH



N48(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

