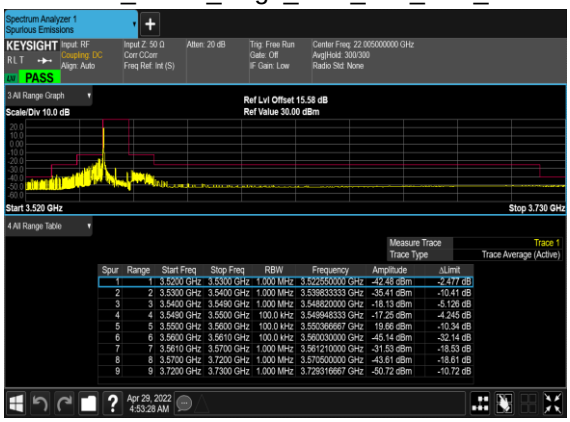
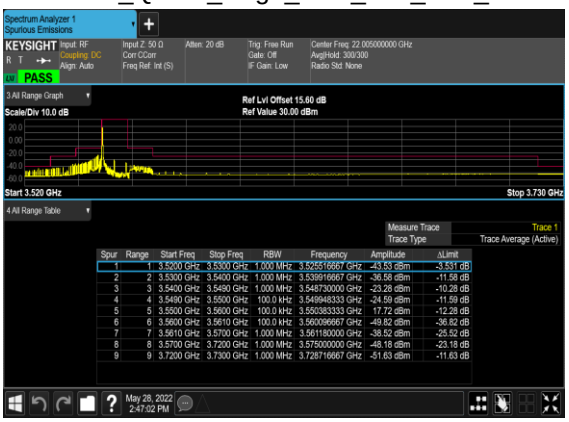
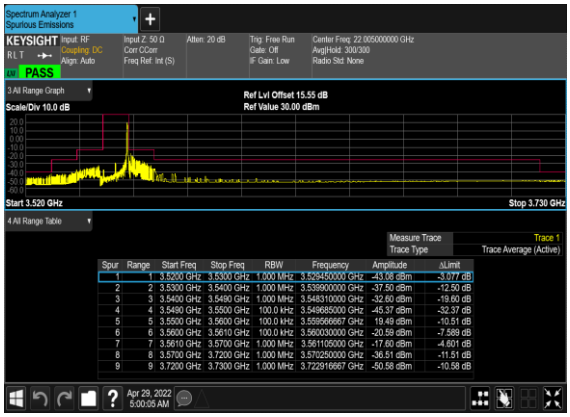
N48(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



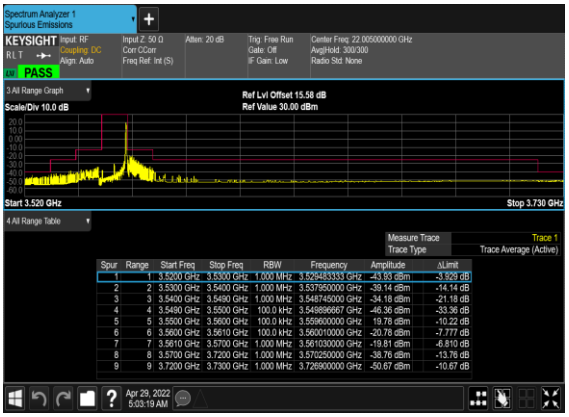
N48(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



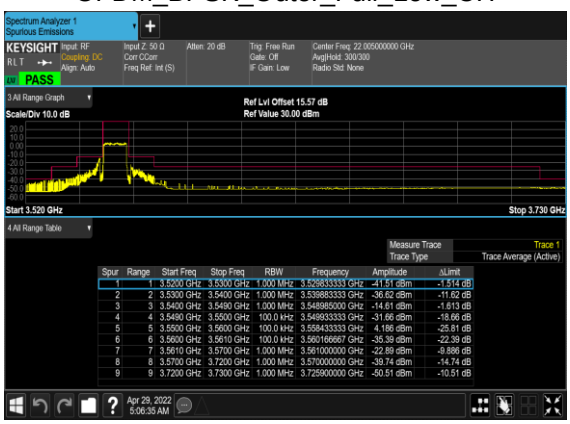
N48(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Low_CH



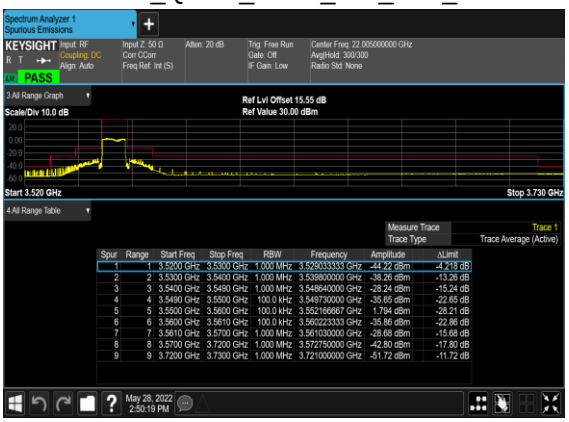
N48(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Low_CH



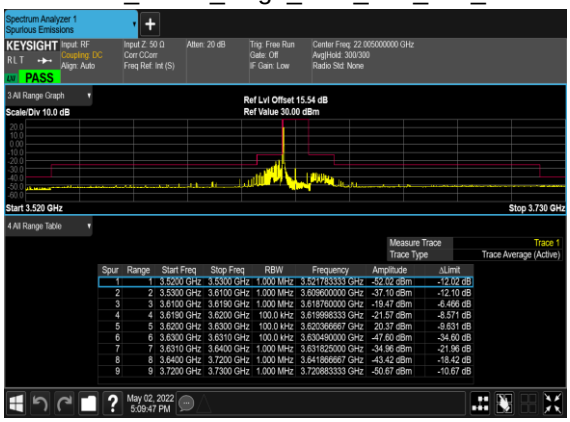
N48(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



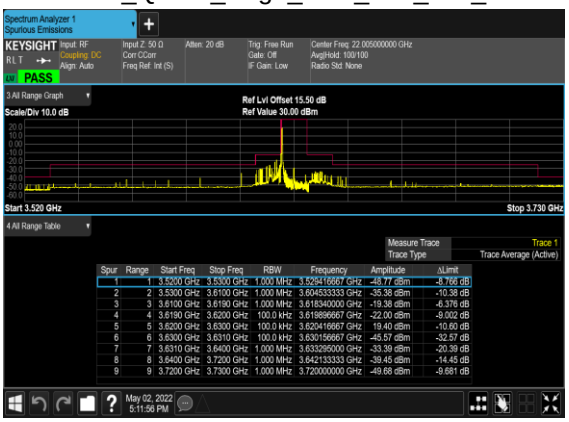
N48(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



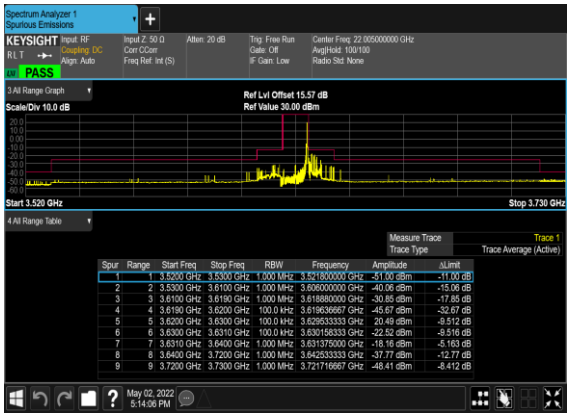
N48(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



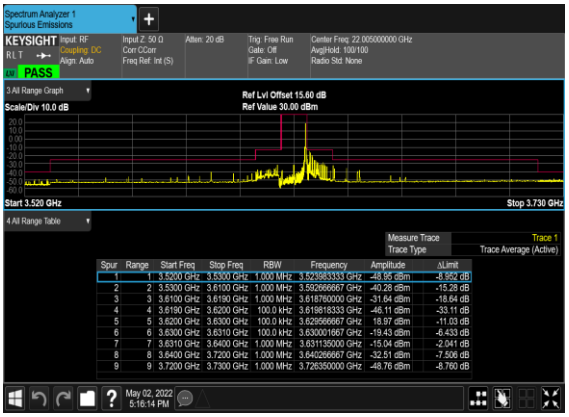
N48(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



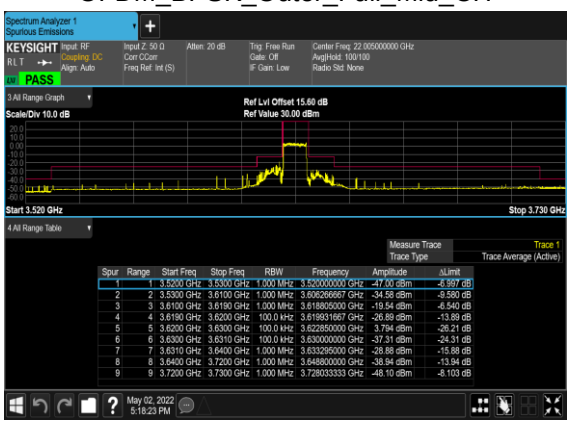
N48(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



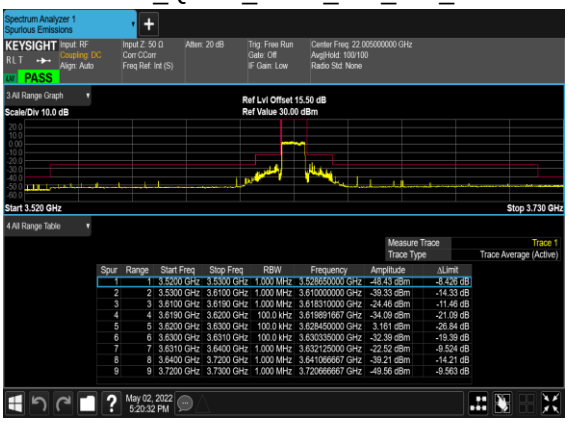
N48(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



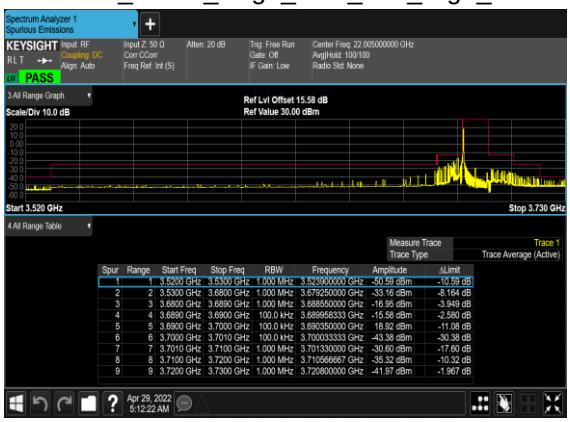
N48(10M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



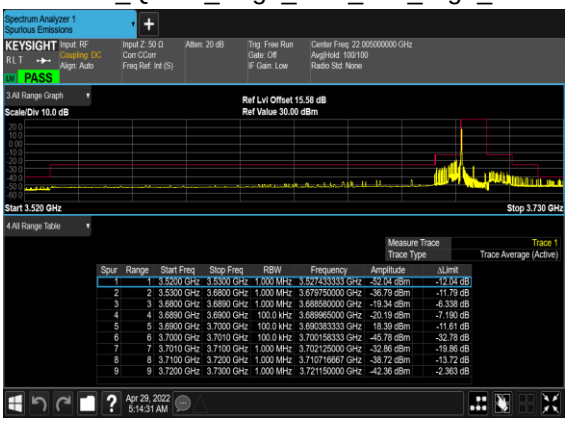
N48(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



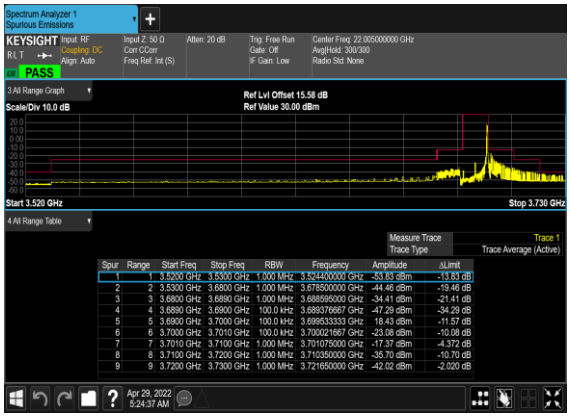
N48(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



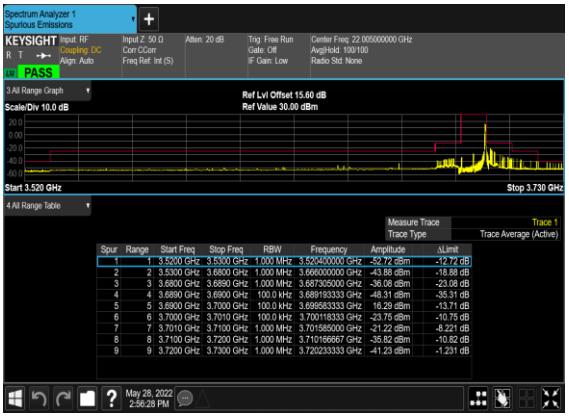
N48(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



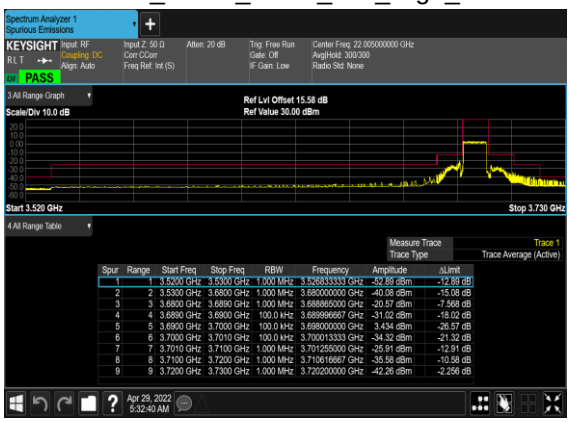
N48(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



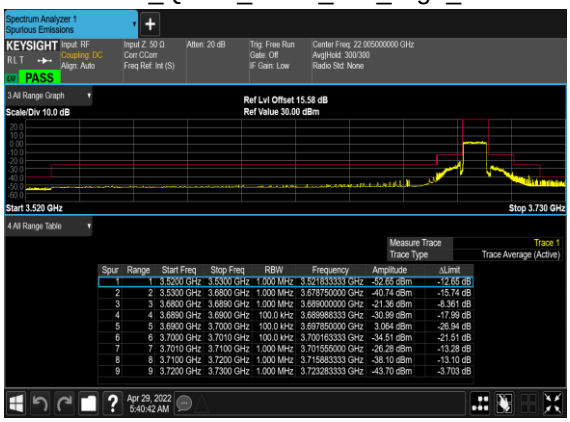
N48(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



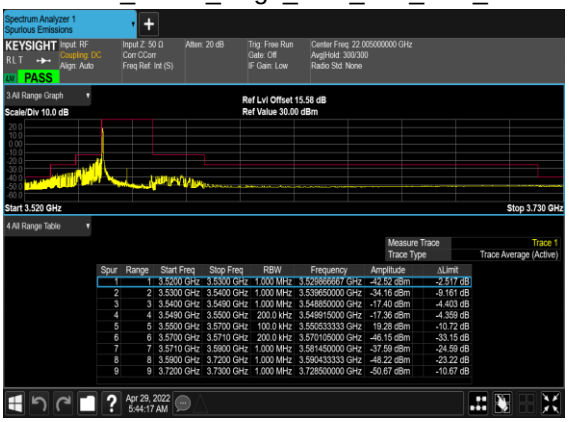
N48(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



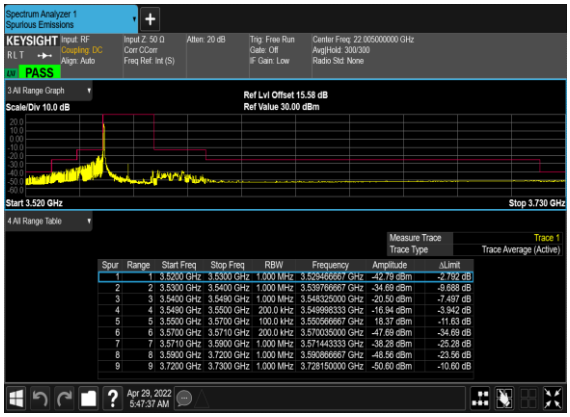
N48(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



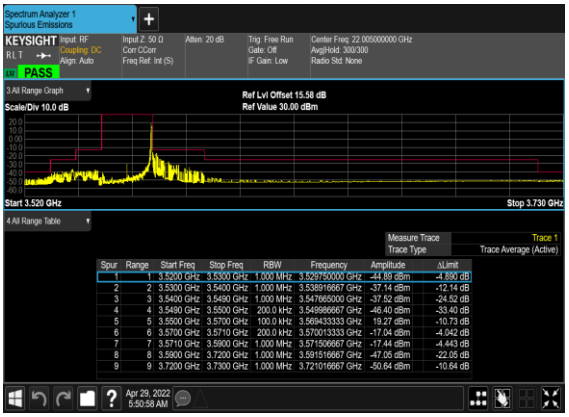
N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



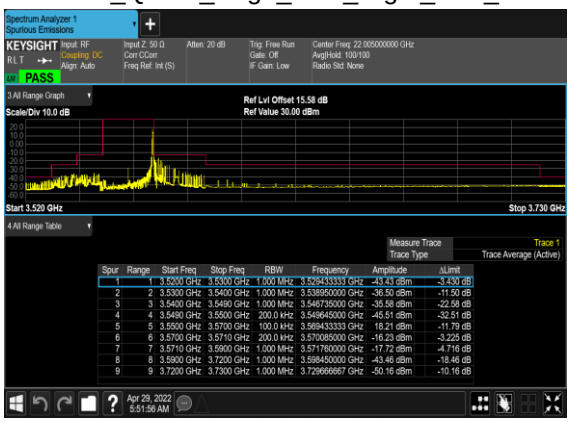
N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



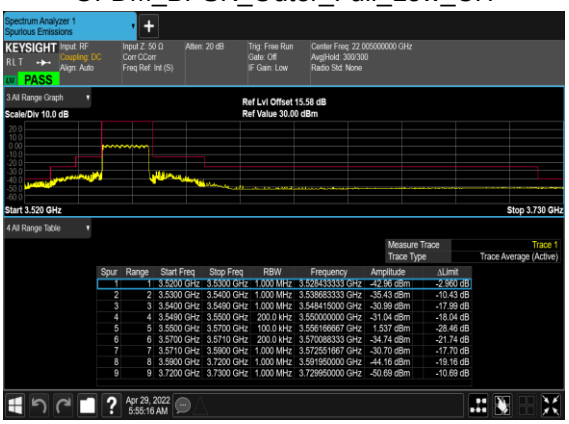
N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Low_CH



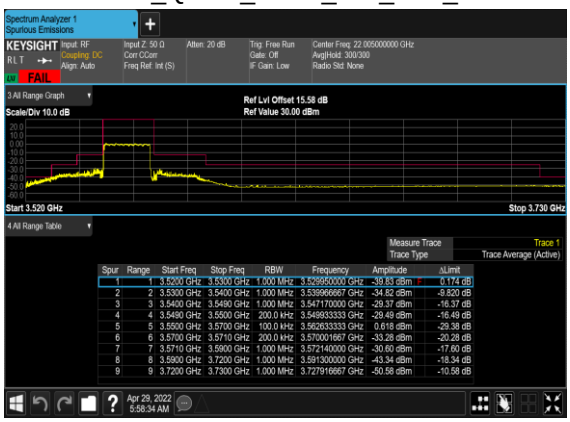
N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Low_CH



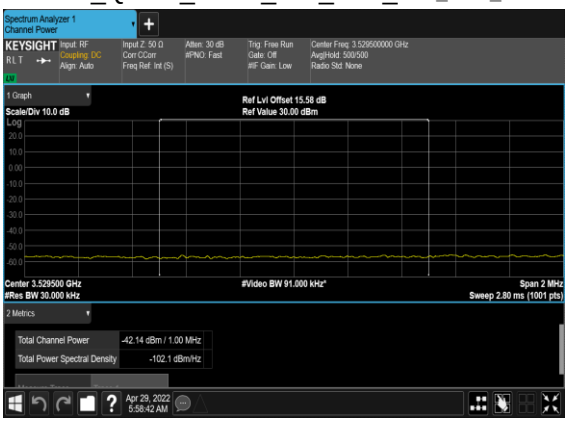
N48(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



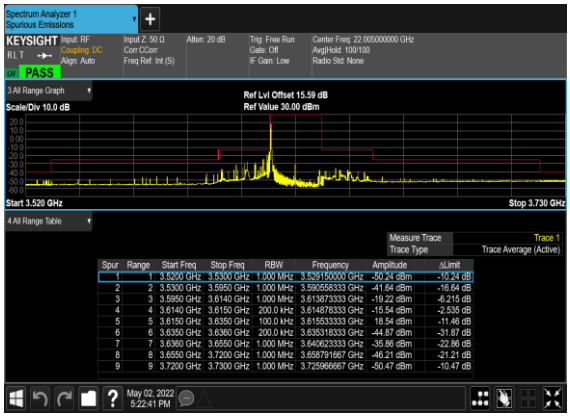
N48(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



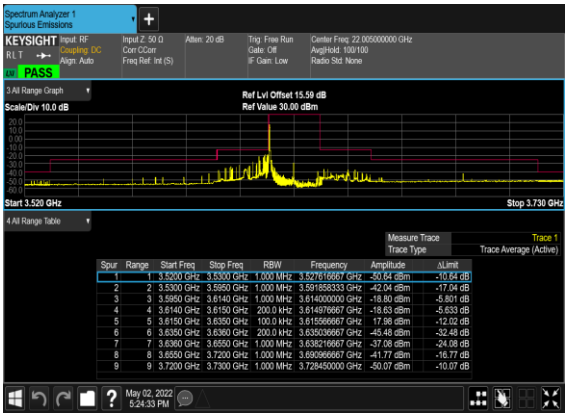
N48(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH_**CHP_PASS**



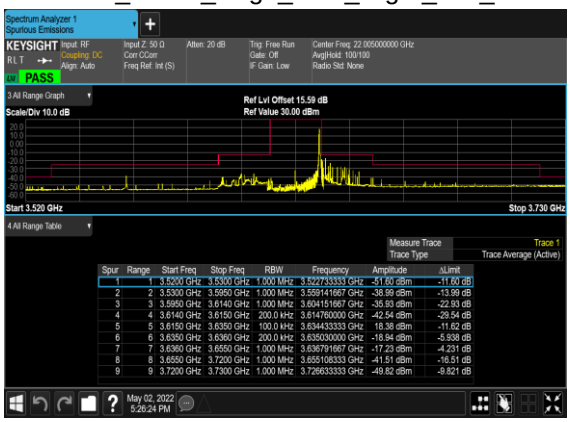
N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



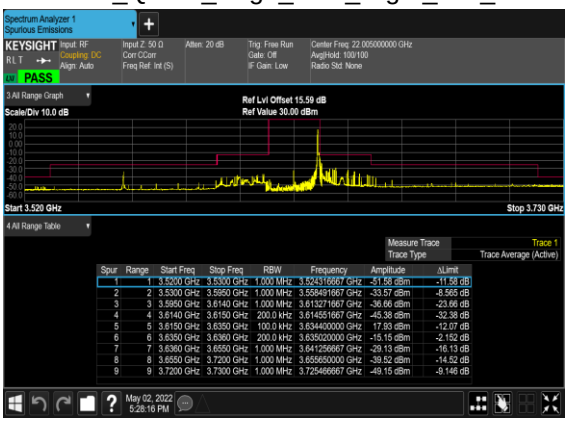
N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



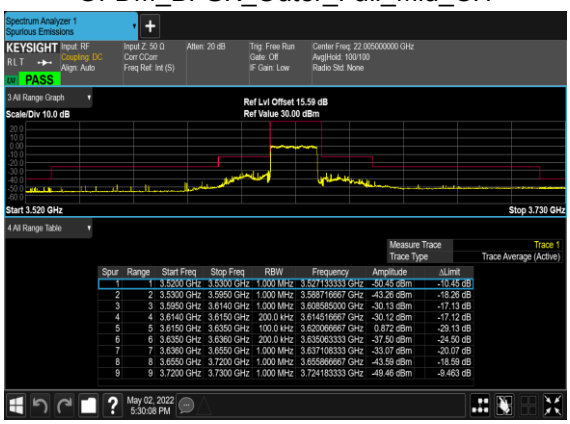
N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



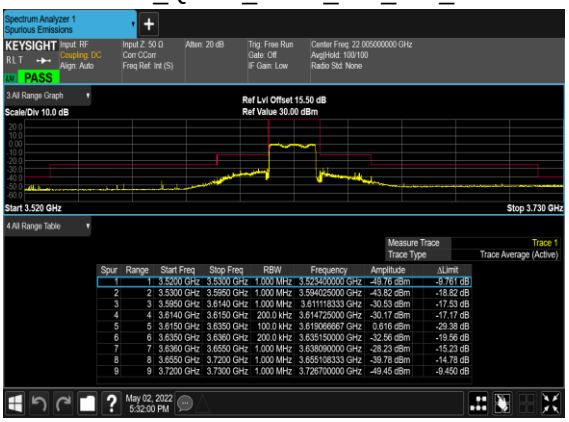
N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



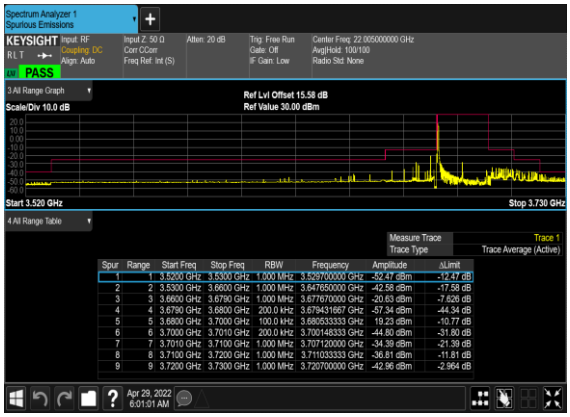
N48(20M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



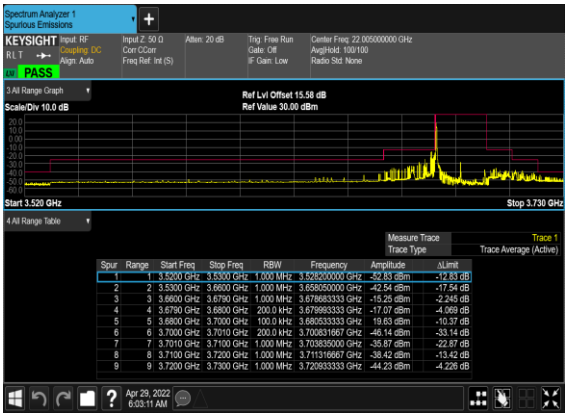
N48(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



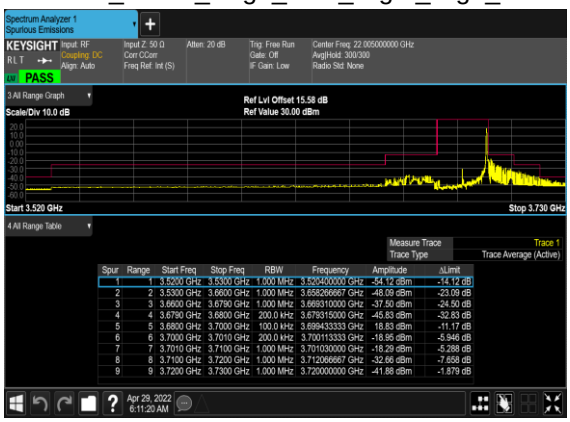
N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



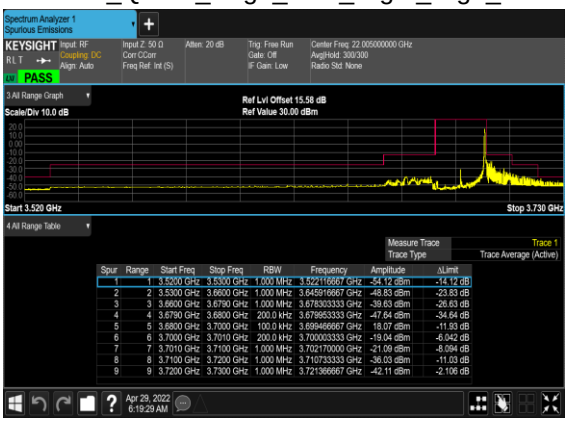
N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



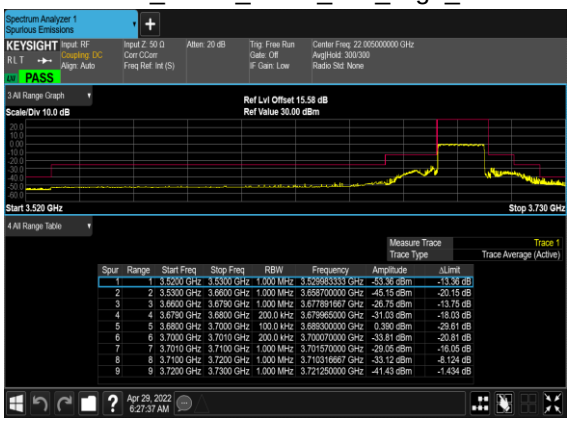
N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



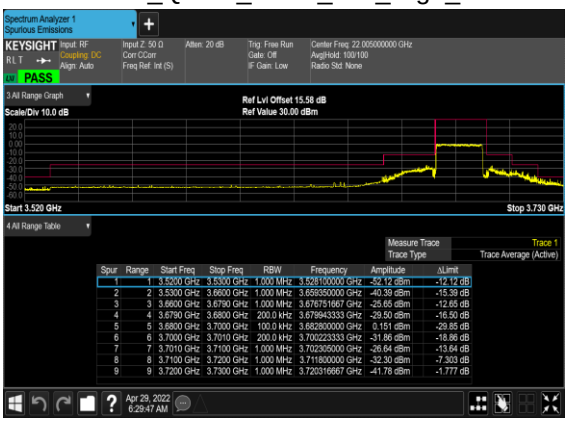
N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



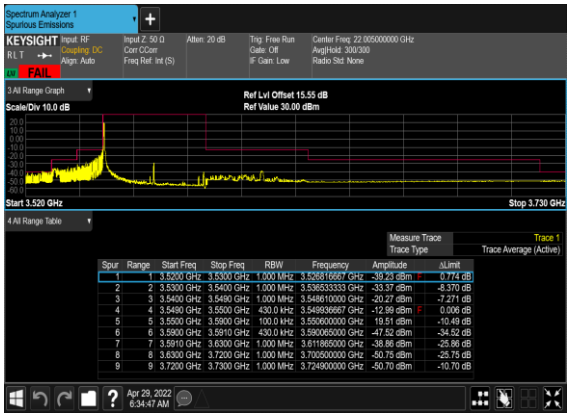
N48(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



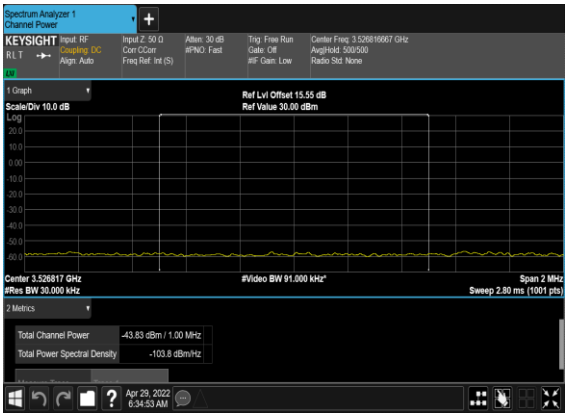
N48(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

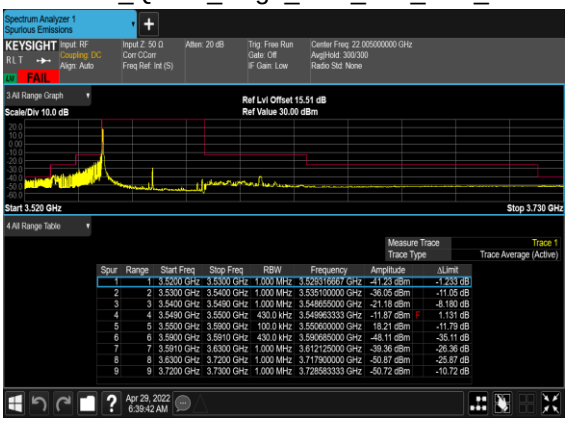


N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**



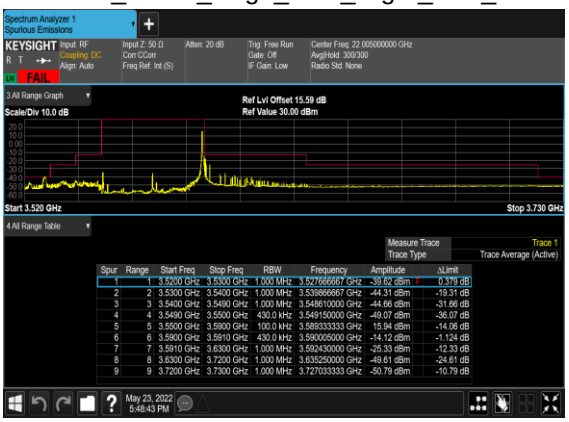
N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**

N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



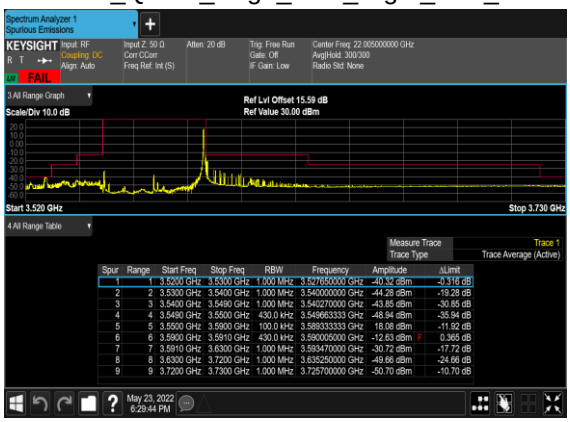
N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**

N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Low_CH



N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Low_CH_**CHP_PASS**

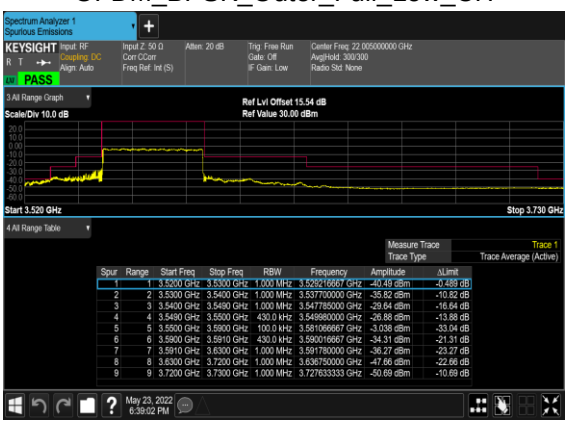
N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Low_CH



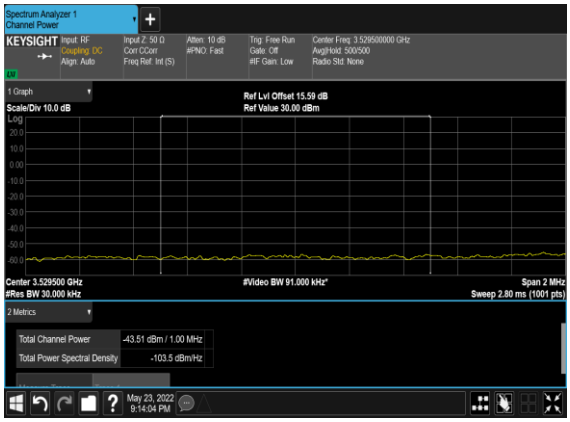
N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Low_CH_**CHP_PASS**

N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Low_CH_**CHP_PASS**

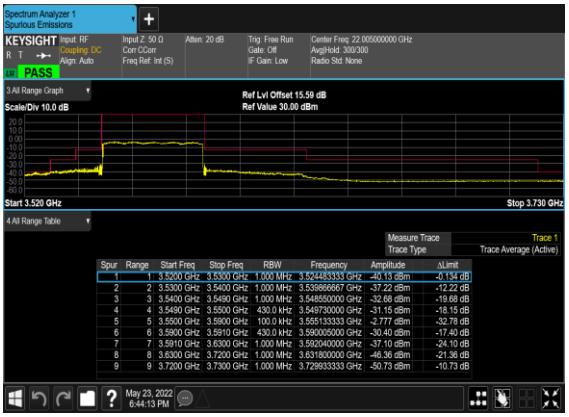
N48(40M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



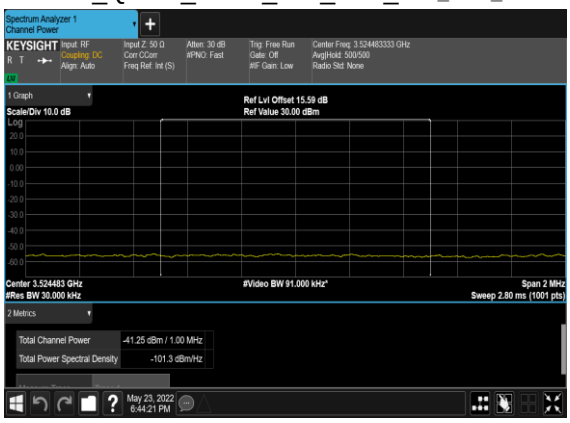
N48(40M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH_**CHP_PASS**



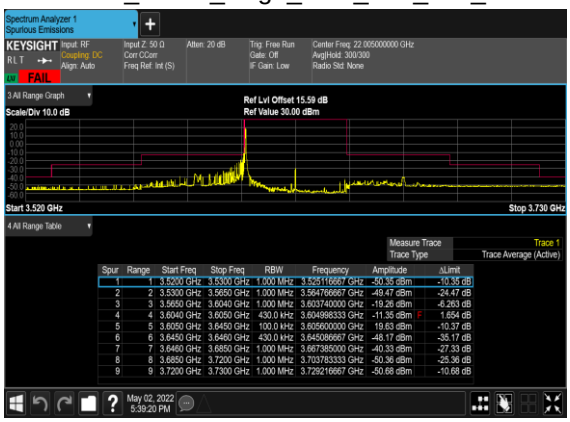
N48(40M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N48(40M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH_**CHP_PASS**

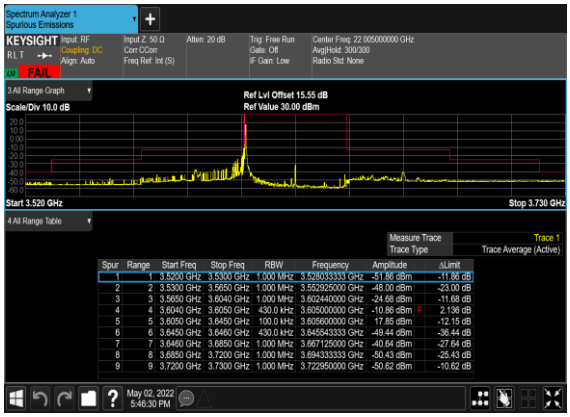


N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



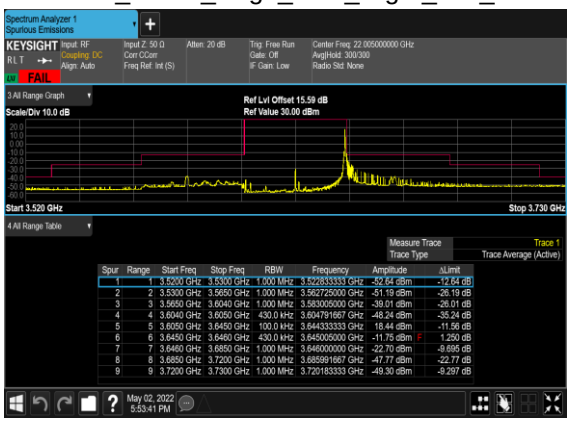
N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH_**CHP_PASS**

N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

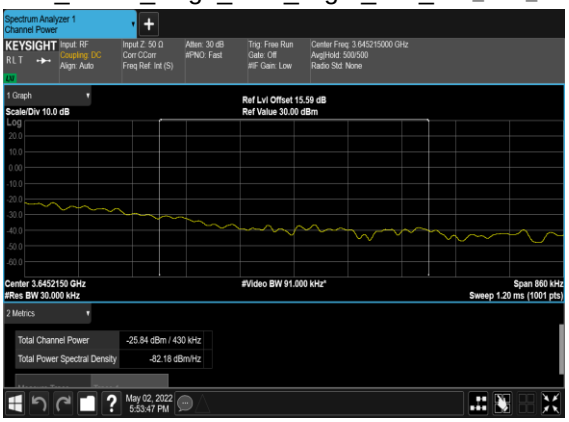


N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH_**CHP_PASS**

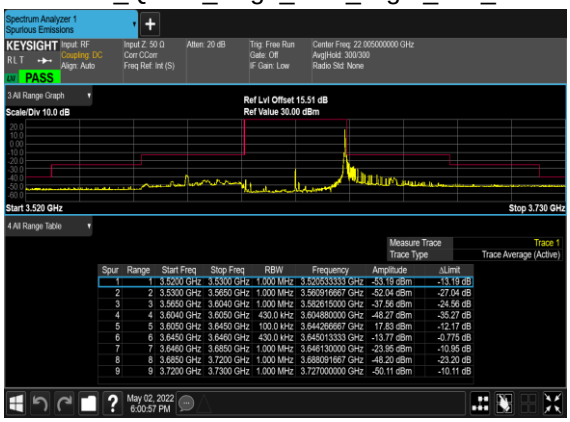
N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH_**CHP_PASS**

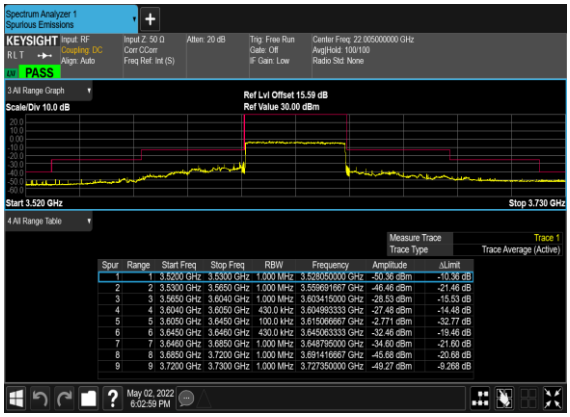


N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH

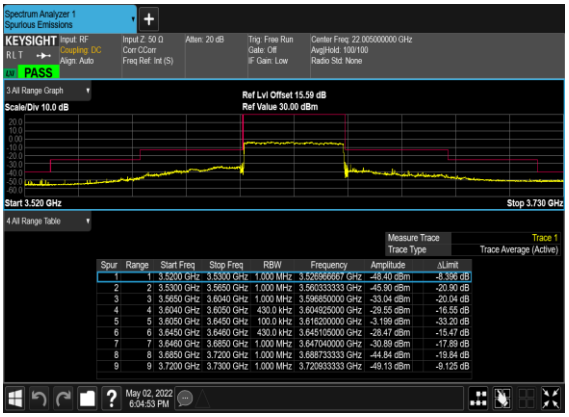


N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH_**CHP_PASS**

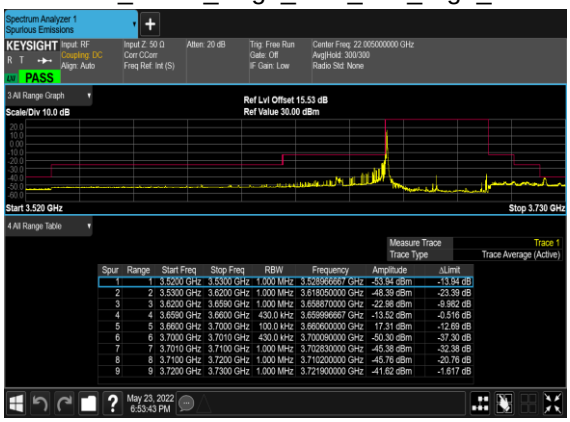
N48(40M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



N48(40M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

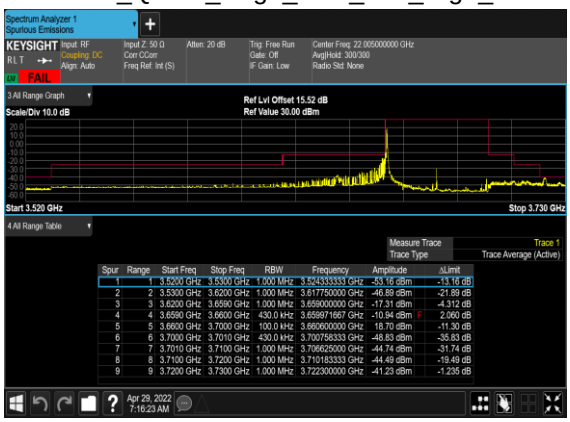


N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



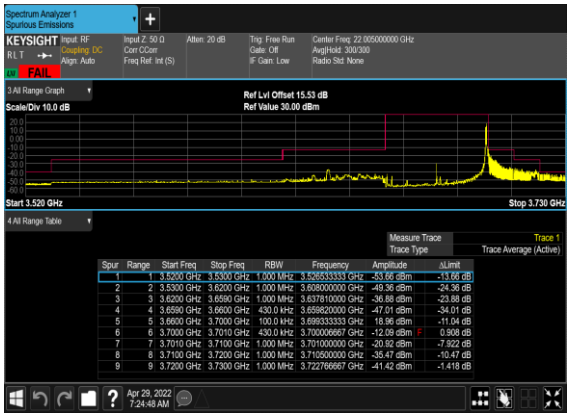
N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH_**CHP_PASS**

N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



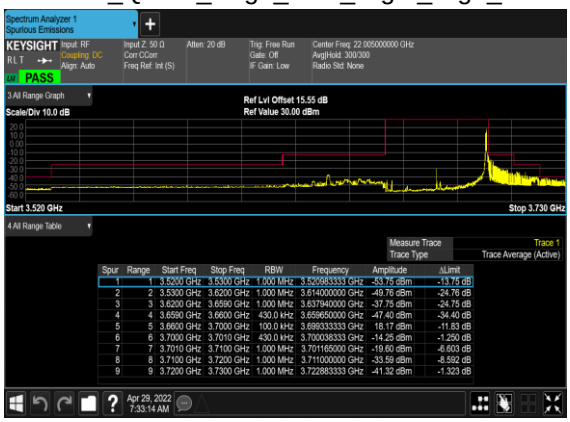
N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH_**CHP_PASS**

N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

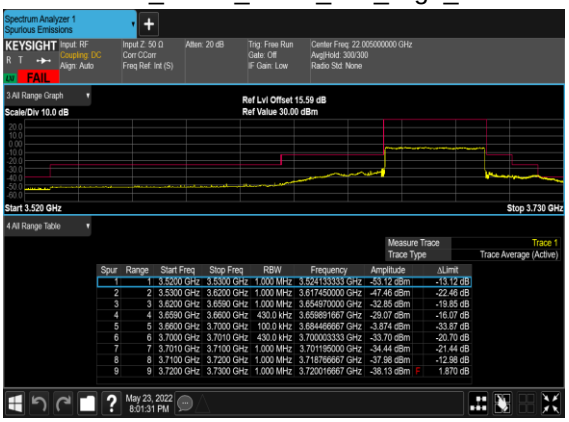


N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_**CHP_PASS**

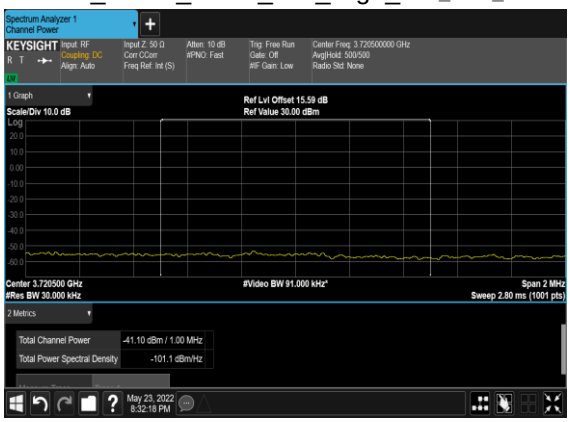
N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N48(40M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

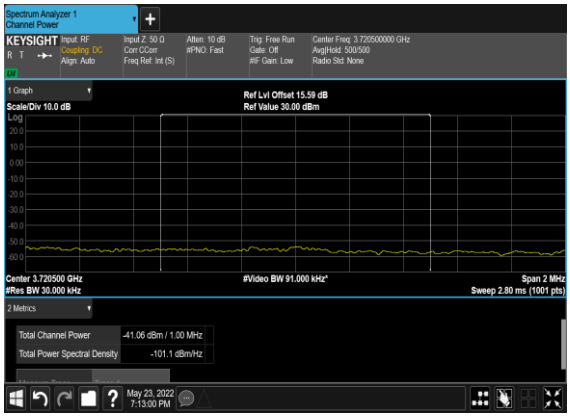


N48(40M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH_**CHP_PASS**



N48(40M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

N48(40M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH_**CHP_PASS**



FR1 N48 SCS 30kHz (ANT3)

Conducted Power and EIRP (ANT gain=-6.0dBi)

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 PI/2 BPSK	12@6	22.29	16.29	0.0426
48	30	10	637000	3555	DFT-s-OFDM PI/2 BPSK	1@1	22.34	16.34	0.0431
48	30	10	637000	3555	DFT-s-OFDM PI/2 BPSK	1@22	22.25	16.25	0.0422
48	30	10	637000	3555	DFT-s-OFDM QPSK	12@6	22.37	16.37	0.0434
48	30	10	637000	3555	DFT-s-OFDM QPSK	1@1	22.32	16.32	0.0429
48	30	10	637000	3555	DFT-s-OFDM QPSK	1@22	22.28	16.28	0.0425
48	30	10	637000	3555	DFT-s-OFDM 16 QAM	12@6	21.3	15.3	0.0339
48	30	10	637000	3555	DFT-s-OFDM 16 QAM	1@1	21.31	15.31	0.0340
48	30	10	637000	3555	DFT-s-OFDM 16 QAM	1@22	21.26	15.26	0.0336
48	30	10	637000	3555	DFT-s-OFDM 64 QAM	12@6	19.82	13.82	0.0241
48	30	10	637000	3555	DFT-s-OFDM 64 QAM	1@1	19.66	13.66	0.0232
48	30	10	637000	3555	DFT-s-OFDM 64 QAM	1@22	19.61	13.61	0.0230
48	30	10	637000	3555	DFT-s-OFDM 256 QAM	12@6	17.77	11.77	0.0150
48	30	10	637000	3555	DFT-s-OFDM 256 QAM	1@1	17.75	11.75	0.0150
48	30	10	637000	3555	DFT-s-OFDM 256 QAM	1@22	17.77	11.77	0.0150
48	30	10	637000	3555	CP-OFDM QPSK	12@6	20.81	14.81	0.0303
48	30	10	637000	3555	CP-OFDM QPSK	1@1	20.78	14.78	0.0301
48	30	10	637000	3555	CP-OFDM QPSK	1@22	20.72	14.72	0.0296
48	30	10	641666	3624.99	DFT-s-OFDM PI/2 BPSK	12@6	22.52	16.52	0.0449
48	30	10	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@1	22.35	16.35	0.0432
48	30	10	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@22	22.42	16.42	0.0439
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	12@6	22.35	16.35	0.0432
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	1@1	22.42	16.42	0.0439
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	1@22	22.36	16.36	0.0433
48	30	10	641666	3624.99	DFT-s-OFDM 16 QAM	12@6	22.26	16.26	0.0423
48	30	10	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	22.21	16.21	0.0418
48	30	10	641666	3624.99	DFT-s-OFDM 16 QAM	1@22	22.21	16.21	0.0418
48	30	10	641666	3624.99	DFT-s-OFDM	12@6	20.8	14.8	0.0302

					64 QAM				
48	30	10	641666	3624.99	DFT-s-OFDM 64 QAM	1@1	20.65	14.65	0.0292
48	30	10	641666	3624.99	DFT-s-OFDM 64 QAM	1@22	20.58	14.58	0.0287
48	30	10	641666	3624.99	DFT-s-OFDM 256 QAM	12@6	18.63	12.63	0.0183
48	30	10	641666	3624.99	DFT-s-OFDM 256 QAM	1@1	18.59	12.59	0.0182
48	30	10	641666	3624.99	DFT-s-OFDM 256 QAM	1@22	18.49	12.49	0.0177
48	30	10	641666	3624.99	CP-OFDM QPSK	12@6	21.74	15.74	0.0375
48	30	10	641666	3624.99	CP-OFDM QPSK	1@1	21.68	15.68	0.0370
48	30	10	641666	3624.99	CP-OFDM QPSK	1@22	21.68	15.68	0.0370
48	30	10	646332	3694.98	DFT-s-OFDM PI/2 BPSK	12@6	22.42	16.42	0.0439
48	30	10	646332	3694.98	DFT-s-OFDM PI/2 BPSK	1@1	22.27	16.27	0.0424
48	30	10	646332	3694.98	DFT-s-OFDM PI/2 BPSK	1@22	22.1	16.1	0.0407
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	12@6	22.3	16.3	0.0427
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	1@1	22.26	16.26	0.0423
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	1@22	22.09	16.09	0.0406
48	30	10	646332	3694.98	DFT-s-OFDM 16 QAM	12@6	21.23	15.23	0.0333
48	30	10	646332	3694.98	DFT-s-OFDM 16 QAM	1@1	21.31	15.31	0.0340
48	30	10	646332	3694.98	DFT-s-OFDM 16 QAM	1@22	21.12	15.12	0.0325
48	30	10	646332	3694.98	DFT-s-OFDM 64 QAM	12@6	19.81	13.81	0.0240
48	30	10	646332	3694.98	DFT-s-OFDM 64 QAM	1@1	19.7	13.7	0.0234
48	30	10	646332	3694.98	DFT-s-OFDM 64 QAM	1@22	19.5	13.5	0.0224
48	30	10	646332	3694.98	DFT-s-OFDM 256 QAM	12@6	17.68	11.68	0.0147
48	30	10	646332	3694.98	DFT-s-OFDM 256 QAM	1@1	17.66	11.66	0.0147
48	30	10	646332	3694.98	DFT-s-OFDM 256 QAM	1@22	17.47	11.47	0.0140
48	30	10	646332	3694.98	CP-OFDM QPSK	12@6	20.73	14.73	0.0297
48	30	10	646332	3694.98	CP-OFDM QPSK	1@1	20.78	14.78	0.0301
48	30	10	646332	3694.98	CP-OFDM QPSK	1@22	20.58	14.58	0.0287
48	30	15	637168	3557.52	DFT-s-OFDM PI/2 BPSK	18@9	22.29	16.29	0.0426
48	30	15	637168	3557.52	DFT-s-OFDM PI/2 BPSK	1@1	22.36	16.36	0.0433
48	30	15	637168	3557.52	DFT-s-OFDM PI/2 BPSK	1@36	22.26	16.26	0.0423
48	30	15	637168	3557.52	DFT-s-OFDM QPSK	18@9	22.37	16.37	0.0434
48	30	15	637168	3557.52	DFT-s-OFDM QPSK	1@1	22.28	16.28	0.0425
48	30	15	637168	3557.52	DFT-s-OFDM QPSK	1@36	22.25	16.25	0.0422
48	30	15	637168	3557.52	DFT-s-OFDM 16 QAM	18@9	21.32	15.32	0.0340

48	30	15	637168	3557.52	DFT-s-OFDM 16 QAM	1@1	21.26	15.26	0.0336
48	30	15	637168	3557.52	DFT-s-OFDM 16 QAM	1@36	21.19	15.19	0.0330
48	30	15	637168	3557.52	DFT-s-OFDM 64 QAM	18@9	19.75	13.75	0.0237
48	30	15	637168	3557.52	DFT-s-OFDM 64 QAM	1@1	19.79	13.79	0.0239
48	30	15	637168	3557.52	DFT-s-OFDM 64 QAM	1@36	19.69	13.69	0.0234
48	30	15	637168	3557.52	DFT-s-OFDM 256 QAM	18@9	17.73	11.73	0.0149
48	30	15	637168	3557.52	DFT-s-OFDM 256 QAM	1@1	17.66	11.66	0.0147
48	30	15	637168	3557.52	DFT-s-OFDM 256 QAM	1@36	17.63	11.63	0.0146
48	30	15	637168	3557.52	CP-OFDM QPSK	19@9	20.77	14.77	0.0300
48	30	15	637168	3557.52	CP-OFDM QPSK	1@1	20.77	14.77	0.0300
48	30	15	637168	3557.52	CP-OFDM QPSK	1@36	20.73	14.73	0.0297
48	30	15	641666	3624.99	DFT-s-OFDM PI/2 BPSK	18@9	22.36	16.36	0.0433
48	30	15	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@1	22.35	16.35	0.0432
48	30	15	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@36	22.45	16.45	0.0442
48	30	15	641666	3624.99	DFT-s-OFDM QPSK	18@9	22.36	16.36	0.0433
48	30	15	641666	3624.99	DFT-s-OFDM QPSK	1@1	22.45	16.45	0.0442
48	30	15	641666	3624.99	DFT-s-OFDM QPSK	1@36	22.32	16.32	0.0429
48	30	15	641666	3624.99	DFT-s-OFDM 16 QAM	18@9	22.26	16.26	0.0423
48	30	15	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	22.13	16.13	0.0410
48	30	15	641666	3624.99	DFT-s-OFDM 16 QAM	1@36	22.15	16.15	0.0412
48	30	15	641666	3624.99	DFT-s-OFDM 64 QAM	18@9	20.7	14.7	0.0295
48	30	15	641666	3624.99	DFT-s-OFDM 64 QAM	1@1	20.61	14.61	0.0289
48	30	15	641666	3624.99	DFT-s-OFDM 64 QAM	1@36	20.59	14.59	0.0288
48	30	15	641666	3624.99	DFT-s-OFDM 256 QAM	18@9	18.65	12.65	0.0184
48	30	15	641666	3624.99	DFT-s-OFDM 256 QAM	1@1	18.55	12.55	0.0180
48	30	15	641666	3624.99	DFT-s-OFDM 256 QAM	1@36	18.51	12.51	0.0178
48	30	15	641666	3624.99	CP-OFDM QPSK	19@9	21.7	15.7	0.0372
48	30	15	641666	3624.99	CP-OFDM QPSK	1@1	21.66	15.66	0.0368
48	30	15	641666	3624.99	CP-OFDM QPSK	1@36	21.63	15.63	0.0366
48	30	15	646166	3692.49	DFT-s-OFDM PI/2 BPSK	18@9	22.34	16.34	0.0431
48	30	15	646166	3692.49	DFT-s-OFDM PI/2 BPSK	1@1	22.31	16.31	0.0428
48	30	15	646166	3692.49	DFT-s-OFDM PI/2 BPSK	1@36	22.06	16.06	0.0404
48	30	15	646166	3692.49	DFT-s-OFDM QPSK	18@9	22.34	16.34	0.0431
48	30	15	646166	3692.49	DFT-s-OFDM QPSK	1@1	22.32	16.32	0.0429

48	30	15	646166	3692.49	DFT-s-OFDM QPSK	1@36	22.1	16.1	0.0407
48	30	15	646166	3692.49	DFT-s-OFDM 16 QAM	18@9	21.34	15.34	0.0342
48	30	15	646166	3692.49	DFT-s-OFDM 16 QAM	1@1	21.28	15.28	0.0337
48	30	15	646166	3692.49	DFT-s-OFDM 16 QAM	1@36	21.03	15.03	0.0318
48	30	15	646166	3692.49	DFT-s-OFDM 64 QAM	18@9	19.78	13.78	0.0239
48	30	15	646166	3692.49	DFT-s-OFDM 64 QAM	1@1	19.8	13.8	0.0240
48	30	15	646166	3692.49	DFT-s-OFDM 64 QAM	1@36	19.58	13.58	0.0228
48	30	15	646166	3692.49	DFT-s-OFDM 256 QAM	18@9	17.76	11.76	0.0150
48	30	15	646166	3692.49	DFT-s-OFDM 256 QAM	1@1	17.67	11.67	0.0147
48	30	15	646166	3692.49	DFT-s-OFDM 256 QAM	1@36	17.42	11.42	0.0139
48	30	15	646166	3692.49	CP-OFDM QPSK	19@9	20.79	14.79	0.0301
48	30	15	646166	3692.49	CP-OFDM QPSK	1@1	20.87	14.87	0.0307
48	30	15	646166	3692.49	CP-OFDM QPSK	1@36	20.59	14.59	0.0288
48	30	20	637334	3560.01	DFT-s-OFDM PI/2 BPSK	25@12	22.39	16.39	0.0436
48	30	20	637334	3560.01	DFT-s-OFDM PI/2 BPSK	1@1	22.33	16.33	0.0430
48	30	20	637334	3560.01	DFT-s-OFDM PI/2 BPSK	1@49	22.36	16.36	0.0433
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	25@12	22.39	16.39	0.0436
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@1	22.34	16.34	0.0431
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@49	22.4	16.4	0.0437
48	30	20	637334	3560.01	DFT-s-OFDM 16 QAM	25@12	21.33	15.33	0.0341
48	30	20	637334	3560.01	DFT-s-OFDM 16 QAM	1@1	21.25	15.25	0.0335
48	30	20	637334	3560.01	DFT-s-OFDM 16 QAM	1@49	21.38	15.38	0.0345
48	30	20	637334	3560.01	DFT-s-OFDM 64 QAM	25@12	19.84	13.84	0.0242
48	30	20	637334	3560.01	DFT-s-OFDM 64 QAM	1@1	19.72	13.72	0.0236
48	30	20	637334	3560.01	DFT-s-OFDM 64 QAM	1@49	19.68	13.68	0.0233
48	30	20	637334	3560.01	DFT-s-OFDM 256 QAM	25@12	17.76	11.76	0.0150
48	30	20	637334	3560.01	DFT-s-OFDM 256 QAM	1@1	17.84	11.84	0.0153
48	30	20	637334	3560.01	DFT-s-OFDM 256 QAM	1@49	17.84	11.84	0.0153
48	30	20	637334	3560.01	CP-OFDM QPSK	25@12	20.88	14.88	0.0308
48	30	20	637334	3560.01	CP-OFDM QPSK	1@1	20.84	14.84	0.0305
48	30	20	637334	3560.01	CP-OFDM QPSK	1@49	20.91	14.91	0.0310
48	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	25@12	22.45	16.45	0.0442
48	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@1	22.36	16.36	0.0433
48	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@49	22.45	16.45	0.0442

48	30	20	641666	3624.99	DFT-s-OFDM QPSK	25@12	22.36	16.36	0.0433
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@1	22.35	16.35	0.0432
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@49	22.45	16.45	0.0442
48	30	20	641666	3624.99	DFT-s-OFDM 16 QAM	25@12	22.27	16.27	0.0424
48	30	20	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	22.16	16.16	0.0413
48	30	20	641666	3624.99	DFT-s-OFDM 16 QAM	1@49	22.19	16.19	0.0416
48	30	20	641666	3624.99	DFT-s-OFDM 64 QAM	25@12	20.72	14.72	0.0296
48	30	20	641666	3624.99	DFT-s-OFDM 64 QAM	1@1	20.67	14.67	0.0293
48	30	20	641666	3624.99	DFT-s-OFDM 64 QAM	1@49	20.65	14.65	0.0292
48	30	20	641666	3624.99	DFT-s-OFDM 256 QAM	25@12	18.64	12.64	0.0184
48	30	20	641666	3624.99	DFT-s-OFDM 256 QAM	1@1	18.47	12.47	0.0177
48	30	20	641666	3624.99	DFT-s-OFDM 256 QAM	1@49	18.49	12.49	0.0177
48	30	20	641666	3624.99	CP-OFDM QPSK	25@12	21.74	15.74	0.0375
48	30	20	641666	3624.99	CP-OFDM QPSK	1@1	21.67	15.67	0.0369
48	30	20	641666	3624.99	CP-OFDM QPSK	1@49	21.74	15.74	0.0375
48	30	20	646000	3690	DFT-s-OFDM PI/2 BPSK	25@12	22.44	16.44	0.0441
48	30	20	646000	3690	DFT-s-OFDM PI/2 BPSK	1@1	22.48	16.48	0.0445
48	30	20	646000	3690	DFT-s-OFDM PI/2 BPSK	1@49	22.13	16.13	0.0410
48	30	20	646000	3690	DFT-s-OFDM QPSK	25@12	22.4	16.4	0.0437
48	30	20	646000	3690	DFT-s-OFDM QPSK	1@1	22.43	16.43	0.0440
48	30	20	646000	3690	DFT-s-OFDM QPSK	1@49	22.11	16.11	0.0408
48	30	20	646000	3690	DFT-s-OFDM 16 QAM	25@12	21.38	15.38	0.0345
48	30	20	646000	3690	DFT-s-OFDM 16 QAM	1@1	21.5	15.5	0.0355
48	30	20	646000	3690	DFT-s-OFDM 16 QAM	1@49	21.1	15.1	0.0324
48	30	20	646000	3690	DFT-s-OFDM 64 QAM	25@12	19.89	13.89	0.0245
48	30	20	646000	3690	DFT-s-OFDM 64 QAM	1@1	19.94	13.94	0.0248
48	30	20	646000	3690	DFT-s-OFDM 64 QAM	1@49	19.59	13.59	0.0229
48	30	20	646000	3690	DFT-s-OFDM 256 QAM	25@12	17.79	11.79	0.0151
48	30	20	646000	3690	DFT-s-OFDM 256 QAM	1@1	17.93	11.93	0.0156
48	30	20	646000	3690	DFT-s-OFDM 256 QAM	1@49	17.53	11.53	0.0142
48	30	20	646000	3690	CP-OFDM QPSK	25@12	20.88	14.88	0.0308
48	30	20	646000	3690	CP-OFDM QPSK	1@1	20.99	14.99	0.0316
48	30	20	646000	3690	CP-OFDM QPSK	1@49	20.69	14.69	0.0294
48	30	30	637668	3565.02	DFT-s-OFDM PI/2 BPSK	36@18	22.39	16.39	0.0436

48	30	30	637668	3565.02	DFT-s-OFDM PI/2 BPSK	1@1	22.37	16.37	0.0434
48	30	30	637668	3565.02	DFT-s-OFDM PI/2 BPSK	1@76	22.4	16.4	0.0437
48	30	30	637668	3565.02	DFT-s-OFDM QPSK	36@18	22.36	16.36	0.0433
48	30	30	637668	3565.02	DFT-s-OFDM QPSK	1@1	22.32	16.32	0.0429
48	30	30	637668	3565.02	DFT-s-OFDM QPSK	1@76	22.43	16.43	0.0440
48	30	30	637668	3565.02	DFT-s-OFDM 16 QAM	36@18	21.31	15.31	0.0340
48	30	30	637668	3565.02	DFT-s-OFDM 16 QAM	1@1	21.28	15.28	0.0337
48	30	30	637668	3565.02	DFT-s-OFDM 16 QAM	1@76	21.3	15.3	0.0339
48	30	30	637668	3565.02	DFT-s-OFDM 64 QAM	36@18	19.89	13.89	0.0245
48	30	30	637668	3565.02	DFT-s-OFDM 64 QAM	1@1	19.81	13.81	0.0240
48	30	30	637668	3565.02	DFT-s-OFDM 64 QAM	1@76	19.83	13.83	0.0242
48	30	30	637668	3565.02	DFT-s-OFDM 256 QAM	36@18	17.75	11.75	0.0150
48	30	30	637668	3565.02	DFT-s-OFDM 256 QAM	1@1	17.75	11.75	0.0150
48	30	30	637668	3565.02	DFT-s-OFDM 256 QAM	1@76	17.68	11.68	0.0147
48	30	30	637668	3565.02	CP-OFDM QPSK	39@19	20.87	14.87	0.0307
48	30	30	637668	3565.02	CP-OFDM QPSK	1@1	20.81	14.81	0.0303
48	30	30	637668	3565.02	CP-OFDM QPSK	1@76	20.83	14.83	0.0304
48	30	30	641666	3624.99	DFT-s-OFDM PI/2 BPSK	36@18	22.56	16.56	0.0453
48	30	30	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@1	22.36	16.36	0.0433
48	30	30	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@76	22.42	16.42	0.0439
48	30	30	641666	3624.99	DFT-s-OFDM QPSK	36@18	22.36	16.36	0.0433
48	30	30	641666	3624.99	DFT-s-OFDM QPSK	1@1	22.45	16.45	0.0442
48	30	30	641666	3624.99	DFT-s-OFDM QPSK	1@76	22.45	16.45	0.0442
48	30	30	641666	3624.99	DFT-s-OFDM 16 QAM	36@18	22.2	16.2	0.0417
48	30	30	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	22.07	16.07	0.0405
48	30	30	641666	3624.99	DFT-s-OFDM 16 QAM	1@76	22.1	16.1	0.0407
48	30	30	641666	3624.99	DFT-s-OFDM 64 QAM	36@18	20.69	14.69	0.0294
48	30	30	641666	3624.99	DFT-s-OFDM 64 QAM	1@1	20.51	14.51	0.0282
48	30	30	641666	3624.99	DFT-s-OFDM 64 QAM	1@76	20.59	14.59	0.0288
48	30	30	641666	3624.99	DFT-s-OFDM 256 QAM	36@18	18.65	12.65	0.0184
48	30	30	641666	3624.99	DFT-s-OFDM 256 QAM	1@1	18.51	12.51	0.0178
48	30	30	641666	3624.99	DFT-s-OFDM 256 QAM	1@76	18.47	12.47	0.0177
48	30	30	641666	3624.99	CP-OFDM QPSK	39@19	21.69	15.69	0.0371
48	30	30	641666	3624.99	CP-OFDM QPSK	1@1	21.62	15.62	0.0365

48	30	30	641666	3624.99	CP-OFDM QPSK	1@76	21.52	15.52	0.0356
48	30	30	645666	3684.99	DFT-s-OFDM PI/2 BPSK	36@18	22.54	16.54	0.0451
48	30	30	645666	3684.99	DFT-s-OFDM PI/2 BPSK	1@1	22.76	16.76	0.0474
48	30	30	645666	3684.99	DFT-s-OFDM PI/2 BPSK	1@76	22.09	16.09	0.0406
48	30	30	645666	3684.99	DFT-s-OFDM QPSK	36@18	22.49	16.49	0.0446
48	30	30	645666	3684.99	DFT-s-OFDM QPSK	1@1	22.72	16.72	0.0470
48	30	30	645666	3684.99	DFT-s-OFDM QPSK	1@76	22.09	16.09	0.0406
48	30	30	645666	3684.99	DFT-s-OFDM 16 QAM	36@18	21.46	15.46	0.0352
48	30	30	645666	3684.99	DFT-s-OFDM 16 QAM	1@1	21.68	15.68	0.0370
48	30	30	645666	3684.99	DFT-s-OFDM 16 QAM	1@76	21.01	15.01	0.0317
48	30	30	645666	3684.99	DFT-s-OFDM 64 QAM	36@18	19.98	13.98	0.0250
48	30	30	645666	3684.99	DFT-s-OFDM 64 QAM	1@1	20.2	14.2	0.0263
48	30	30	645666	3684.99	DFT-s-OFDM 64 QAM	1@76	19.58	13.58	0.0228
48	30	30	645666	3684.99	DFT-s-OFDM 256 QAM	36@18	17.95	11.95	0.0157
48	30	30	645666	3684.99	DFT-s-OFDM 256 QAM	1@1	18.1	12.1	0.0162
48	30	30	645666	3684.99	DFT-s-OFDM 256 QAM	1@76	17.49	11.49	0.0141
48	30	30	645666	3684.99	CP-OFDM QPSK	39@19	20.95	14.95	0.0313
48	30	30	645666	3684.99	CP-OFDM QPSK	1@1	21.22	15.22	0.0333
48	30	30	645666	3684.99	CP-OFDM QPSK	1@76	20.62	14.62	0.0290
48	30	40	638000	3570	DFT-s-OFDM PI/2 BPSK	50@25	22.42	16.42	0.0439
48	30	40	638000	3570	DFT-s-OFDM PI/2 BPSK	1@1	22.37	16.37	0.0434
48	30	40	638000	3570	DFT-s-OFDM PI/2 BPSK	1@104	22.72	16.72	0.0470
48	30	40	638000	3570	DFT-s-OFDM QPSK	50@25	22.37	16.37	0.0434
48	30	40	638000	3570	DFT-s-OFDM QPSK	1@1	22.51	16.51	0.0448
48	30	40	638000	3570	DFT-s-OFDM QPSK	1@104	22.76	16.76	0.0474
48	30	40	638000	3570	DFT-s-OFDM 16 QAM	50@25	21.4	15.4	0.0347
48	30	40	638000	3570	DFT-s-OFDM 16 QAM	1@1	21.54	15.54	0.0358
48	30	40	638000	3570	DFT-s-OFDM 16 QAM	1@104	21.81	15.81	0.0381
48	30	40	638000	3570	DFT-s-OFDM 64 QAM	50@25	19.87	13.87	0.0244
48	30	40	638000	3570	DFT-s-OFDM 64 QAM	1@1	19.85	13.85	0.0243
48	30	40	638000	3570	DFT-s-OFDM 64 QAM	1@104	20.1	14.1	0.0257
48	30	40	638000	3570	DFT-s-OFDM 256 QAM	50@25	17.89	11.89	0.0155
48	30	40	638000	3570	DFT-s-OFDM 256 QAM	1@1	17.86	11.86	0.0153
48	30	40	638000	3570	DFT-s-OFDM 256 QAM	1@104	18.11	12.11	0.0163

48	30	40	638000	3570	CP-OFDM QPSK	53@26	20.91	14.91	0.0310
48	30	40	638000	3570	CP-OFDM QPSK	1@1	20.93	14.93	0.0311
48	30	40	638000	3570	CP-OFDM QPSK	1@104	21.24	15.24	0.0334
48	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	50@25	22.41	16.41	0.0438
48	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@1	22.26	16.26	0.0423
48	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@104	22.35	16.35	0.0432
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	50@25	22.45	16.45	0.0442
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@1	22.47	16.47	0.0444
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@104	22.36	16.36	0.0433
48	30	40	641666	3624.99	DFT-s-OFDM 16 QAM	50@25	22.2	16.2	0.0417
48	30	40	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	22.09	16.09	0.0406
48	30	40	641666	3624.99	DFT-s-OFDM 16 QAM	1@104	22.1	16.1	0.0407
48	30	40	641666	3624.99	DFT-s-OFDM 64 QAM	50@25	20.66	14.66	0.0292
48	30	40	641666	3624.99	DFT-s-OFDM 64 QAM	1@1	20.62	14.62	0.0290
48	30	40	641666	3624.99	DFT-s-OFDM 64 QAM	1@104	20.68	14.68	0.0294
48	30	40	641666	3624.99	DFT-s-OFDM 256 QAM	50@25	18.67	12.67	0.0185
48	30	40	641666	3624.99	DFT-s-OFDM 256 QAM	1@1	18.53	12.53	0.0179
48	30	40	641666	3624.99	DFT-s-OFDM 256 QAM	1@104	18.57	12.57	0.0181
48	30	40	641666	3624.99	CP-OFDM QPSK	53@26	21.67	15.67	0.0369
48	30	40	641666	3624.99	CP-OFDM QPSK	1@1	21.58	15.58	0.0361
48	30	40	641666	3624.99	CP-OFDM QPSK	1@104	21.74	15.74	0.0375
48	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	50@25	22.66	16.66	0.0463
48	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	1@1	22.35	16.35	0.0432
48	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	1@104	22.19	16.19	0.0416
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	50@25	22.65	16.65	0.0462
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@1	22.34	16.34	0.0431
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@104	22.18	16.18	0.0415
48	30	40	645332	3679.98	DFT-s-OFDM 16 QAM	50@25	21.65	15.65	0.0367
48	30	40	645332	3679.98	DFT-s-OFDM 16 QAM	1@1	22.03	16.03	0.0401
48	30	40	645332	3679.98	DFT-s-OFDM 16 QAM	1@104	21.18	15.18	0.0330
48	30	40	645332	3679.98	DFT-s-OFDM 64 QAM	50@25	20.12	14.12	0.0258
48	30	40	645332	3679.98	DFT-s-OFDM 64 QAM	1@1	20.5	14.5	0.0282
48	30	40	645332	3679.98	DFT-s-OFDM 64 QAM	1@104	19.74	13.74	0.0237
48	30	40	645332	3679.98	DFT-s-OFDM 256 QAM	50@25	18.15	12.15	0.0164

48	30	40	645332	3679.98	DFT-s-OFDM 256 QAM	1@1	18.45	12.45	0.0176
48	30	40	645332	3679.98	DFT-s-OFDM 256 QAM	1@104	17.6	11.6	0.0145
48	30	40	645332	3679.98	CP-OFDM QPSK	53@26	21.09	15.09	0.0323
48	30	40	645332	3679.98	CP-OFDM QPSK	1@1	21.49	15.49	0.0354
48	30	40	645332	3679.98	CP-OFDM QPSK	1@104	20.75	14.75	0.0299

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Shiwei Wen	Temperature :	22~25℃
		Relative Humidity :	48~52%

Note: Pre-scanned harmonic for the different antenna and EN-DC mode, we choose the worst mode to perform final test.

n48 SA / NR 40MHz / QPSK(ANT8)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	7140.00	-59.71	-40	-19.71	-85.99	-63.04	8.25	11.58	H
	10710.00	-55.25	-40	-15.25	-87.10	-56.80	10.45	12.00	H
	14280.00	-53.29	-40	-13.29	-86.32	-55.00	11.74	13.45	H
	7140.00	-58.27	-40	-18.27	-86.03	-61.60	8.25	11.58	V
	10710.00	-52.60	-40	-12.60	-86.95	-54.15	10.45	12.00	V
	14280.00	-53.76	-40	-13.76	-86.23	-55.47	11.74	13.45	V
Middle	7249.98	-58.57	-40	-18.57	-85.17	-61.87	8.30	11.60	H
	10874.97	-53.45	-40	-13.45	-86.08	-54.97	10.48	12.00	H
	14499.96	-52.94	-40	-12.94	-86.31	-54.64	11.80	13.50	H
	7249.98	-56.62	-40	-16.62	-84.76	-59.92	8.30	11.60	V
	10874.97	-52.51	-40	-12.51	-86.79	-54.03	10.48	12.00	V
	14499.96	-53.88	-40	-13.88	-86.86	-55.58	11.80	13.50	V
Highest	7359.96	-58.97	-40	-18.97	-85.73	-62.27	8.32	11.62	H
	11039.94	-53.87	-40	-13.87	-87.03	-55.55	10.52	12.20	H
	14719.92	-52.32	-40	-12.32	-86.22	-54.02	11.85	13.55	H
	7359.96	-58.48	-40	-18.48	-85.6	-61.78	8.32	11.62	V
	11039.94	-52.66	-40	-12.66	-87.17	-54.34	10.52	12.20	V
	14719.92	-52.92	-40	-12.92	-86.91	-54.62	11.85	13.55	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_48A_n48A / LTE 10MHz + NR 40MHz / QPSK(4+8)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n48 Lowest	7140.00	-58.64	-40	-18.64	-66.14	-61.97	8.25	11.58	H
	10710.00	-55.12	-40	-15.12	-67.81	-56.67	10.45	12.00	H
	14280.00	-55.45	-40	-15.45	-69.58	-57.16	11.74	13.45	H
	7140.00	-57.16	-40	-17.16	-66.14	-60.49	8.25	11.58	V
	10710.00	-52.74	-40	-12.74	-67.93	-54.29	10.45	12.00	V
	14280.00	-55.81	-40	-15.81	-69.38	-57.52	11.74	13.45	V
LTE Band48 Lowest	7250.00	-58.05	-40	-18.05	-66.07	-61.35	8.30	11.60	H
	10875.00	-54.80	-40	-14.80	-68.13	-56.32	10.48	12.00	H
	14500.00	-54.91	-40	-14.91	-69.38	-56.61	11.80	13.50	H
	7250.00	-56.90	-40	-16.90	-66.46	-60.20	8.30	11.60	V
	10875.00	-53.15	-40	-13.15	-68.13	-54.67	10.48	12.00	V
	14500.00	-55.18	-40	-15.18	-69.26	-56.88	11.80	13.50	V
NR n48 Middle	7249.00	-57.74	-40	-17.74	-65.76	-61.04	8.30	11.60	H
	10874.00	-54.61	-40	-14.61	-67.94	-56.13	10.48	12.00	H
	14499.00	-54.65	-40	-14.65	-69.12	-56.35	11.80	13.50	H
	7249.00	-57.05	-40	-17.05	-66.61	-60.35	8.30	11.60	V
	10874.00	-52.35	-40	-12.35	-67.33	-53.87	10.48	12.00	V
	14499.00	-55.23	-40	-15.23	-69.31	-56.93	11.80	13.50	V
LTE Band48 Middle	7250.00	-58.19	-40	-18.19	-66.21	-61.49	8.30	11.60	H
	10875.00	-54.65	-40	-14.65	-67.98	-56.17	10.48	12.00	H
	14500.00	-54.65	-40	-14.65	-69.12	-56.35	11.80	13.50	H
	7250.00	-56.50	-40	-16.50	-66.06	-59.80	8.30	11.60	V
	10875.00	-52.86	-40	-12.86	-67.84	-54.38	10.48	12.00	V
	14500.00	-55.23	-40	-15.23	-69.31	-56.93	11.80	13.50	V
NR n48 Highest	7359.00	-57.59	-40	-17.59	-65.93	-60.89	8.32	11.62	H
	11039.00	-54.76	-40	-14.76	-68.57	-56.44	10.52	12.20	H
	14719.00	-54.11	-40	-14.11	-69.41	-55.81	11.85	13.55	H
	7359.00	-57.57	-40	-17.57	-66.27	-60.87	8.32	11.62	V
	11039.00	-53.43	-40	-13.43	-68.59	-55.11	10.52	12.20	V
	14719.00	-54.06	-40	-14.06	-69.45	-55.76	11.85	13.55	V
LTE Band48 Highest	7250.00	-58.56	-40	-18.56	-66.58	-61.86	8.30	11.60	H
	10875.00	-55.08	-40	-15.08	-68.41	-56.60	10.48	12.00	H
	14500.00	-55.31	-40	-15.31	-69.78	-57.01	11.80	13.50	H
	7250.00	-56.85	-40	-16.85	-66.41	-60.15	8.30	11.60	V
	10875.00	-53.02	-40	-13.02	-68	-54.54	10.48	12.00	V
	14500.00	-55.46	-40	-15.46	-69.54	-57.16	11.80	13.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.