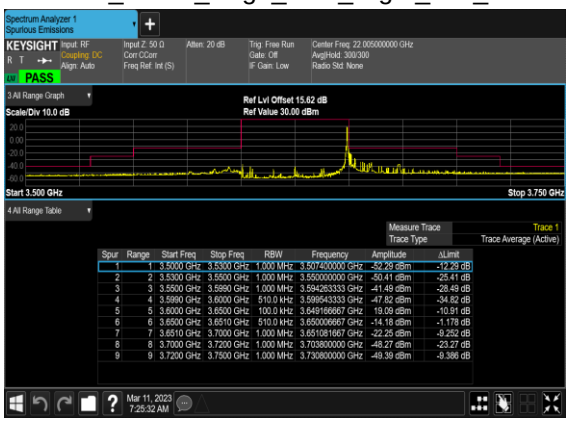
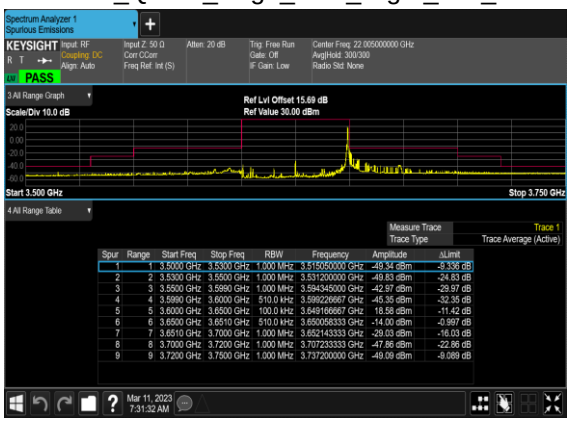
N48(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH

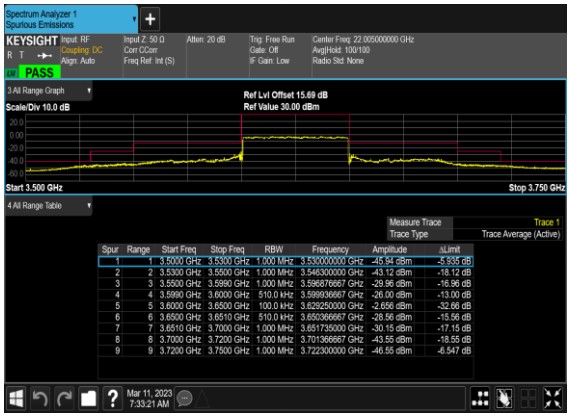


N48(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH

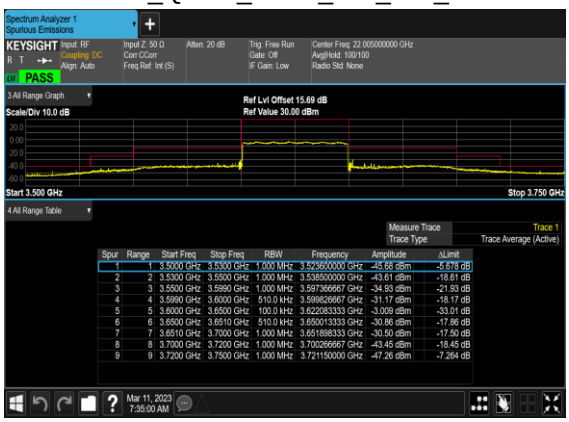


N48(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH_CHP_PASS

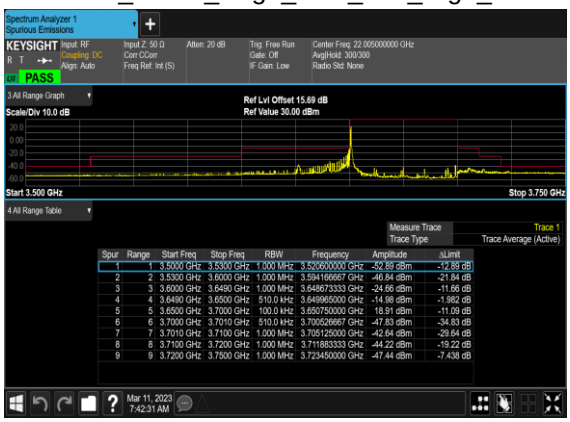
N48(50M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



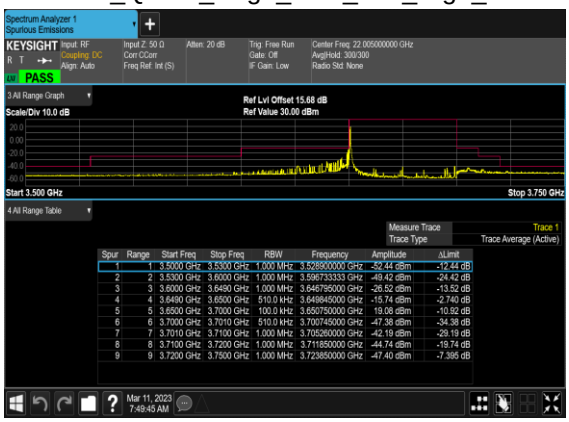
N48(50M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N48(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

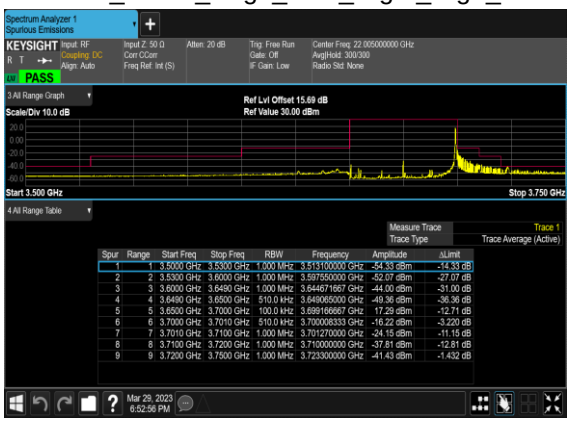


N48(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	3.5000 GHz	3.5300 GHz	1.000 MHz	3.526800000 GHz	-52.44 dBm	-12.44 dB
2	2	3.5300 GHz	3.6000 GHz	1.000 MHz	3.596733333 GHz	-49.42 dBm	-24.42 dB
3	3	3.6000 GHz	3.6490 GHz	1.000 MHz	3.646795000 GHz	-26.52 dBm	-13.52 dB
4	4	3.6490 GHz	3.6500 GHz	510.0 kHz	3.649845000 GHz	-15.74 dBm	-2.740 dB
5	5	3.6500 GHz	3.7000 GHz	100.0 kHz	3.650750000 GHz	19.08 dBm	-10.92 dB
6	6	3.7000 GHz	3.7010 GHz	510.0 kHz	3.700745000 GHz	-47.38 dBm	-34.38 dB
7	7	3.7010 GHz	3.7100 GHz	1.000 MHz	3.709280000 GHz	-42.19 dBm	-29.19 dB
8	8	3.7100 GHz	3.7200 GHz	1.000 MHz	3.711850000 GHz	-44.74 dBm	-19.74 dB
9	9	3.7200 GHz	3.7500 GHz	1.000 MHz	3.723850000 GHz	-47.40 dBm	-7.395 dB

N48(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

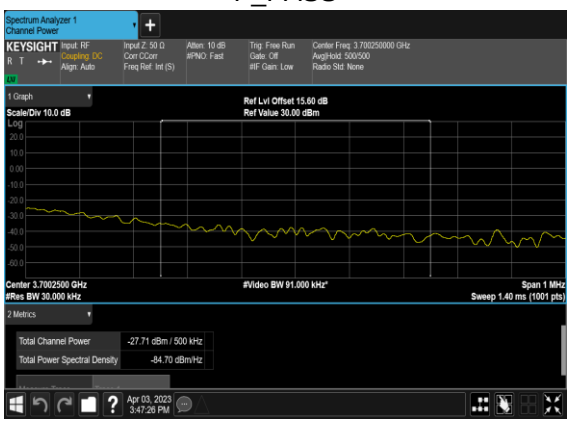


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	3.5000 GHz	3.5300 GHz	1.000 MHz	3.513100000 GHz	-54.33 dBm	-14.33 dB
2	2	3.5300 GHz	3.6000 GHz	1.000 MHz	3.597550000 GHz	-52.07 dBm	-27.07 dB
3	3	3.6000 GHz	3.6490 GHz	1.000 MHz	3.644671667 GHz	-44.00 dBm	-31.00 dB
4	4	3.6490 GHz	3.6500 GHz	510.0 kHz	3.649065000 GHz	-49.36 dBm	-36.36 dB
5	5	3.6500 GHz	3.7000 GHz	100.0 kHz	3.699166667 GHz	17.29 dBm	-12.71 dB
6	6	3.7000 GHz	3.7010 GHz	510.0 kHz	3.700008333 GHz	-16.22 dBm	-3.220 dB
7	7	3.7010 GHz	3.7100 GHz	1.000 MHz	3.701270000 GHz	-24.15 dBm	-11.15 dB
8	8	3.7100 GHz	3.7200 GHz	1.000 MHz	3.710000000 GHz	-37.81 dBm	-12.81 dB
9	9	3.7200 GHz	3.7500 GHz	1.000 MHz	3.723300000 GHz	-41.43 dBm	-1.432 dB

N48(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	3.5000 GHz	3.5300 GHz	1.000 MHz	3.515800000 GHz	-54.25 dBm	-14.25 dB
2	2	3.5300 GHz	3.6000 GHz	1.000 MHz	3.597550000 GHz	-52.23 dBm	-27.23 dB
3	3	3.6000 GHz	3.6490 GHz	1.000 MHz	3.644753333 GHz	-43.36 dBm	-30.36 dB
4	4	3.6490 GHz	3.6500 GHz	510.0 kHz	3.649445000 GHz	-48.31 dBm	-35.31 dB
5	5	3.6500 GHz	3.7000 GHz	100.0 kHz	3.699166667 GHz	18.27 dBm	-11.73 dB
6	6	3.7000 GHz	3.7010 GHz	510.0 kHz	3.700025000 GHz	-13.73 dBm	-0.732 dB
7	7	3.7010 GHz	3.7100 GHz	1.000 MHz	3.701015000 GHz	-22.41 dBm	-9.410 dB
8	8	3.7100 GHz	3.7200 GHz	1.000 MHz	3.710066667 GHz	-36.99 dBm	-11.99 dB
9	9	3.7200 GHz	3.7500 GHz	1.000 MHz	3.723450000 GHz	-41.53 dBm	-1.529 dB

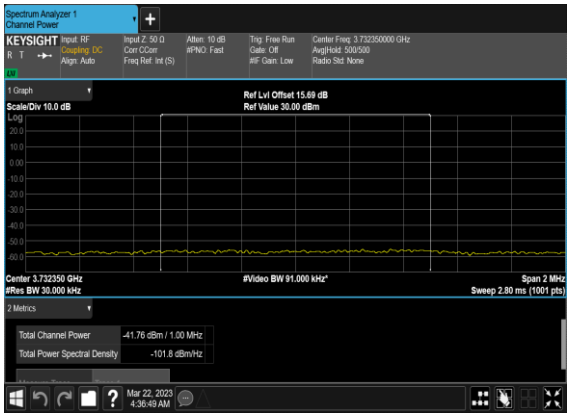
N48(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PASS



N48(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	3.5000 GHz	3.5300 GHz	1.000 MHz	3.530000000 GHz	-53.62 dBm	-13.62 dB
2	2	3.5300 GHz	3.6000 GHz	1.000 MHz	3.598950000 GHz	-43.56 dBm	-18.56 dB
3	3	3.6000 GHz	3.6490 GHz	1.000 MHz	3.647530000 GHz	-32.74 dBm	-19.74 dB
4	4	3.6490 GHz	3.6500 GHz	510.0 kHz	3.649980000 GHz	-30.97 dBm	-17.97 dB
5	5	3.6500 GHz	3.7000 GHz	100.0 kHz	3.686666667 GHz	-3.826 dBm	-33.83 dB
6	6	3.7000 GHz	3.7010 GHz	510.0 kHz	3.700138333 GHz	-33.38 dBm	-20.38 dB
7	7	3.7010 GHz	3.7100 GHz	1.000 MHz	3.701645000 GHz	-32.97 dBm	-19.97 dB
8	8	3.7100 GHz	3.7200 GHz	1.000 MHz	3.717383333 GHz	-39.49 dBm	-14.49 dB
9	9	3.7200 GHz	3.7500 GHz	1.000 MHz	3.732350000 GHz	-40.41 dBm	-0.408 dB

N48(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH_CHP_PASS



N48(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

N48(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH_**CHP_PASS**

Software Version: 22.12.120701

FR1 N48-SCS 30KHz (ANT4)

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=-5dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
48	30	10	637000	3555	DFT-s-OFDM QPSK	1@1	23.29	18.29	0.0675
48	30	10	637000	3555	DFT-s-OFDM 16 QAM	1@1	22.44	17.44	0.0555
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	1@1	23.42	18.42	0.0695
48	30	10	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	22.41	17.41	0.0551
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	1@1	23.16	18.16	0.0655
48	30	10	646332	3694.98	DFT-s-OFDM 16 QAM	1@1	22.16	17.16	0.0520
48	30	15	637168	3557.52	DFT-s-OFDM QPSK	1@1	23.35	18.35	0.0684
48	30	15	637168	3557.52	DFT-s-OFDM 16 QAM	1@1	22.42	17.42	0.0552
48	30	15	641666	3624.99	DFT-s-OFDM QPSK	1@1	23.41	18.41	0.0693
48	30	15	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	22.5	17.5	0.0562
48	30	15	646166	3692.49	DFT-s-OFDM QPSK	1@1	23.01	18.01	0.0632
48	30	15	646166	3692.49	DFT-s-OFDM 16 QAM	1@1	22.34	17.34	0.0542
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@1	23.21	18.21	0.0662
48	30	20	637334	3560.01	DFT-s-OFDM 16 QAM	1@1	22.48	17.48	0.0560
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@1	23.33	18.33	0.0681
48	30	20	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	22.56	17.56	0.0570
48	30	20	646000	3690	DFT-s-OFDM QPSK	1@1	23.33	18.33	0.0681
48	30	20	646000	3690	DFT-s-OFDM 16 QAM	1@1	22.3	17.3	0.0537
48	30	30	637668	3565.02	DFT-s-OFDM QPSK	1@1	23.33	18.33	0.0681
48	30	30	637668	3565.02	DFT-s-OFDM 16	1@1	22.52	17.52	0.0565

					QAM				
48	30	30	641666	3624.99	DFT-s-OFDM QPSK	1@1	23.42	18.42	0.0695
48	30	30	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	22.61	17.61	0.0577
48	30	30	645666	3684.99	DFT-s-OFDM QPSK	1@1	23.17	18.17	0.0656
48	30	30	645666	3684.99	DFT-s-OFDM 16 QAM	1@1	22.45	17.45	0.0556
48	30	40	638000	3570	DFT-s-OFDM QPSK	1@1	23.42	18.42	0.0695
48	30	40	638000	3570	DFT-s-OFDM 16 QAM	1@1	22.58	17.58	0.0573
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@1	23.35	18.35	0.0684
48	30	40	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	22.58	17.58	0.0573
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@1	23.18	18.18	0.0658
48	30	40	645332	3679.98	DFT-s-OFDM 16 QAM	1@1	22.43	17.43	0.0553
48	30	50	638334	3575.01	DFT-s-OFDM QPSK	1@1	23.32	18.32	0.0679
48	30	50	638334	3575.01	DFT-s-OFDM 16 QAM	1@1	22.52	17.52	0.0565
48	30	50	641666	3624.99	DFT-s-OFDM QPSK	1@1	23.36	18.36	0.0685
48	30	50	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	22.53	17.53	0.0566
48	30	50	645000	3675	DFT-s-OFDM QPSK	1@1	23.32	18.32	0.0679
48	30	50	645000	3675	DFT-s-OFDM 16 QAM	1@1	22.38	17.38	0.0547
48	30	60	638668	3580.02	DFT-s-OFDM QPSK	1@1	23.36	18.36	0.0685
48	30	60	638668	3580.02	DFT-s-OFDM 16 QAM	1@1	22.5	17.5	0.0562
48	30	60	641666	3624.99	DFT-s-OFDM QPSK	1@1	23.41	18.41	0.0693
48	30	60	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	22.47	17.47	0.0558
48	30	60	644666	3669.99	DFT-s-OFDM QPSK	1@1	23.27	18.27	0.0671
48	30	60	644666	3669.99	DFT-s-OFDM 16 QAM	1@1	22.46	17.46	0.0557
48	30	80	639334	3590.01	DFT-s-OFDM QPSK	1@1	23.37	18.37	0.0687

48	30	80	639334	3590.01	DFT-s-OFDM 16 QAM	1@1	22.34	17.34	0.0542
48	30	80	641666	3624.99	DFT-s-OFDM QPSK	1@1	23.4	18.4	0.0692
48	30	80	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	22.52	17.52	0.0565
48	30	80	644000	3660	DFT-s-OFDM QPSK	1@1	23.4	18.4	0.0692
48	30	80	644000	3660	DFT-s-OFDM 16 QAM	1@1	22.57	17.57	0.0571
48	30	90	639668	3595.02	DFT-s-OFDM QPSK	1@1	23.32	18.32	0.0679
48	30	90	639668	3595.02	DFT-s-OFDM 16 QAM	1@1	22.43	17.43	0.0553
48	30	90	641666	3624.99	DFT-s-OFDM QPSK	1@1	23.38	18.38	0.0689
48	30	90	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	22.44	17.44	0.0555
48	30	90	643666	3654.99	DFT-s-OFDM QPSK	1@1	23.34	18.34	0.0682
48	30	90	643666	3654.99	DFT-s-OFDM 16 QAM	1@1	22.64	17.64	0.0581
48	30	100	640000	3600	DFT-s-OFDM PI/2 BPSK	135@67	23.21	18.21	0.0662
48	30	100	640000	3600	DFT-s-OFDM PI/2 BPSK	1@1	23.4	18.4	0.0692
48	30	100	640000	3600	DFT-s-OFDM PI/2 BPSK	1@271	23.25	18.25	0.0668
48	30	100	640000	3600	DFT-s-OFDM QPSK	135@67	23.23	18.23	0.0665
48	30	100	640000	3600	DFT-s-OFDM QPSK	1@1	23.42	18.42	0.0695
48	30	100	640000	3600	DFT-s-OFDM QPSK	1@271	23.17	18.17	0.0656
48	30	100	640000	3600	DFT-s-OFDM 16 QAM	135@67	22.24	17.24	0.0530
48	30	100	640000	3600	DFT-s-OFDM 16 QAM	1@1	22.45	17.45	0.0556
48	30	100	640000	3600	DFT-s-OFDM 16 QAM	1@271	22.3	17.3	0.0537
48	30	100	640000	3600	DFT-s-OFDM 64 QAM	135@67	20.74	15.74	0.0375
48	30	100	640000	3600	DFT-s-OFDM 64 QAM	1@1	21.17	16.17	0.0414
48	30	100	640000	3600	DFT-s-OFDM 64 QAM	1@271	20.95	15.95	0.0394
48	30	100	640000	3600	DFT-s-OFDM 256 QAM	135@67	18.61	13.61	0.0230

48	30	100	640000	3600	DFT-s-OFDM 256 QAM	1@1	19.16	14.16	0.0261
48	30	100	640000	3600	DFT-s-OFDM 256 QAM	1@271	18.89	13.89	0.0245
48	30	100	640000	3600	CP-OFDM QPSK	137@68	21.71	16.71	0.0469
48	30	100	640000	3600	CP-OFDM QPSK	1@1	21.9	16.9	0.0490
48	30	100	640000	3600	CP-OFDM QPSK	1@271	21.84	16.84	0.0483
48	30	100	641666	3624.99	DFT-s-OFDM PI/2 BPSK	135@67	23.17	18.17	0.0656
48	30	100	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@1	23.4	18.4	0.0692
48	30	100	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@271	23.13	18.13	0.0650
48	30	100	641666	3624.99	DFT-s-OFDM QPSK	135@67	23.18	18.18	0.0658
48	30	100	641666	3624.99	DFT-s-OFDM QPSK	1@1	23.4	18.4	0.0692
48	30	100	641666	3624.99	DFT-s-OFDM QPSK	1@271	23.11	18.11	0.0647
48	30	100	641666	3624.99	DFT-s-OFDM 16 QAM	135@67	22.19	17.19	0.0524
48	30	100	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	22.45	17.45	0.0556
48	30	100	641666	3624.99	DFT-s-OFDM 16 QAM	1@271	22.14	17.14	0.0518
48	30	100	641666	3624.99	DFT-s-OFDM 64 QAM	135@67	20.7	15.7	0.0372
48	30	100	641666	3624.99	DFT-s-OFDM 64 QAM	1@1	21.13	16.13	0.0410
48	30	100	641666	3624.99	DFT-s-OFDM 64 QAM	1@271	20.67	15.67	0.0369
48	30	100	641666	3624.99	DFT-s-OFDM 256 QAM	135@67	18.73	13.73	0.0236
48	30	100	641666	3624.99	DFT-s-OFDM 256 QAM	1@1	18.92	13.92	0.0247
48	30	100	641666	3624.99	DFT-s-OFDM 256 QAM	1@271	18.66	13.66	0.0232
48	30	100	641666	3624.99	CP-OFDM QPSK	137@68	21.72	16.72	0.0470
48	30	100	641666	3624.99	CP-OFDM QPSK	1@1	21.85	16.85	0.0484
48	30	100	641666	3624.99	CP-OFDM QPSK	1@271	21.69	16.69	0.0467
48	30	100	643332	3649.98	DFT-s-OFDM PI/2 BPSK	135@67	23.34	18.34	0.0682
48	30	100	643332	3649.98	DFT-s-OFDM PI/2 BPSK	1@1	23.43	18.43	0.0697
48	30	100	643332	3649.98	DFT-s-OFDM PI/2 BPSK	1@271	23.14	18.14	0.0652

48	30	100	643332	3649.98	DFT-s-OFDM QPSK	135@67	23.28	18.28	0.0673
48	30	100	643332	3649.98	DFT-s-OFDM QPSK	1@1	23.39	18.39	0.0690
48	30	100	643332	3649.98	DFT-s-OFDM QPSK	1@271	23.02	18.02	0.0634
48	30	100	643332	3649.98	DFT-s-OFDM 16 QAM	135@67	22.28	17.28	0.0535
48	30	100	643332	3649.98	DFT-s-OFDM 16 QAM	1@1	22.54	17.54	0.0568
48	30	100	643332	3649.98	DFT-s-OFDM 16 QAM	1@271	22.14	17.14	0.0518
48	30	100	643332	3649.98	DFT-s-OFDM 64 QAM	135@67	20.79	15.79	0.0379
48	30	100	643332	3649.98	DFT-s-OFDM 64 QAM	1@1	21.16	16.16	0.0413
48	30	100	643332	3649.98	DFT-s-OFDM 64 QAM	1@271	20.76	15.76	0.0377
48	30	100	643332	3649.98	DFT-s-OFDM 256 QAM	135@67	18.75	13.75	0.0237
48	30	100	643332	3649.98	DFT-s-OFDM 256 QAM	1@1	19.02	14.02	0.0252
48	30	100	643332	3649.98	DFT-s-OFDM 256 QAM	1@271	18.62	13.62	0.0230
48	30	100	643332	3649.98	CP-OFDM QPSK	137@68	21.83	16.83	0.0482
48	30	100	643332	3649.98	CP-OFDM QPSK	1@1	21.79	16.79	0.0478
48	30	100	643332	3649.98	CP-OFDM QPSK	1@271	21.71	16.71	0.0469

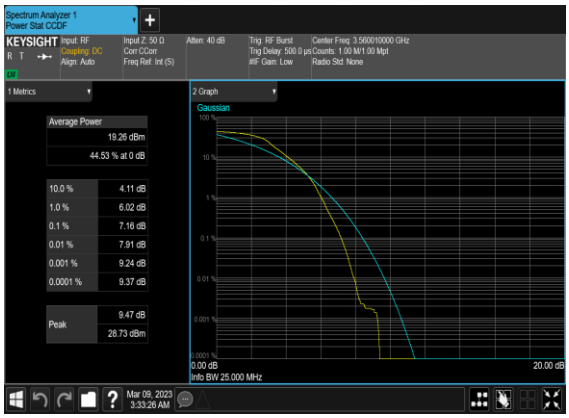
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	0.0061	**PASS**	NV
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	0.0021	**PASS**	LV
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	0.0064	**PASS**	HV
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	0.0021	**PASS**	-30℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	0.0033	**PASS**	-20℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	0.0058	**PASS**	-10℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	0.0066	**PASS**	0℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	0.0044	**PASS**	10℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	0.0061	**PASS**	20℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	0.0054	**PASS**	30℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	0.0025	**PASS**	40℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	0.0031	**PASS**	50℃

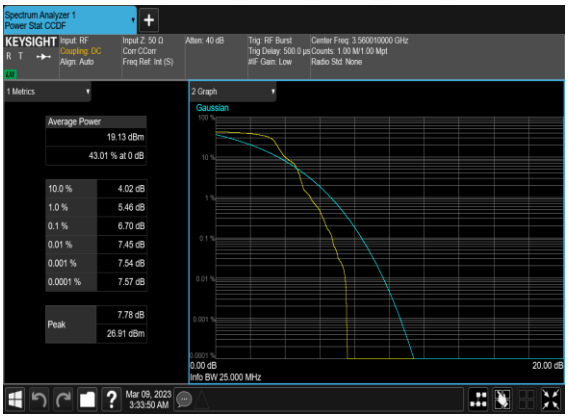
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
48	30	20	637334	3560.01	DFT-s-OFDM PI/2 BPSK	50@0	7.16	13	**PASS**
48	30	20	637334	3560.01	DFT-s-OFDM PI/2 BPSK	1@0	6.7	13	**PASS**
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	50@0	8.29	13	**PASS**
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@0	6.9	13	**PASS**
48	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	50@0	7.09	13	**PASS**
48	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@0	6.44	13	**PASS**
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	8.3	13	**PASS**
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@0	6.83	13	**PASS**
48	30	20	646000	3690.0	DFT-s-OFDM PI/2 BPSK	50@0	7.17	13	**PASS**
48	30	20	646000	3690.0	DFT-s-OFDM PI/2 BPSK	1@0	6.06	13	**PASS**
48	30	20	646000	3690.0	DFT-s-OFDM QPSK	50@0	8.4	13	**PASS**
48	30	20	646000	3690.0	DFT-s-OFDM QPSK	1@0	7.53	13	**PASS**

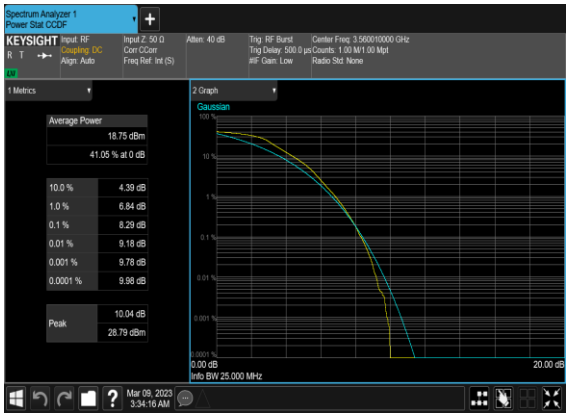
N48(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



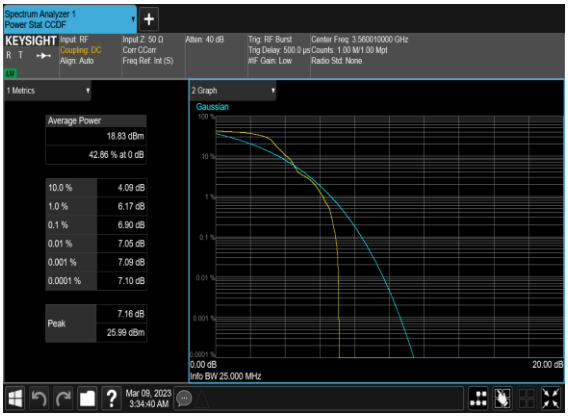
N48(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



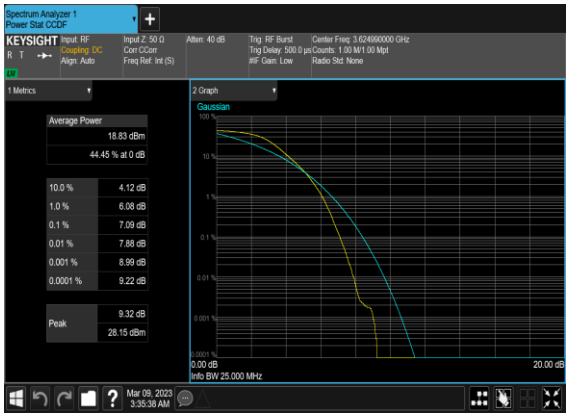
N48(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



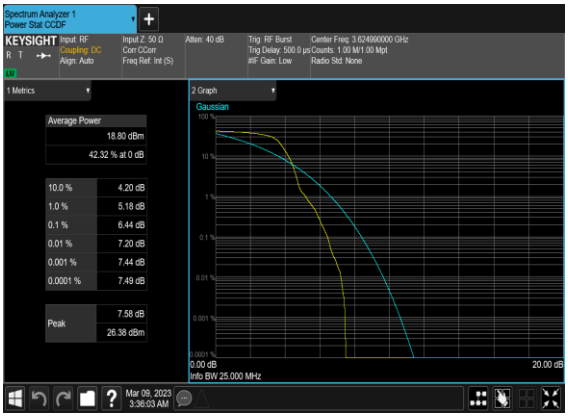
N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



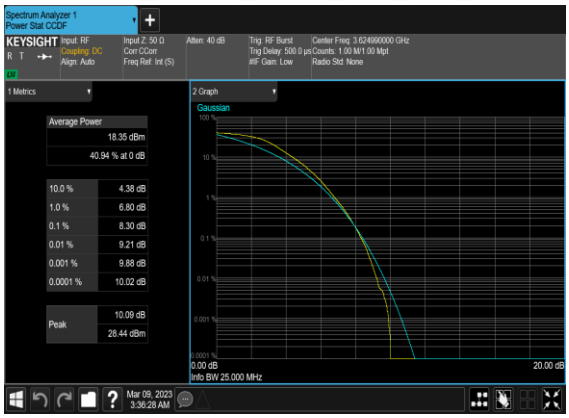
N48(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



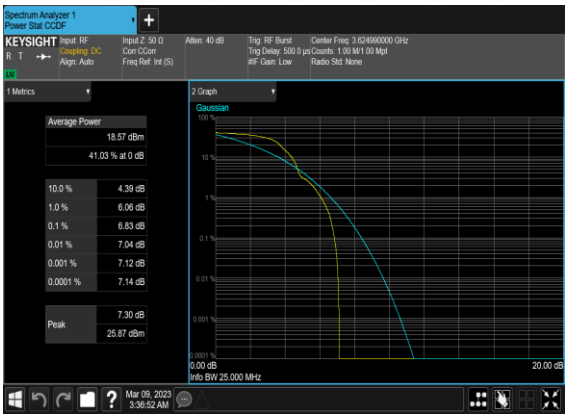
N48(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



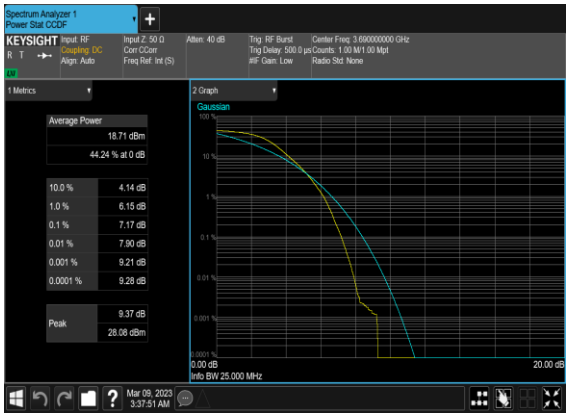
N48(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



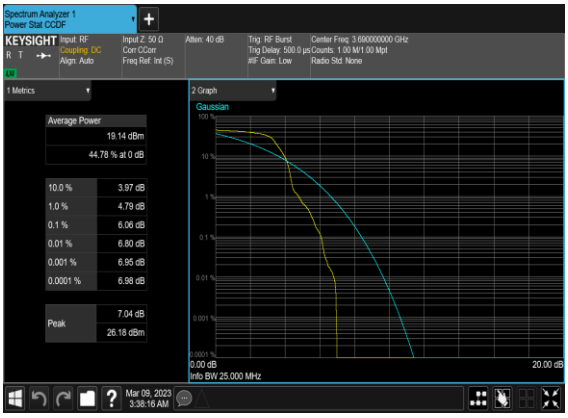
N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



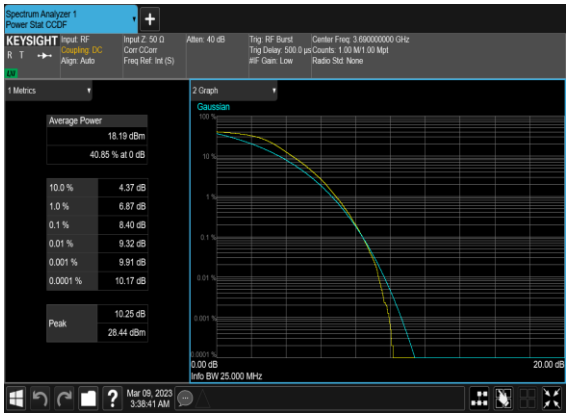
N48(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



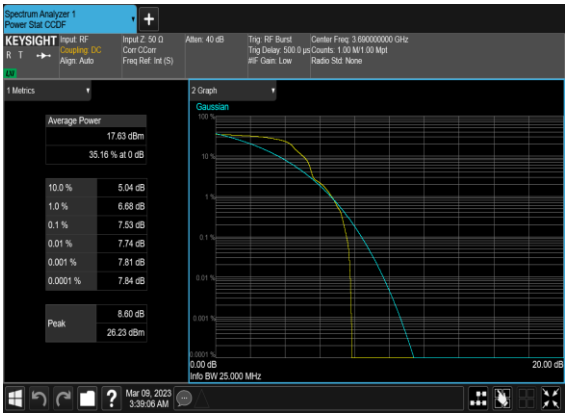
N48(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_High_CH



N48(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



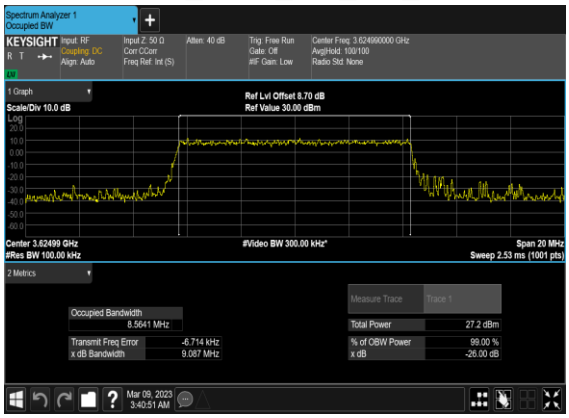
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
48	30	10	641666	3624.99	DFT-s-OFDM PI/2 BPSK	24@0	8.5641	9.087
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	24@0	8.5344	9.152
48	30	10	641666	3624.99	CP-OFDM QPSK	24@0	8.5748	9.148
48	30	10	641666	3624.99	CP-OFDM 16 QAM	24@0	8.5883	9.043
48	30	10	641666	3624.99	CP-OFDM 64 QAM	24@0	8.5325	9.22
48	30	10	641666	3624.99	CP-OFDM 256 QAM	24@0	8.5804	9.15
48	30	15	641666	3624.99	DFT-s-OFDM PI/2 BPSK	36@0	12.836	13.54
48	30	15	641666	3624.99	DFT-s-OFDM QPSK	36@0	12.851	13.5
48	30	15	641666	3624.99	CP-OFDM QPSK	38@0	13.58	14.39
48	30	15	641666	3624.99	CP-OFDM 16 QAM	38@0	13.568	14.18
48	30	15	641666	3624.99	CP-OFDM 64 QAM	38@0	13.604	14.2
48	30	15	641666	3624.99	CP-OFDM 256 QAM	38@0	13.544	14.22
48	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	50@0	17.784	18.65
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	17.786	18.67
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	18.198	19.1
48	30	20	641666	3624.99	CP-OFDM 16 QAM	51@0	18.135	19.57
48	30	20	641666	3624.99	CP-OFDM 64 QAM	51@0	18.147	18.9
48	30	20	641666	3624.99	CP-OFDM 256 QAM	51@0	18.237	18.99
48	30	30	641666	3624.99	DFT-s-OFDM PI/2 BPSK	75@0	26.777	27.92
48	30	30	641666	3624.99	DFT-s-OFDM QPSK	75@0	26.793	27.88
48	30	30	641666	3624.99	CP-OFDM QPSK	78@0	27.704	28.99
48	30	30	641666	3624.99	CP-OFDM 16 QAM	78@0	27.835	29.12
48	30	30	641666	3624.99	CP-OFDM 64 QAM	78@0	27.771	28.96
48	30	30	641666	3624.99	CP-OFDM 256 QAM	78@0	27.878	28.98

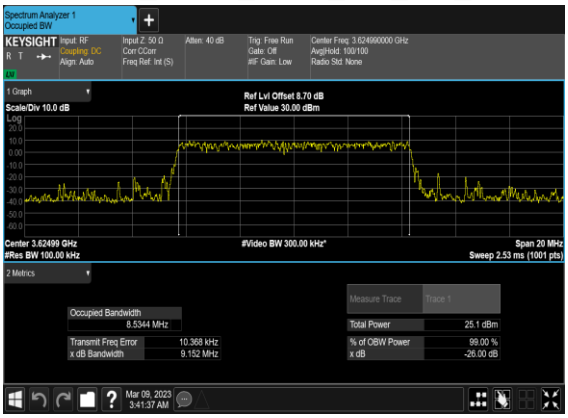
48	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	100@0	35.662	37.1
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	100@0	35.789	37.28
48	30	40	641666	3624.99	CP-OFDM QPSK	106@0	37.885	39.41
48	30	40	641666	3624.99	CP-OFDM 16 QAM	106@0	37.829	39.38
48	30	40	641666	3624.99	CP-OFDM 64 QAM	106@0	37.729	39.27
48	30	40	641666	3624.99	CP-OFDM 256 QAM	106@0	37.904	39.37
48	30	50	641666	3624.99	DFT-s-OFDM PI/2 BPSK	128@0	45.726	47.22
48	30	50	641666	3624.99	DFT-s-OFDM QPSK	128@0	45.906	47.19
48	30	50	641666	3624.99	CP-OFDM QPSK	133@0	47.48	49.1
48	30	50	641666	3624.99	CP-OFDM 16 QAM	133@0	47.549	49.04
48	30	50	641666	3624.99	CP-OFDM 64 QAM	133@0	47.35	49.09
48	30	50	641666	3624.99	CP-OFDM 256 QAM	133@0	47.473	49.22
48	30	60	641666	3624.99	DFT-s-OFDM PI/2 BPSK	162@0	57.94	59.72
48	30	60	641666	3624.99	DFT-s-OFDM QPSK	162@0	57.861	59.69
48	30	60	641666	3624.99	CP-OFDM QPSK	162@0	57.767	59.66
48	30	60	641666	3624.99	CP-OFDM 16 QAM	162@0	57.663	59.62
48	30	60	641666	3624.99	CP-OFDM 64 QAM	162@0	57.745	59.75
48	30	60	641666	3624.99	CP-OFDM 256 QAM	162@0	57.729	59.72
48	30	70	641666	3624.99	DFT-s-OFDM PI/2 BPSK	180@0	64.244	66.23
48	30	70	641666	3624.99	DFT-s-OFDM QPSK	180@0	64.248	66.4
48	30	70	641666	3624.99	CP-OFDM QPSK	189@0	67.498	69.48
48	30	70	641666	3624.99	CP-OFDM 16 QAM	189@0	67.516	69.6
48	30	70	641666	3624.99	CP-OFDM 64 QAM	189@0	67.624	70.13
48	30	70	641666	3624.99	CP-OFDM 256 QAM	189@0	67.342	69.55
48	30	80	641666	3624.99	DFT-s-OFDM PI/2 BPSK	216@0	77.189	79.57
48	30	80	641666	3624.99	DFT-s-OFDM	216@0	77.259	79.61

					QPSK			
48	30	80	641666	3624.99	CP-OFDM QPSK	217@0	77.397	79.96
48	30	80	641666	3624.99	CP-OFDM 16 QAM	217@0	77.569	79.91
48	30	80	641666	3624.99	CP-OFDM 64 QAM	217@0	77.358	79.9
48	30	80	641666	3624.99	CP-OFDM 256 QAM	217@0	77.502	79.88
48	30	90	641666	3624.99	DFT-s-OFDM PI/2 BPSK	240@0	85.706	88.41
48	30	90	641666	3624.99	DFT-s-OFDM QPSK	240@0	85.739	88.56
48	30	90	641666	3624.99	CP-OFDM QPSK	245@0	87.522	90.29
48	30	90	641666	3624.99	CP-OFDM 16 QAM	245@0	87.371	90.24
48	30	90	641666	3624.99	CP-OFDM 64 QAM	245@0	87.686	90.45
48	30	90	641666	3624.99	CP-OFDM 256 QAM	245@0	87.651	90.29
48	30	100	641666	3624.99	DFT-s-OFDM PI/2 BPSK	270@0	96.299	99.41
48	30	100	641666	3624.99	DFT-s-OFDM QPSK	270@0	96.461	99.5
48	30	100	641666	3624.99	CP-OFDM QPSK	273@0	97.399	101.8
48	30	100	641666	3624.99	CP-OFDM 16 QAM	273@0	97.444	100.4
48	30	100	641666	3624.99	CP-OFDM 64 QAM	273@0	97.514	100.5
48	30	100	641666	3624.99	CP-OFDM 256 QAM	273@0	97.627	100.5

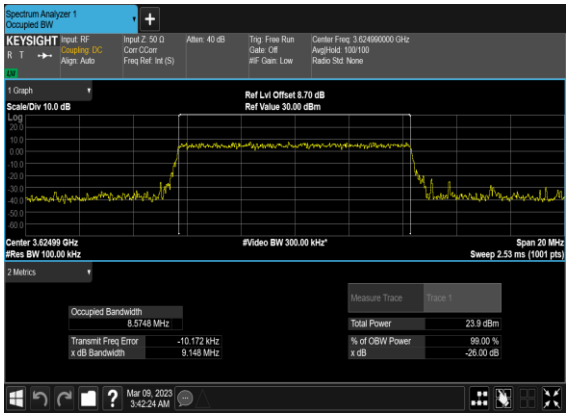
N48(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N48(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



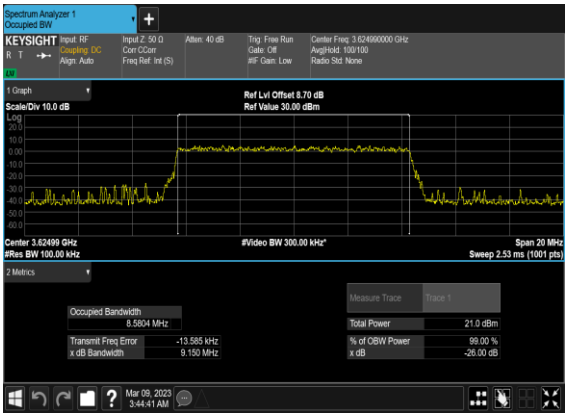
N48(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



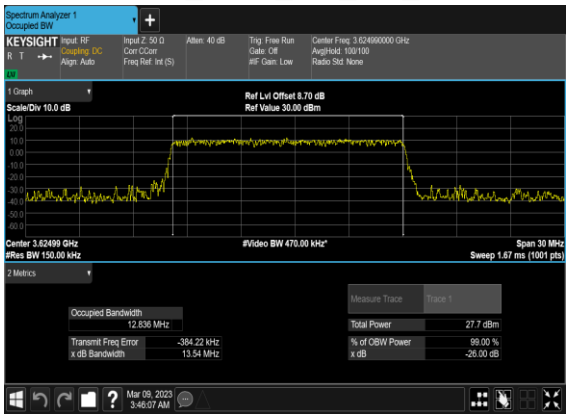
N48(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N48(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

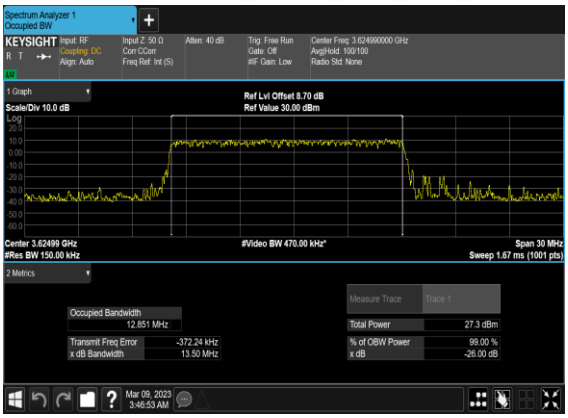
N48(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N48(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N48(15M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



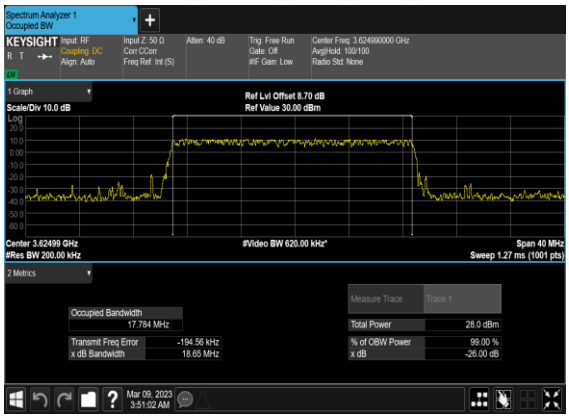
N48(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N48(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

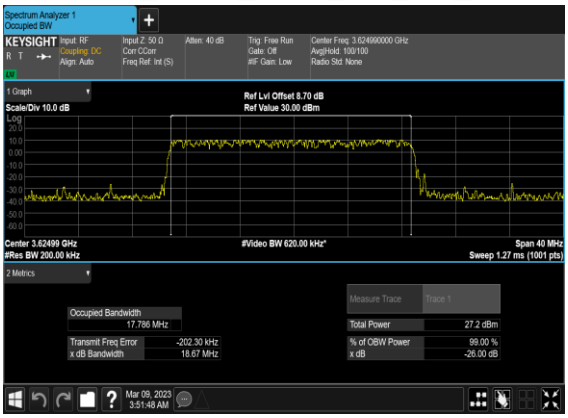
N48(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N48(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

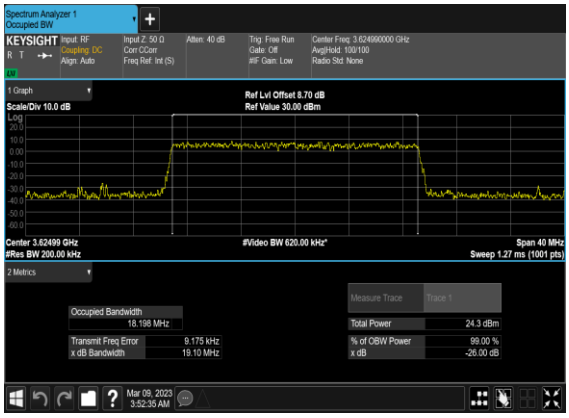
N48(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



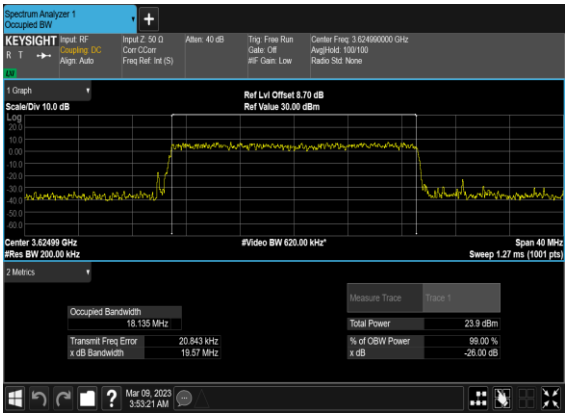
N48(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N48(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

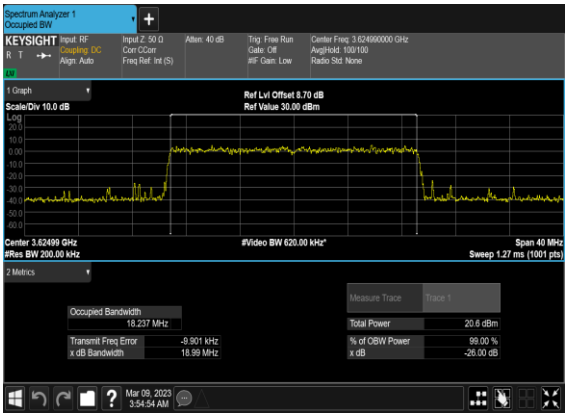


N48(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

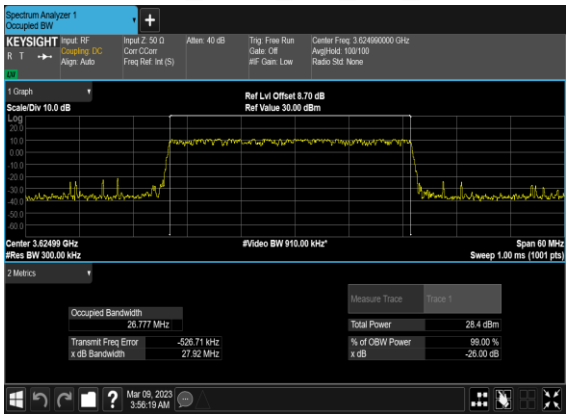


N48(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

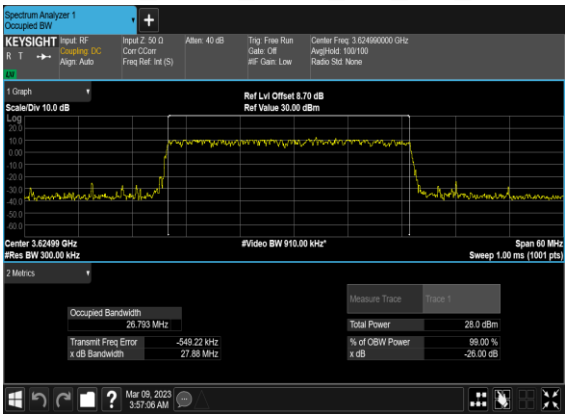
N48(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



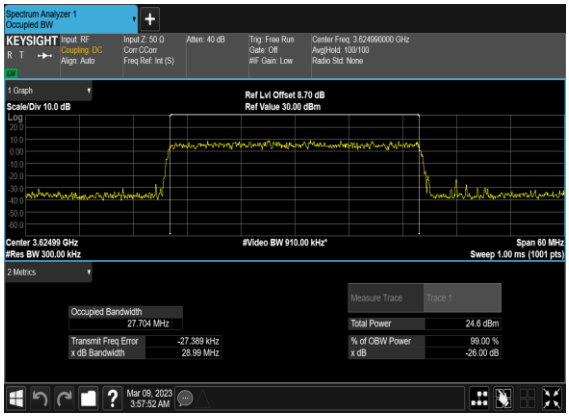
N48(30M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



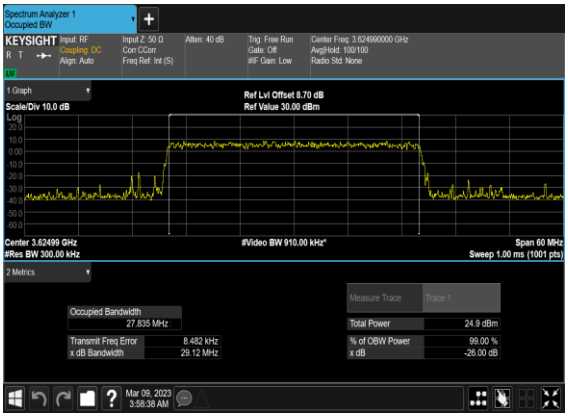
N48(30M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



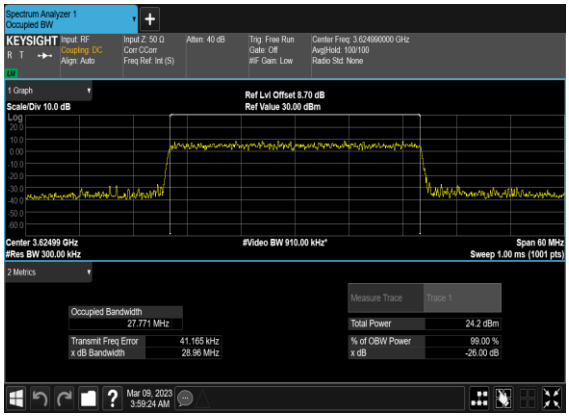
N48(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



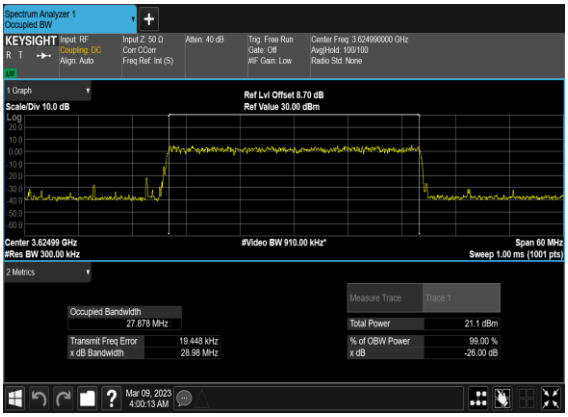
N48(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



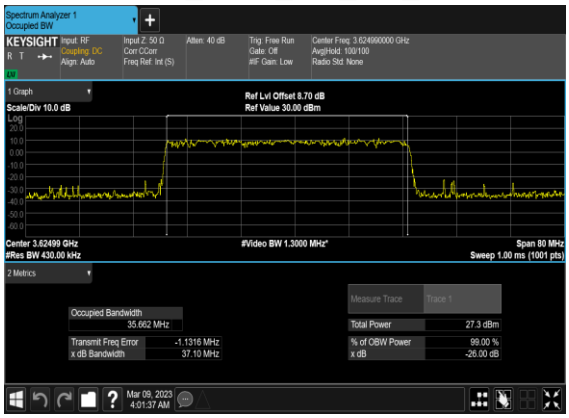
N48(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



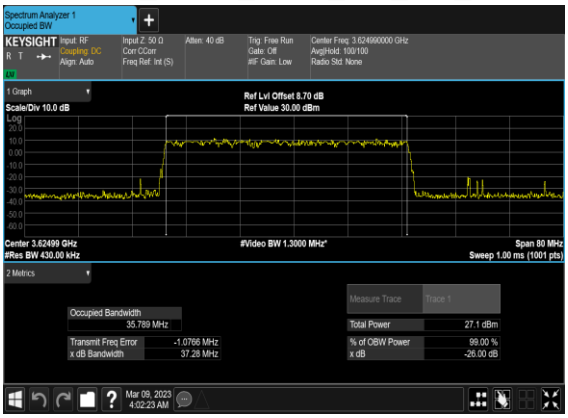
N48(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



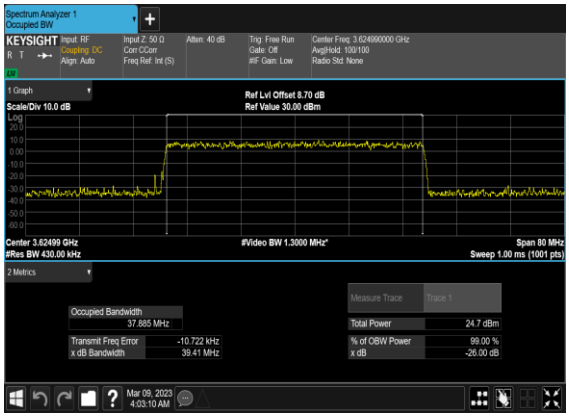
N48(40M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



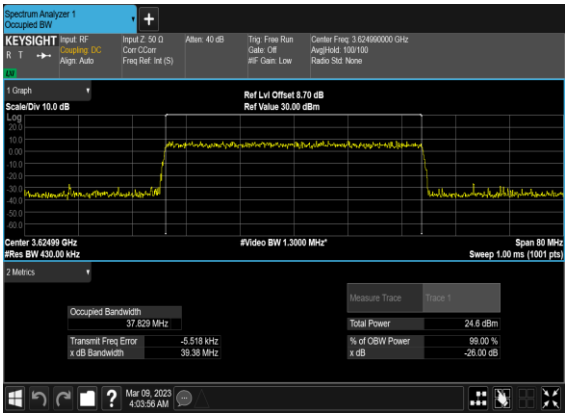
N48(40M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



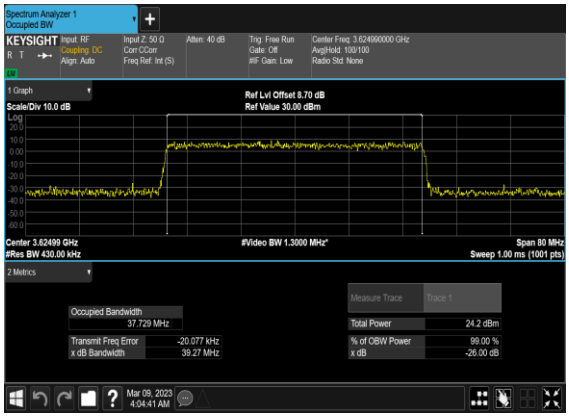
N48(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



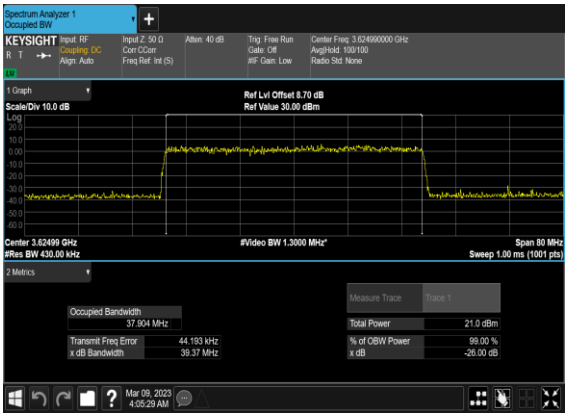
N48(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



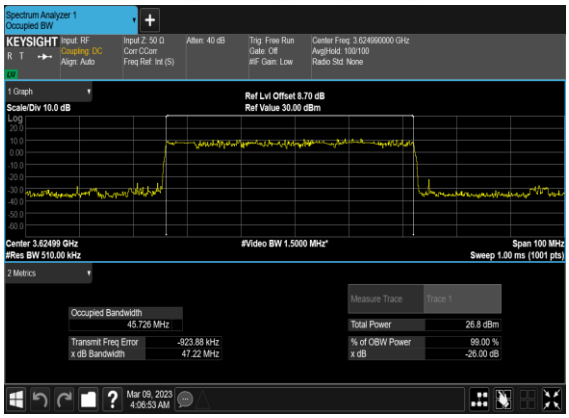
N48(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



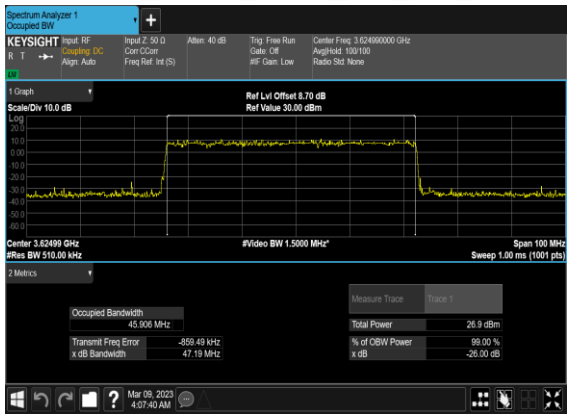
N48(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



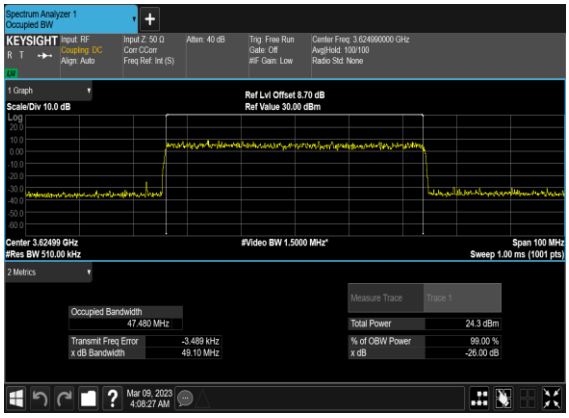
N48(50M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



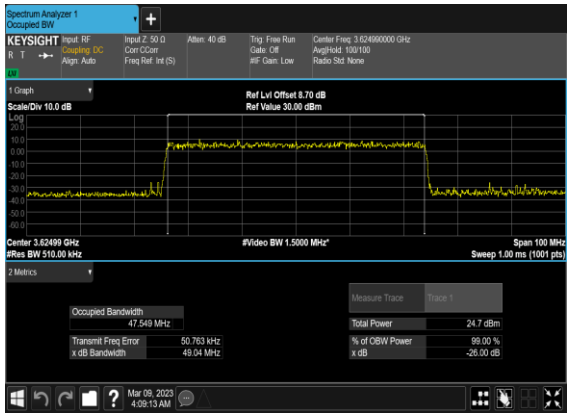
N48(50M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



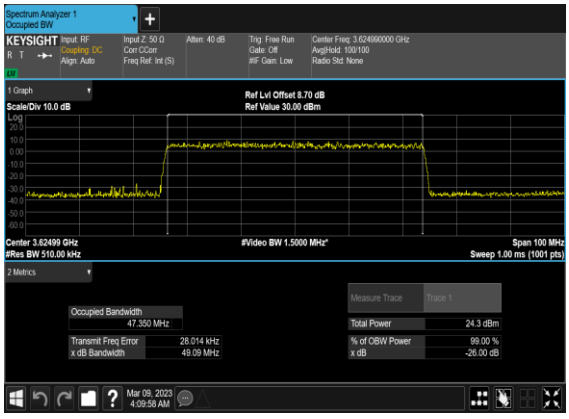
N48(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



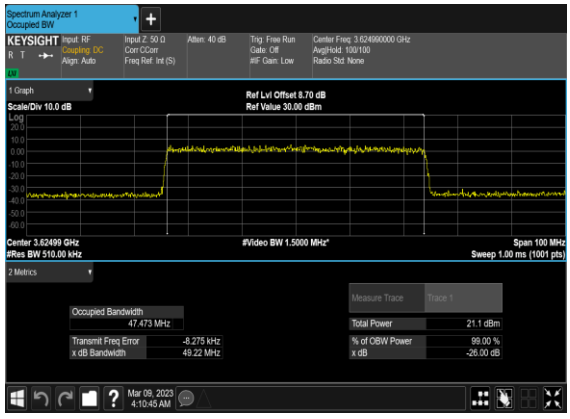
N48(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N48(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

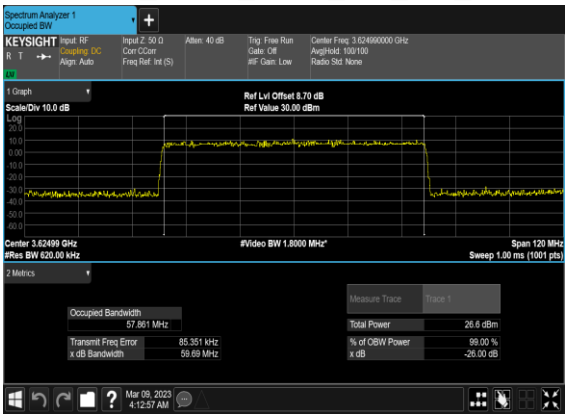


N48(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

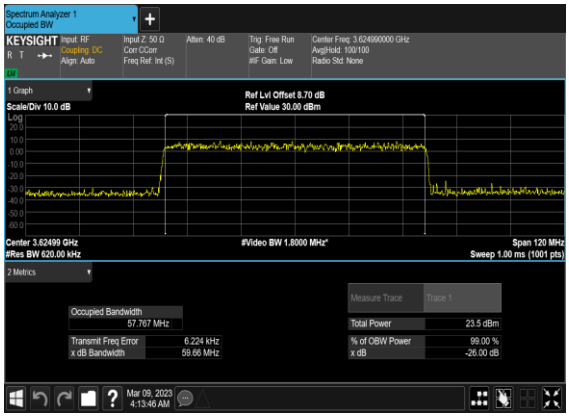


N48(60M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

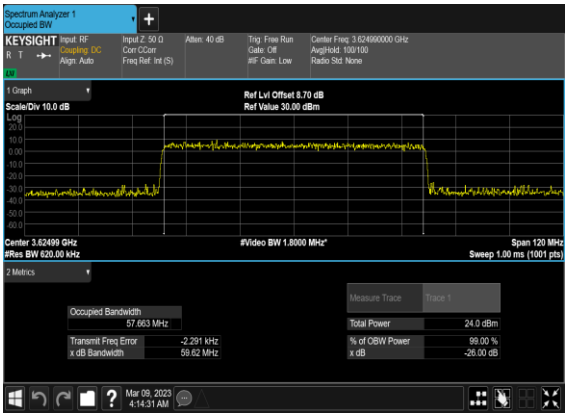
N48(60M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



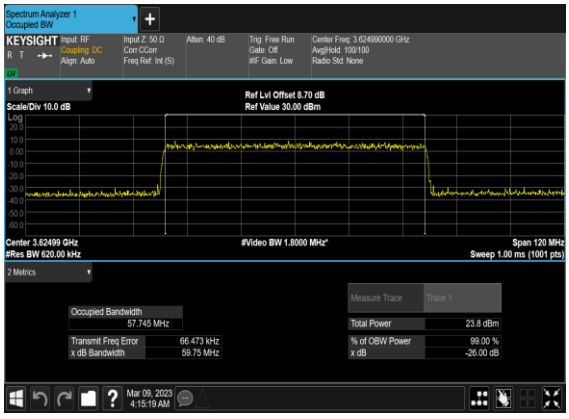
N48(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



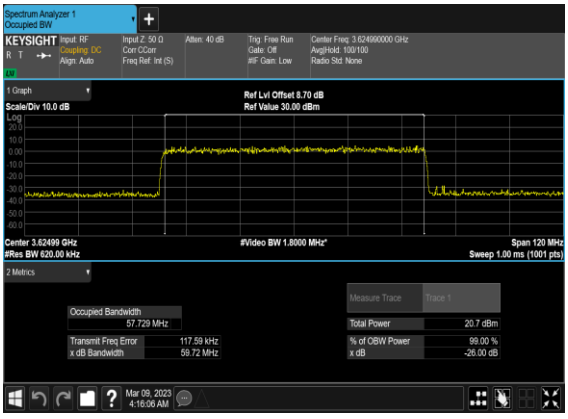
N48(60M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



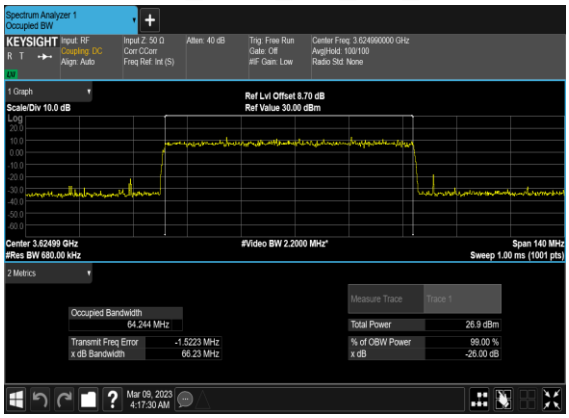
N48(60M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



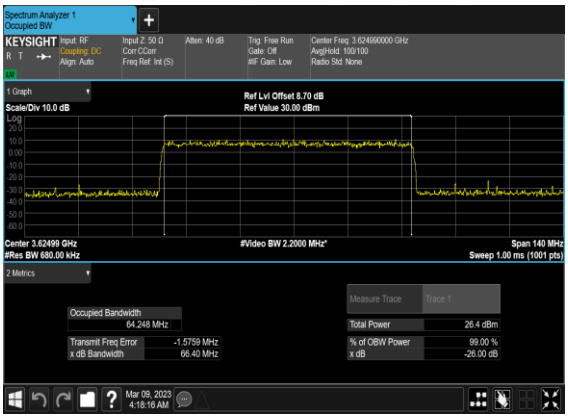
N48(60M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



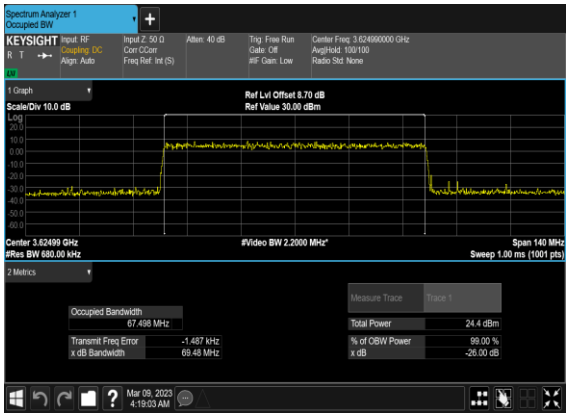
N48(70M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N48(70M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N48(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

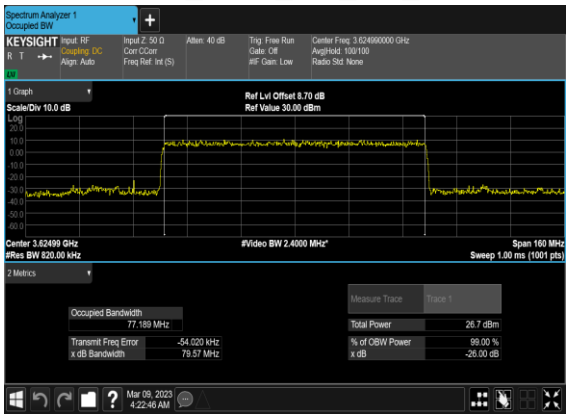


N48(70M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

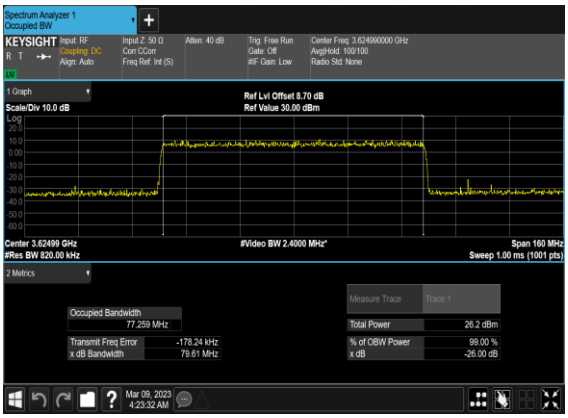
N48(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N48(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

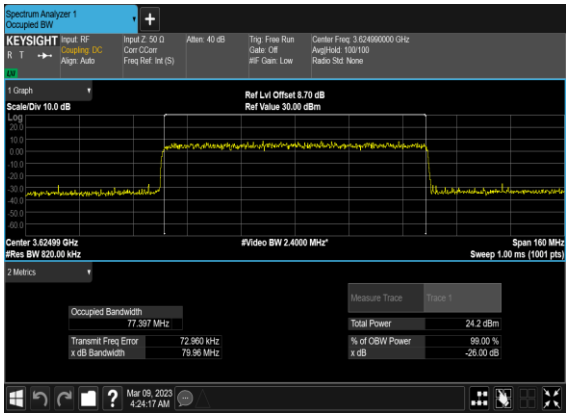
N48(80M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N48(80M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

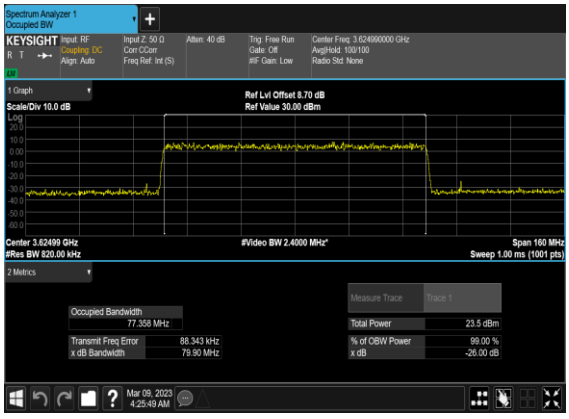


N48(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

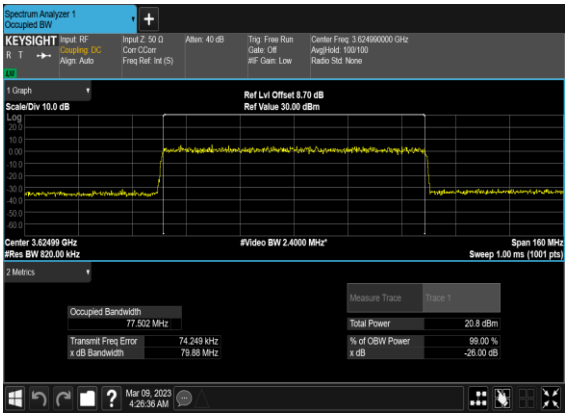


N48(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N48(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

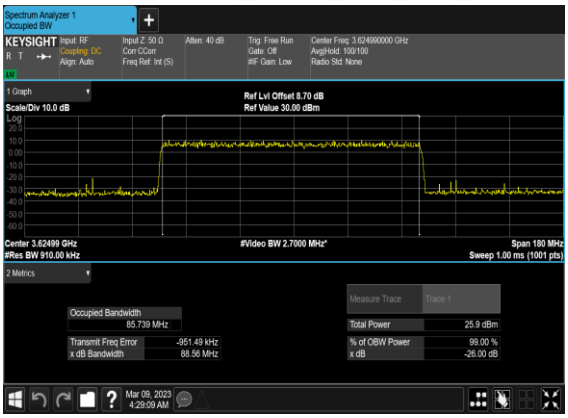


N48(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

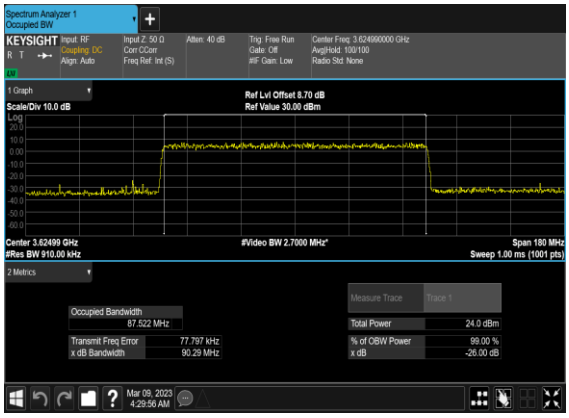


N48(90M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

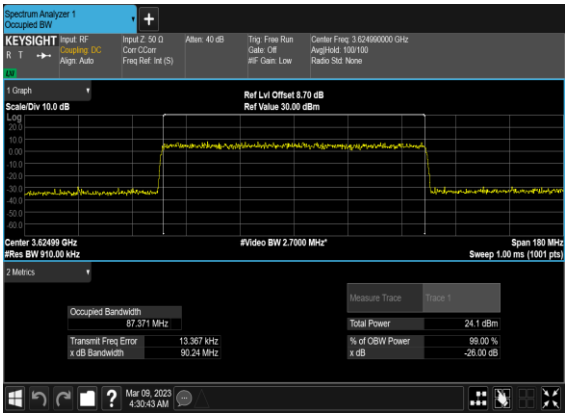
N48(90M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N48(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



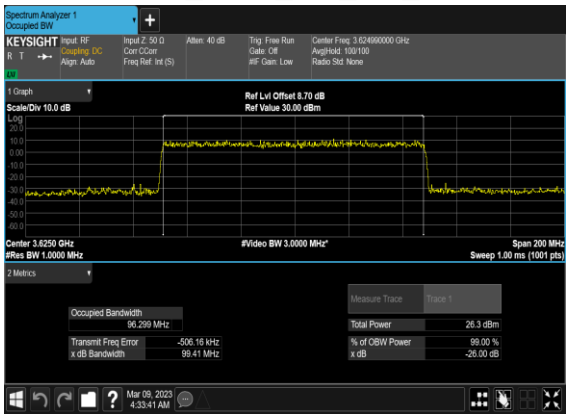
N48(90M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



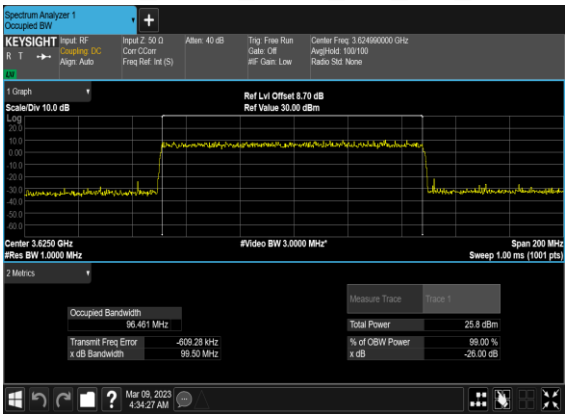
N48(90M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N48(90M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

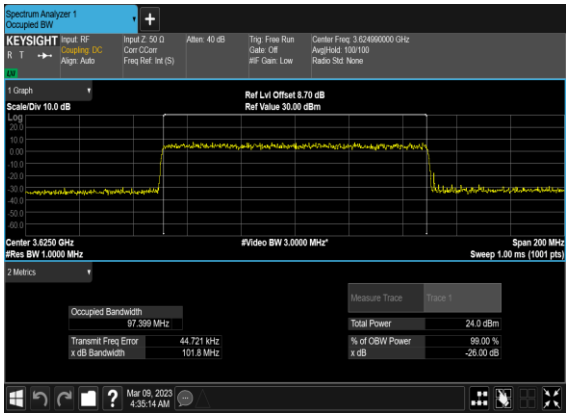
N48(100M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N48(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

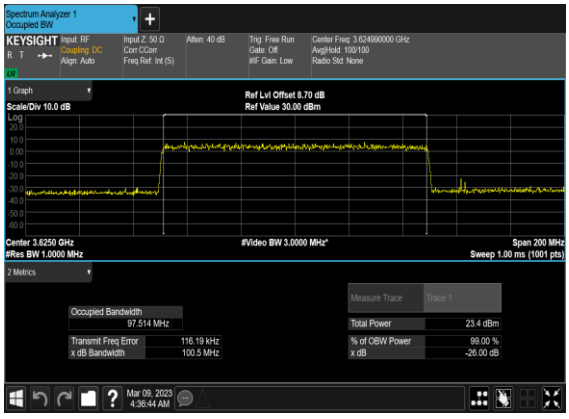


N48(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N48(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N48(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N48(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

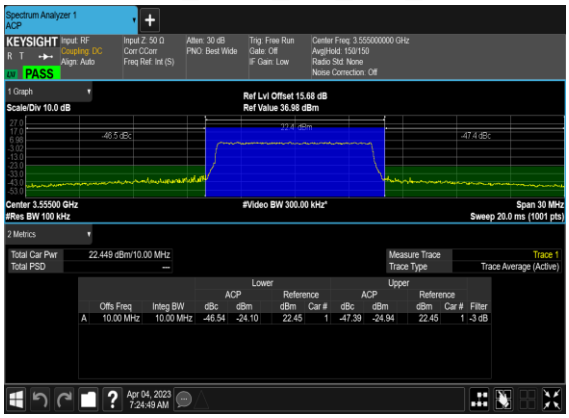
Adjacent Channel Leakage Ratio

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	-16.54	-17.39	**see graph**	PASS
48	30	10	637000	3555.0	DFT-s-OFDM PI/2 BPSK	1@0	-12.93	-21.79	**see graph**	PASS
48	30	10	637000	3555.0	DFT-s-OFDM PI/2 BPSK	1@23	-21.91	-13.39	**see graph**	PASS
48	30	10	637000	3555.0	DFT-s-OFDM QPSK	24@0	-15.62	-16.67	**see graph**	PASS
48	30	10	637000	3555.0	DFT-s-OFDM QPSK	1@0	-16.19	-22.71	**see graph**	PASS
48	30	10	637000	3555.0	DFT-s-OFDM QPSK	1@23	-22.62	-17.27	**see graph**	PASS
48	30	10	641666	3624.99	DFT-s-OFDM PI/2 BPSK	24@0	-16.58	-16.92	**see graph**	PASS
48	30	10	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@0	-11.28	-19.3	**see graph**	PASS
48	30	10	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@23	-19.03	-13.2	**see graph**	PASS
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	24@0	-15.65	-17.53	**see graph**	PASS
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	1@0	-16.84	-21.21	**see graph**	PASS
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	1@23	-21.79	-16.44	**see graph**	PASS
48	30	10	646332	3694.98	DFT-s-OFDM PI/2 BPSK	24@0	-16.44	-17.16	**see graph**	PASS
48	30	10	646332	3694.98	DFT-s-OFDM PI/2 BPSK	1@0	-13.42	-21.04	**see graph**	PASS
48	30	10	646332	3694.98	DFT-s-OFDM PI/2 BPSK	1@23	-21.62	-14.8	**see graph**	PASS
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	24@0	-15.69	-15.86	**see graph**	PASS
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	1@0	-15.67	-21.1	**see graph**	PASS
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	1@23	-21.72	-17.12	**see graph**	PASS
48	30	50	638334	3575.01	DFT-s-OFDM PI/2 BPSK	128@0	-14.86	-14.16	**see graph**	PASS
48	30	50	638334	3575.01	DFT-s-OFDM PI/2 BPSK	1@0	-14.76	-18.21	**see graph**	PASS
48	30	50	638334	3575.01	DFT-s-OFDM PI/2 BPSK	1@132	-18.24	-14.81	**see graph**	PASS
48	30	50	638334	3575.01	DFT-s-OFDM QPSK	128@0	-14.3	-13.56	**see graph**	PASS

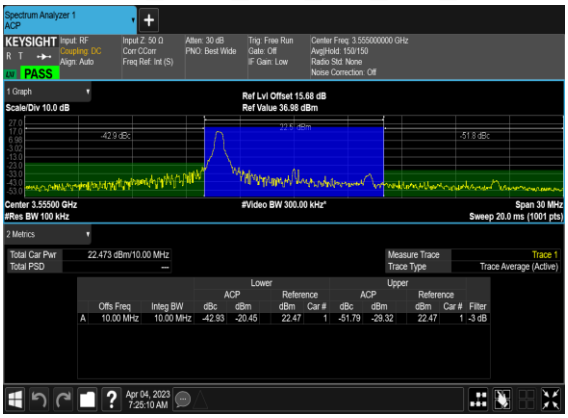
48	30	50	638334	3575.01	DFT-s-OFDM QPSK	1@0	-14.3	-16.68	**see graph**	PASS
48	30	50	638334	3575.01	DFT-s-OFDM QPSK	1@132	-17.59	-14.4	**see graph**	PASS
48	30	50	641666	3624.99	DFT-s-OFDM PI/2 BPSK	128@0	-14.99	-14.31	**see graph**	PASS
48	30	50	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@0	-11.87	-16.75	**see graph**	PASS
48	30	50	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@132	-18.15	-14.04	**see graph**	PASS
48	30	50	641666	3624.99	DFT-s-OFDM QPSK	128@0	-14.71	-13.81	**see graph**	PASS
48	30	50	641666	3624.99	DFT-s-OFDM QPSK	1@0	-14.61	-16.46	**see graph**	PASS
48	30	50	641666	3624.99	DFT-s-OFDM QPSK	1@132	-17.12	-12.88	**see graph**	PASS
48	30	50	645000	3675.0	DFT-s-OFDM PI/2 BPSK	128@0	-14.71	-14.39	**see graph**	PASS
48	30	50	645000	3675.0	DFT-s-OFDM PI/2 BPSK	1@0	-14.01	-16.4	**see graph**	PASS
48	30	50	645000	3675.0	DFT-s-OFDM PI/2 BPSK	1@132	-17.31	-14.52	**see graph**	PASS
48	30	50	645000	3675.0	DFT-s-OFDM QPSK	128@0	-14.51	-13.92	**see graph**	PASS
48	30	50	645000	3675.0	DFT-s-OFDM QPSK	1@0	-13.73	-15.51	**see graph**	PASS
48	30	50	645000	3675.0	DFT-s-OFDM QPSK	1@132	-15.89	-12.25	**see graph**	PASS
48	30	100	640000	3600.0	DFT-s-OFDM PI/2 BPSK	270@0	-12.68	-11.8	**see graph**	PASS
48	30	100	640000	3600.0	DFT-s-OFDM PI/2 BPSK	1@0	-12.37	-14.53	**see graph**	PASS
48	30	100	640000	3600.0	DFT-s-OFDM PI/2 BPSK	1@272	-16.15	-11.04	**see graph**	PASS
48	30	100	640000	3600.0	DFT-s-OFDM QPSK	270@0	-12.96	-11.51	**see graph**	PASS
48	30	100	640000	3600.0	DFT-s-OFDM QPSK	1@0	-13.5	-14.45	**see graph**	PASS
48	30	100	640000	3600.0	DFT-s-OFDM QPSK	1@272	-15.57	-10.78	**see graph**	PASS
48	30	100	641666	3624.99	DFT-s-OFDM PI/2 BPSK	270@0	-12.9	-11.89	**see graph**	PASS
48	30	100	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@0	-12.32	-14.01	**see graph**	PASS
48	30	100	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@272	-16.56	-11.17	**see graph**	PASS
48	30	100	641666	3624.99	DFT-s-OFDM QPSK	270@0	-12.69	-11.16	**see graph**	PASS

48	30	100	641666	3624.99	DFT-s-OFDM QPSK	1@0	-12.09	-13.63	**see graph**	PASS
48	30	100	641666	3624.99	DFT-s-OFDM QPSK	1@272	-16.81	-11.59	**see graph**	PASS
48	30	100	643332	3649.98	DFT-s-OFDM PI/2 BPSK	270@0	-12.73	-11.79	**see graph**	PASS
48	30	100	643332	3649.98	DFT-s-OFDM PI/2 BPSK	1@0	-12.53	-13.36	**see graph**	PASS
48	30	100	643332	3649.98	DFT-s-OFDM PI/2 BPSK	1@272	-16.56	-11.19	**see graph**	PASS
48	30	100	643332	3649.98	DFT-s-OFDM QPSK	270@0	-13.09	-11.42	**see graph**	PASS
48	30	100	643332	3649.98	DFT-s-OFDM QPSK	1@0	-13.14	-13.77	**see graph**	PASS
48	30	100	643332	3649.98	DFT-s-OFDM QPSK	1@272	-15.58	-10.51	**see graph**	PASS

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

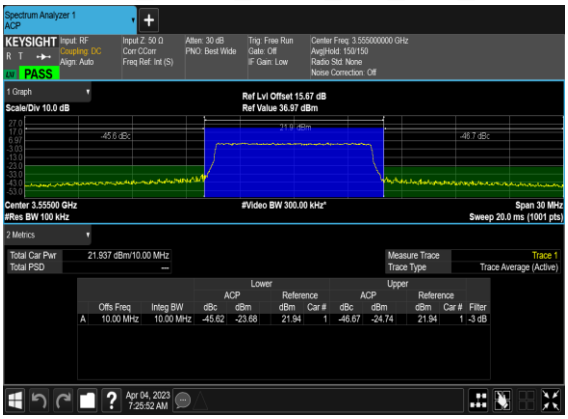


N48(10M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH

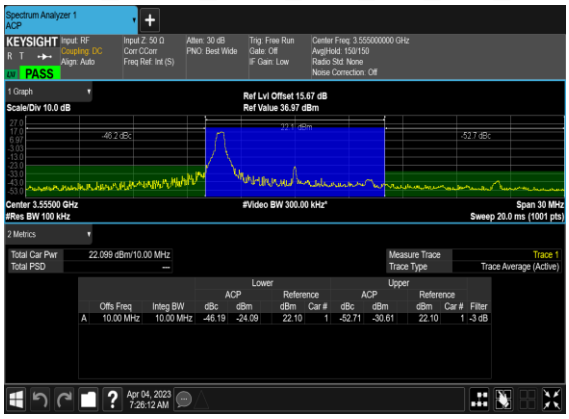


N48(10M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Right_Low_CH

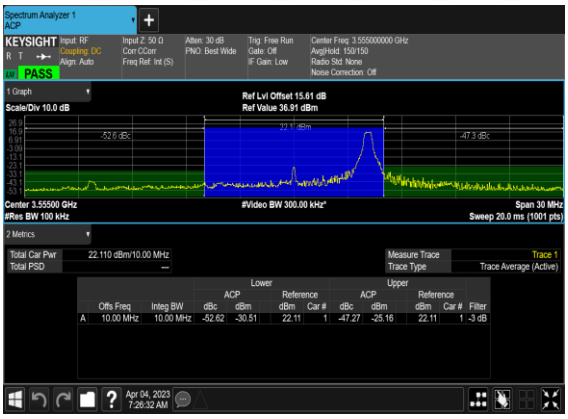
N48(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



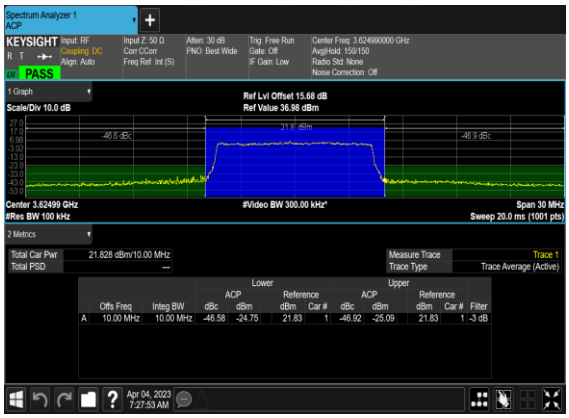
N48(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



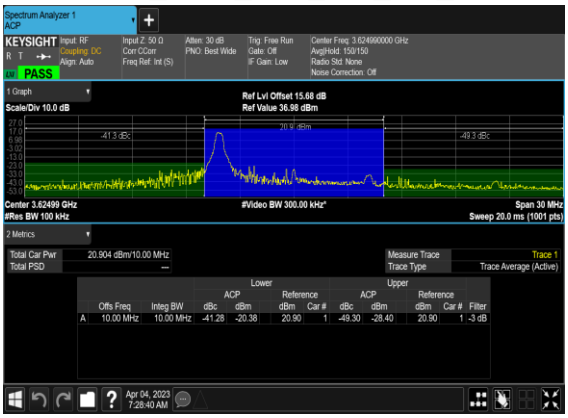
N48(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Low_CH



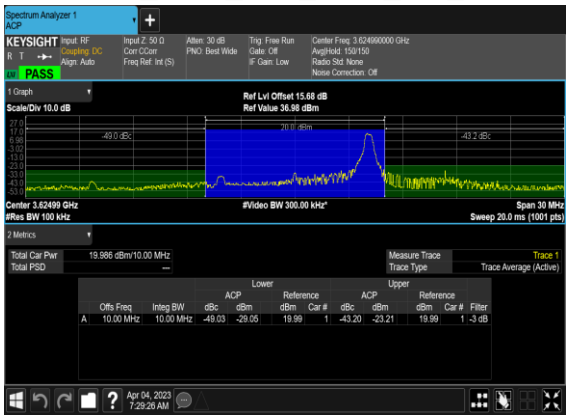
N48(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



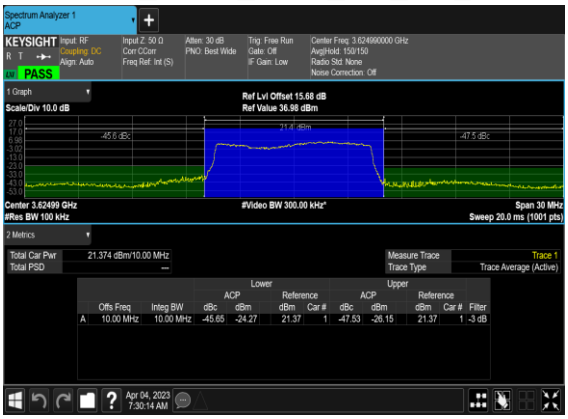
N48(10M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



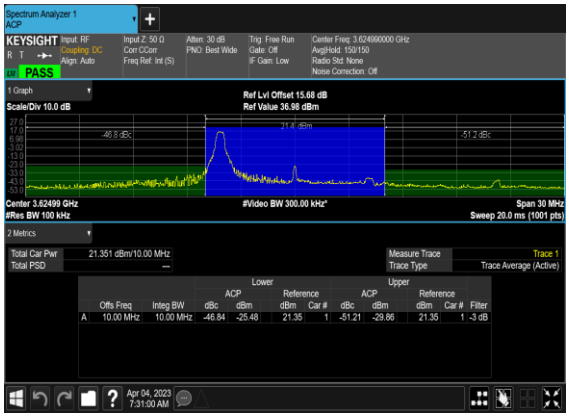
N48(10M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Right_Mid_CH



N48(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N48(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N48(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH