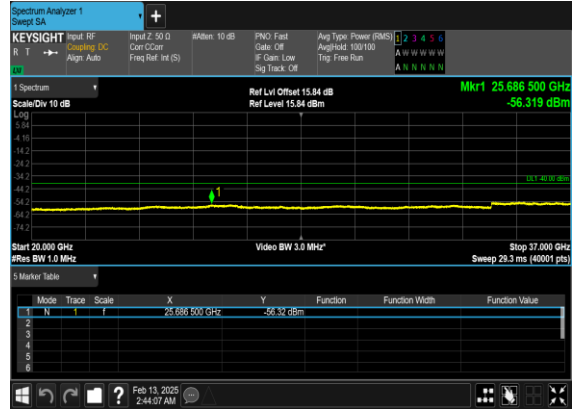


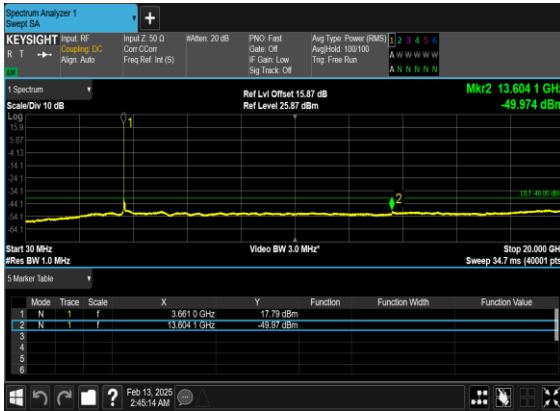
N48(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



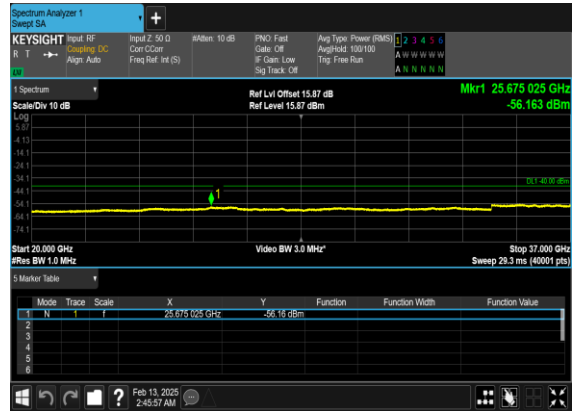
N48(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



N48(40M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



N48(40M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



N48(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



N48(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH





### Conducted Band Edge

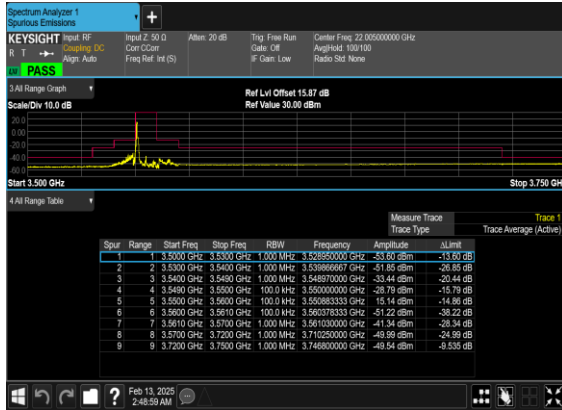
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
48	30	10	637000	3555.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	30	10	637000	3555.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	30	10	637000	3555.0	DFT-s-OFDM BPSK	1@23	see graph	PASS
48	30	10	637000	3555.0	DFT-s-OFDM QPSK	1@23	see graph	PASS
48	30	10	637000	3555.0	DFT-s-OFDM BPSK	24@0	see graph	PASS
48	30	10	637000	3555.0	DFT-s-OFDM QPSK	24@0	see graph	PASS
48	30	10	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	30	10	641666	3624.99	DFT-s-OFDM BPSK	1@23	see graph	PASS
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	1@23	see graph	PASS
48	30	10	641666	3624.99	DFT-s-OFDM BPSK	24@0	see graph	PASS
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	24@0	see graph	PASS
48	30	10	646332	3694.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	30	10	646332	3694.98	DFT-s-OFDM BPSK	1@23	see graph	PASS
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	1@23	see graph	PASS
48	30	10	646332	3694.98	DFT-s-OFDM BPSK	24@0	see graph	PASS
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	24@0	see graph	PASS
48	30	20	637334	3560.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	30	20	637334	3560.01	DFT-s-OFDM BPSK	1@50	see graph	PASS
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@50	see graph	PASS
48	30	20	637334	3560.01	DFT-s-OFDM BPSK	50@0	see graph	PASS
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	50@0	see graph	PASS
48	30	20	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	30	20	641666	3624.99	DFT-s-OFDM BPSK	1@50	see graph	PASS
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@50	see graph	PASS
48	30	20	641666	3624.99	DFT-s-OFDM BPSK	50@0	see graph	PASS
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	see graph	PASS
48	30	20	646000	3690.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	30	20	646000	3690.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	30	20	646000	3690.0	DFT-s-OFDM BPSK	1@50	see graph	PASS
48	30	20	646000	3690.0	DFT-s-OFDM QPSK	1@50	see graph	PASS
48	30	20	646000	3690.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
48	30	20	646000	3690.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
48	30	40	638000	3570.0	DFT-s-OFDM BPSK	1@0	see graph	PASS



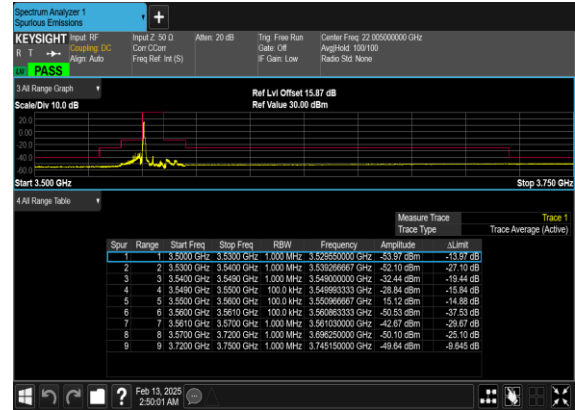
48	30	40	638000	3570.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	30	40	638000	3570.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
48	30	40	638000	3570.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
48	30	40	638000	3570.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
48	30	40	638000	3570.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
48	30	40	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	30	40	641666	3624.99	DFT-s-OFDM BPSK	1@105	see graph	PASS
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@105	see graph	PASS
48	30	40	641666	3624.99	DFT-s-OFDM BPSK	100@0	see graph	PASS
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	100@0	see graph	PASS
48	30	40	645332	3679.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	30	40	645332	3679.98	DFT-s-OFDM BPSK	1@105	see graph	PASS
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@105	see graph	PASS
48	30	40	645332	3679.98	DFT-s-OFDM BPSK	100@0	see graph	PASS
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	100@0	see graph	PASS



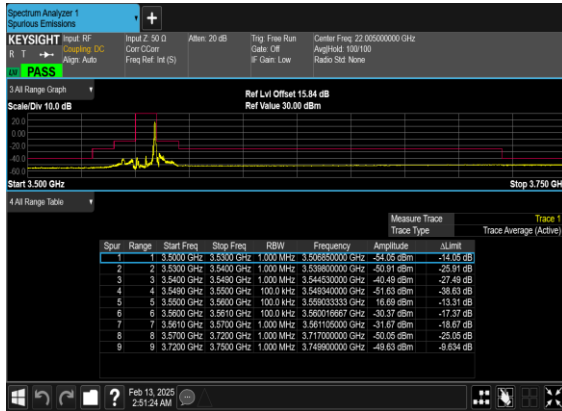
N48(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



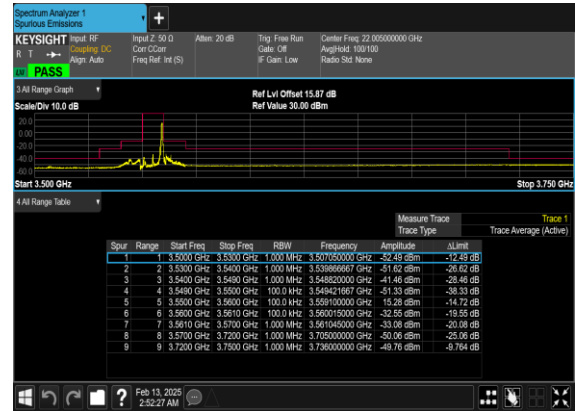
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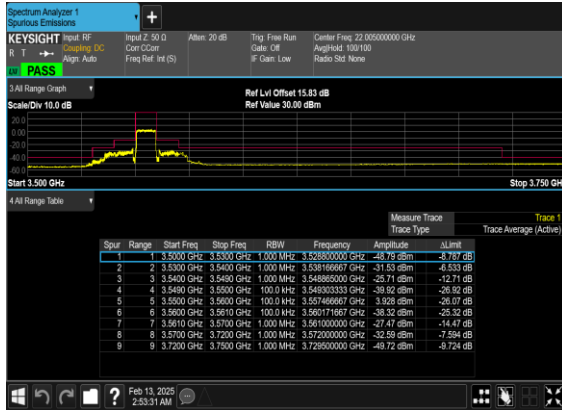
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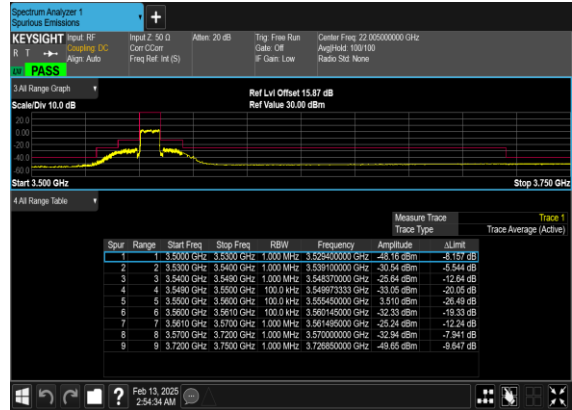
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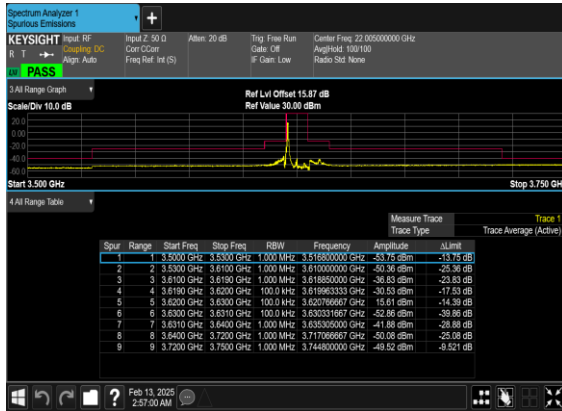
N48(10M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Low\_CH



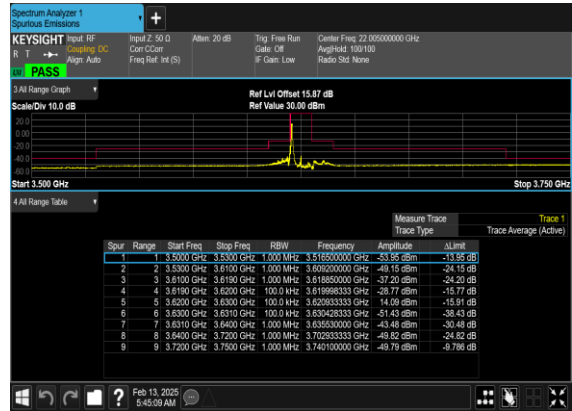
N48(10M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH



N48(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH

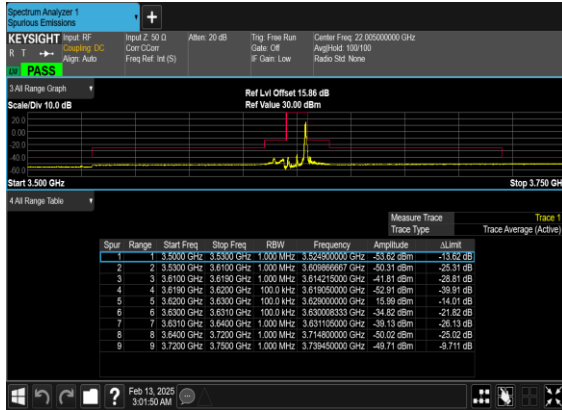


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OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH

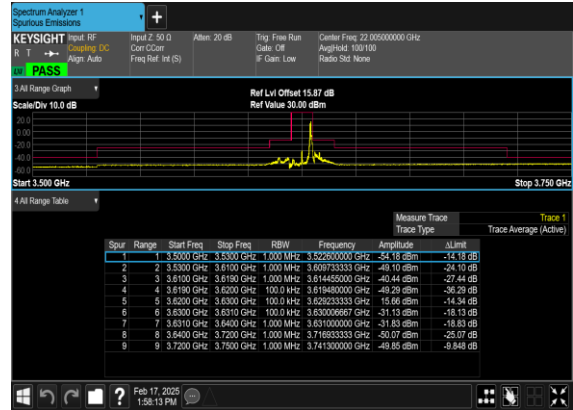




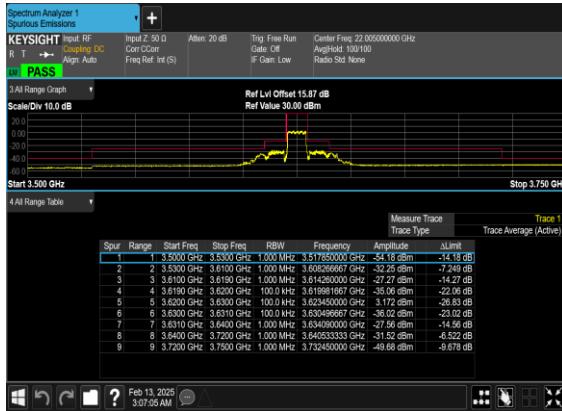
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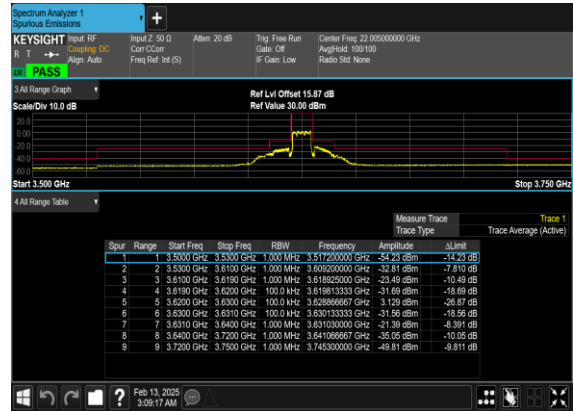
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N48(10M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Mid\_CH

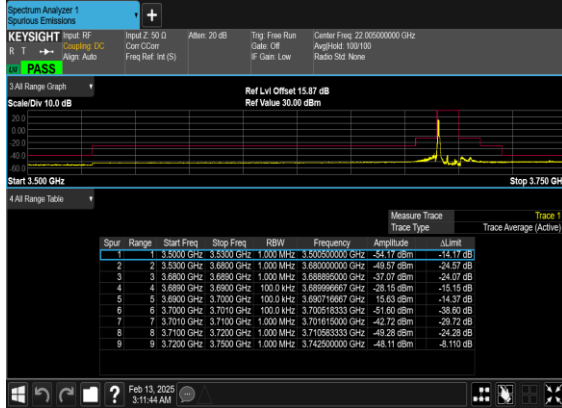


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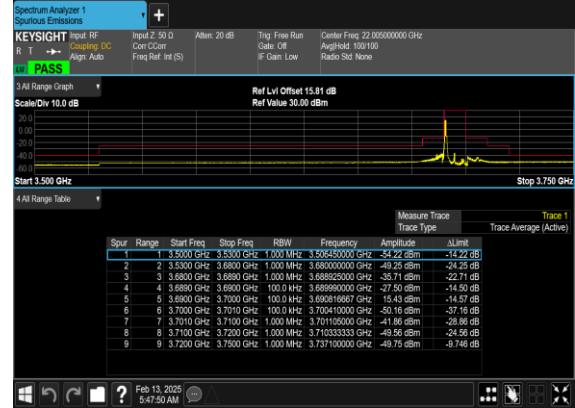




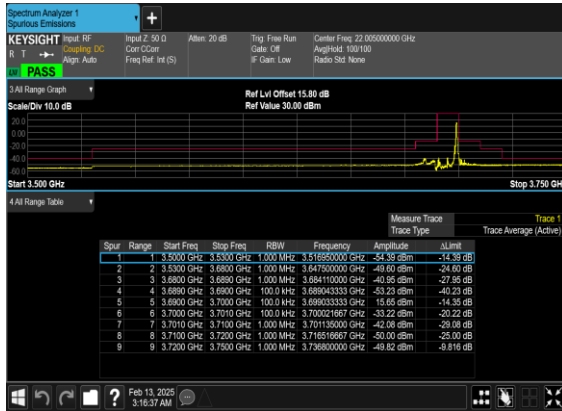
N48(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



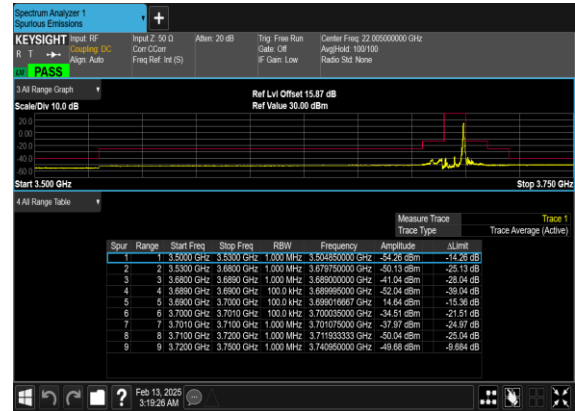
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N48(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH

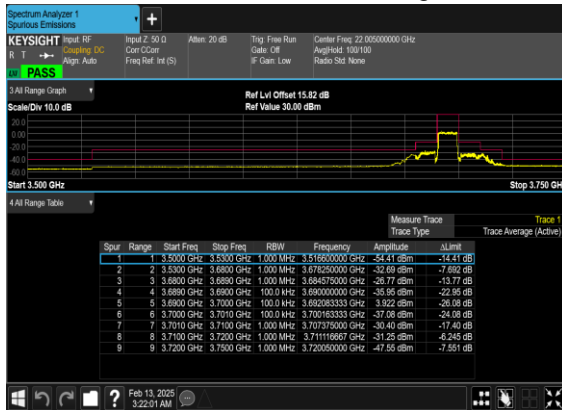


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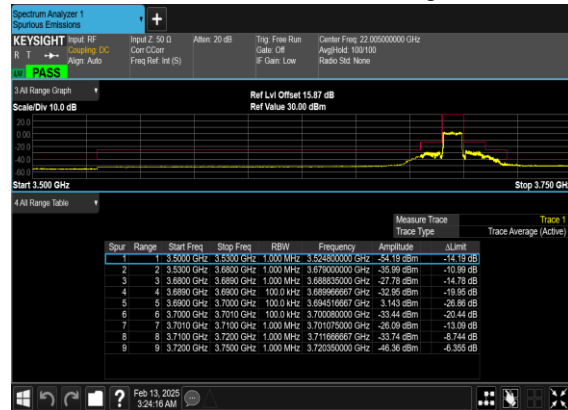




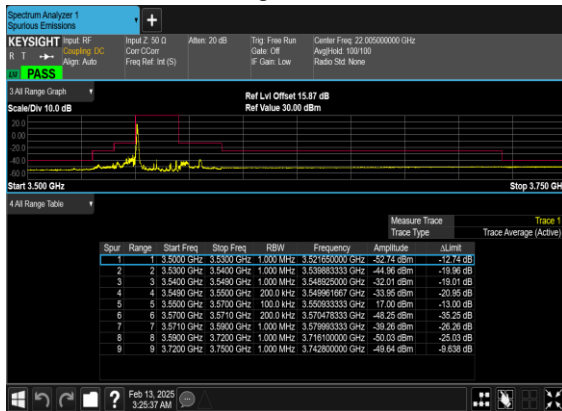
N48(10M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



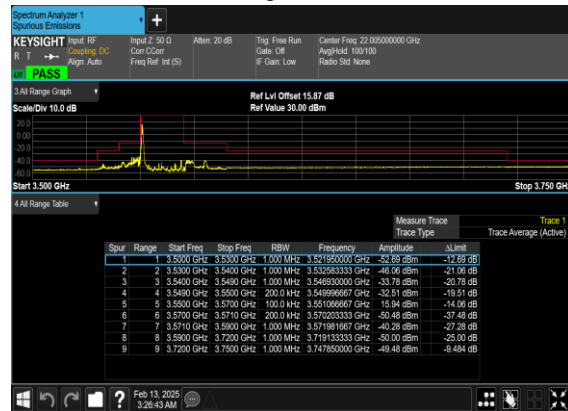
N48(10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



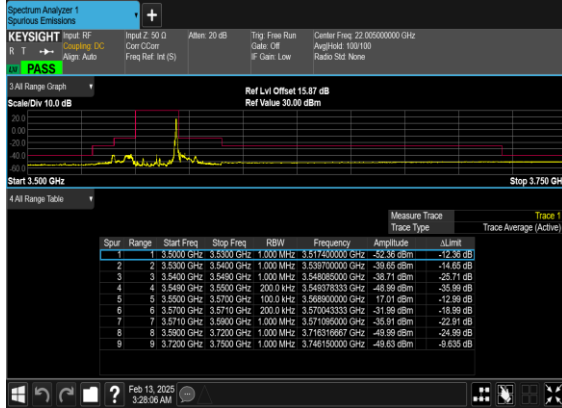
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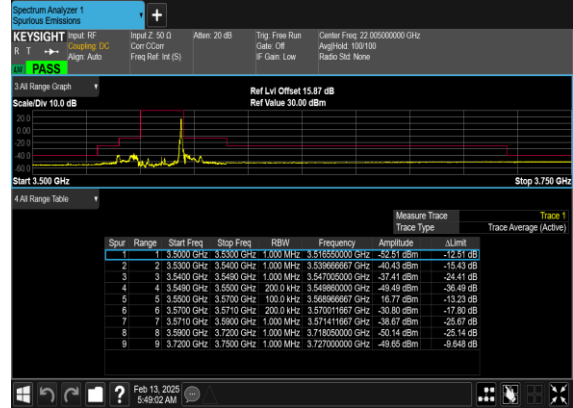
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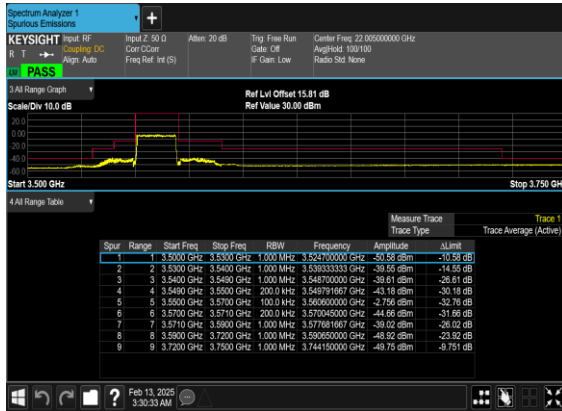
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OFDM\_BPSK\_Edge\_1RB\_Right\_Low\_CH



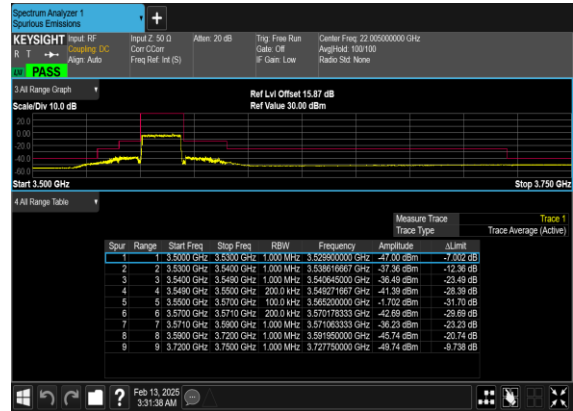
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OFDM\_QPSK\_Edge\_1RB\_Right\_Low\_CH



N48(20M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Low\_CH

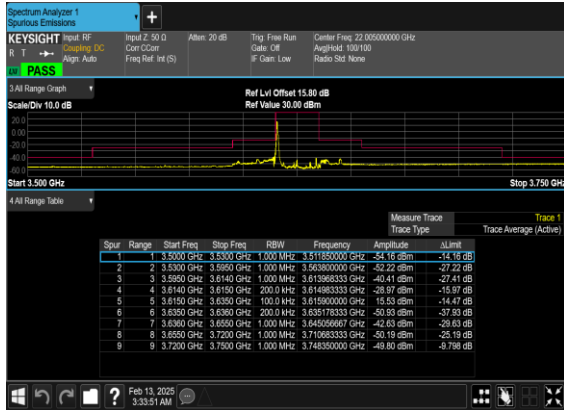


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OFDM\_QPSK\_Outer\_Full\_Low\_CH

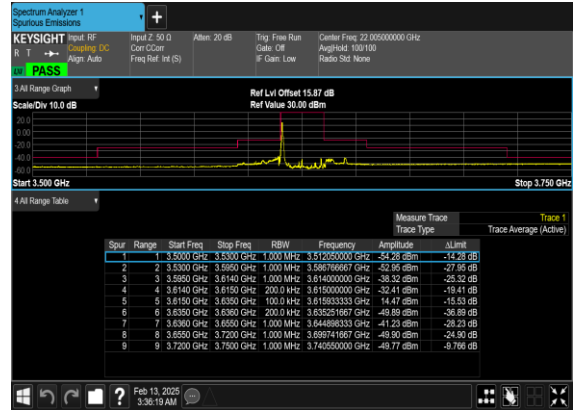




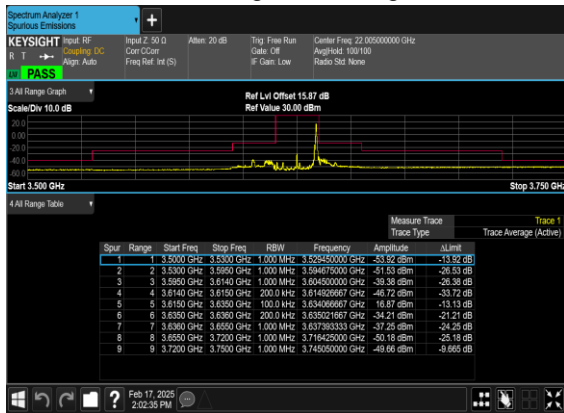
N48(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



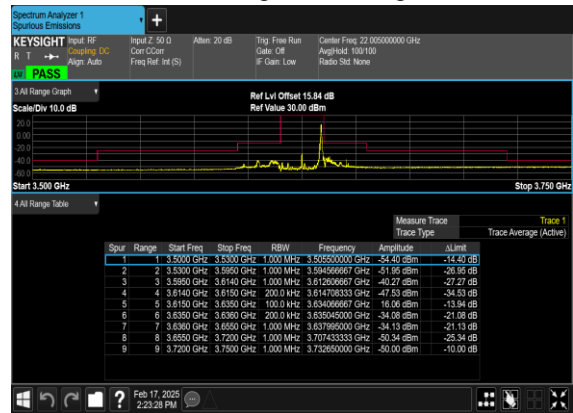
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N48(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_Mid\_CH

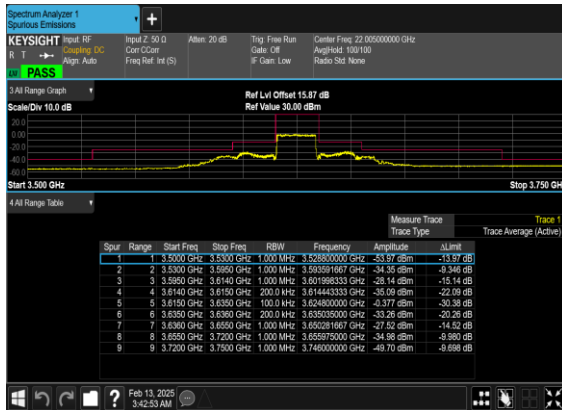


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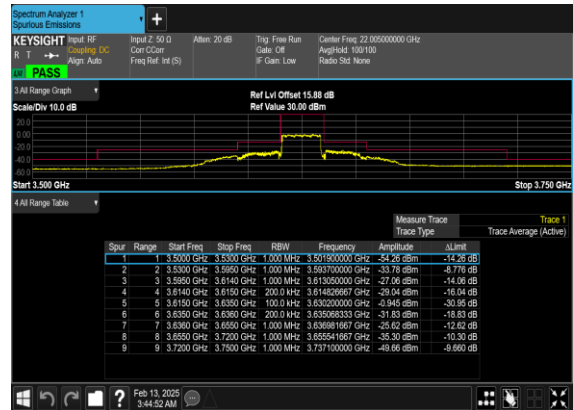




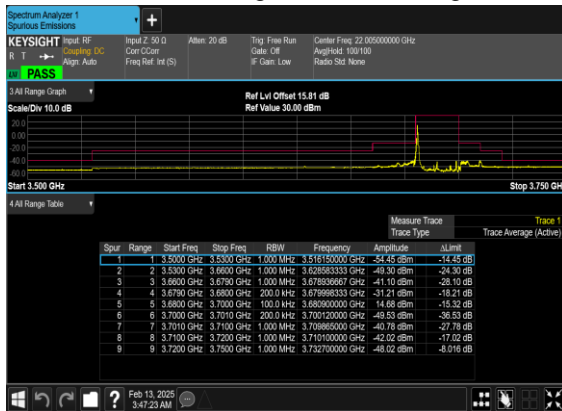
N48(20M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Mid\_CH



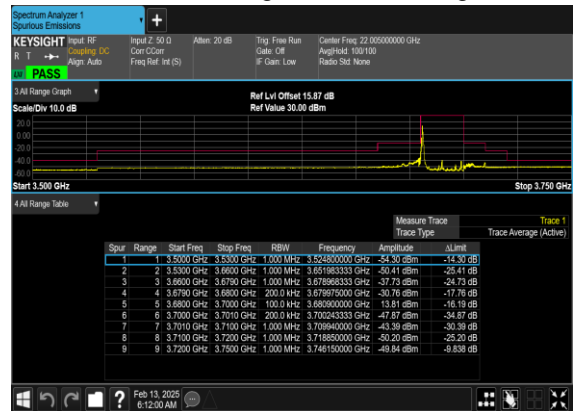
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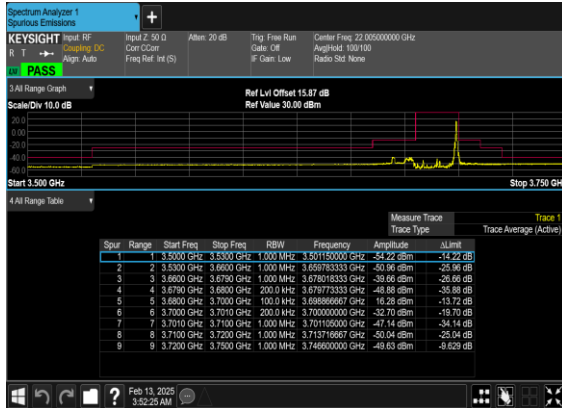
N48(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



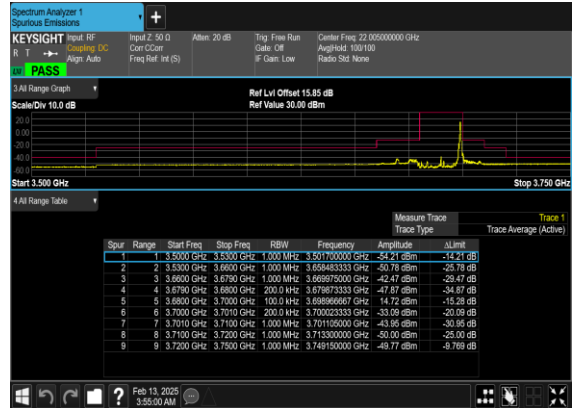
N48(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



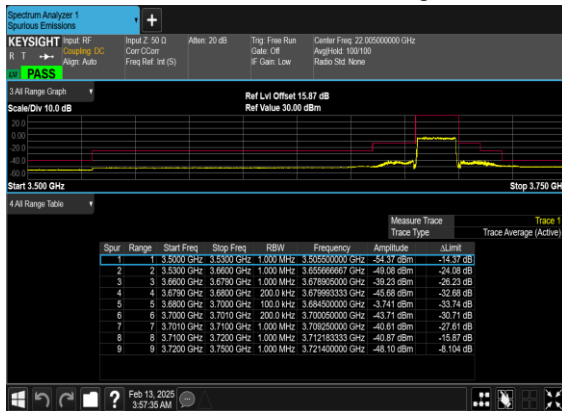
N48(20M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



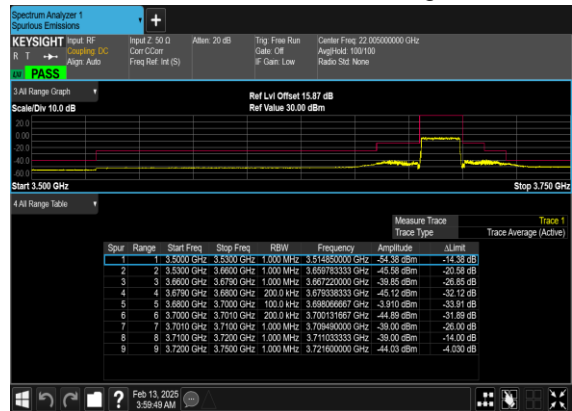
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OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



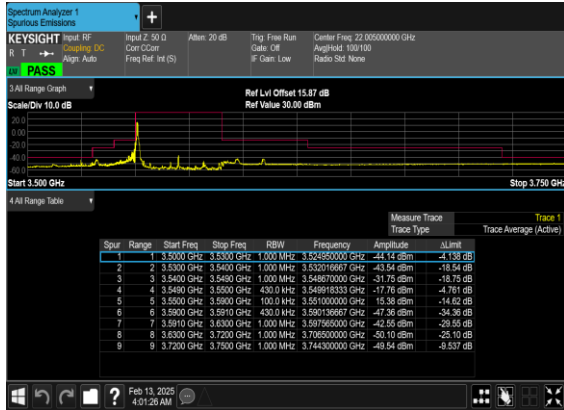
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OFDM\_BPSK\_Outer\_Full\_High\_CH



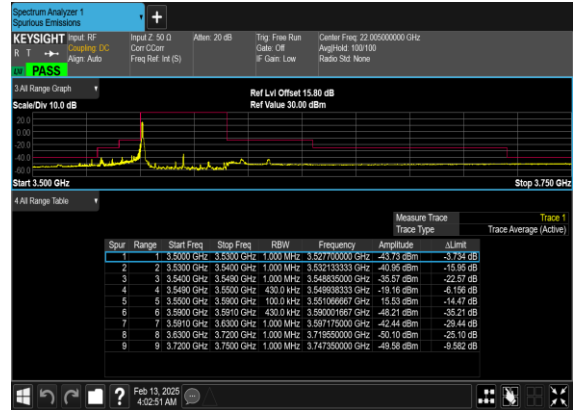
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OFDM\_QPSK\_Outer\_Full\_High\_CH



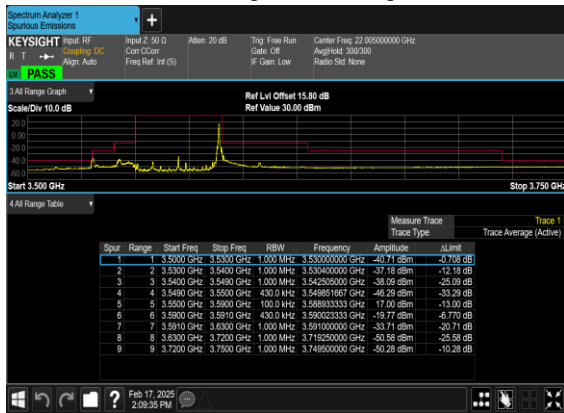
N48(40M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



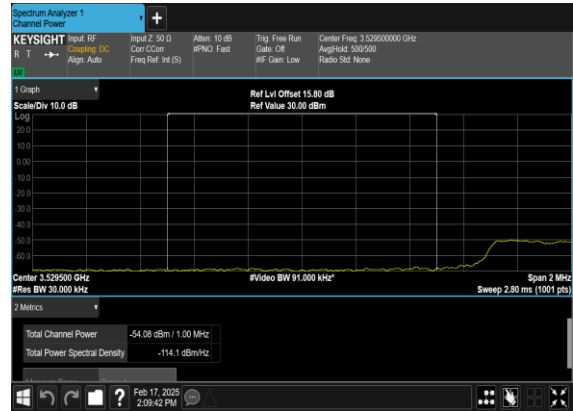
N48(40M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N48(40M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_Low\_CH

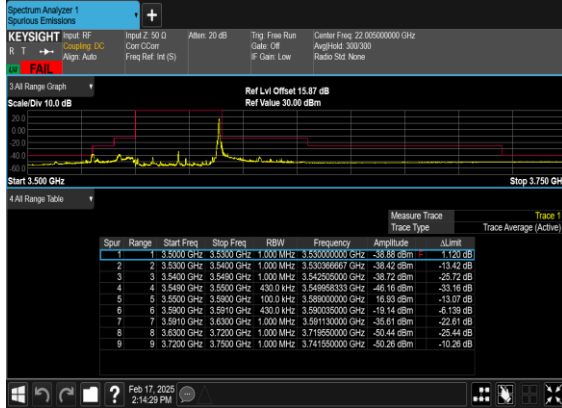


N48(40M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_Low\_CH\_CHP  
\_PASS

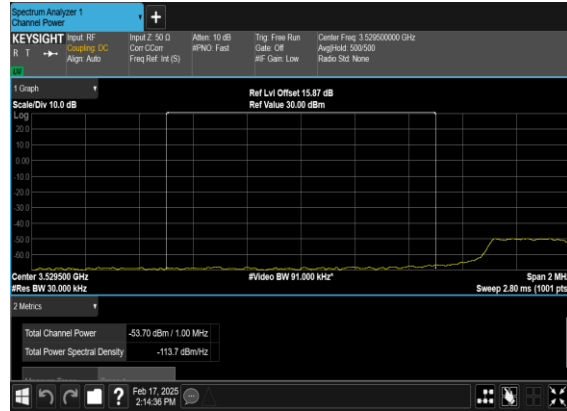




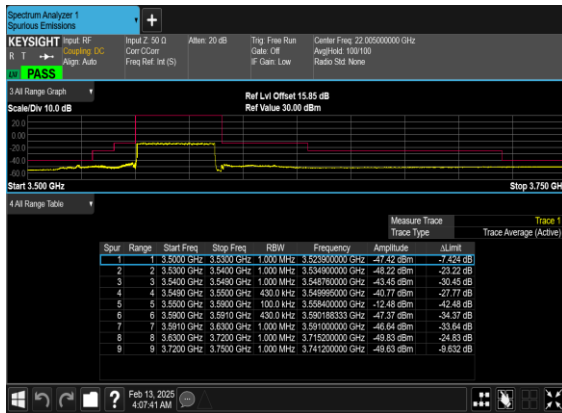
N48(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_Low\_CH



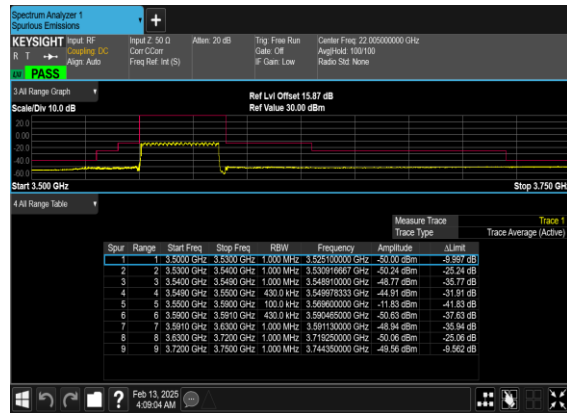
N48(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_Low\_CH\_CHP\_PASS



N48(40M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH

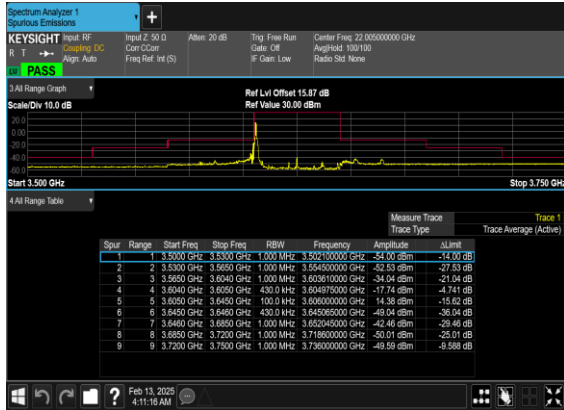


N48(40M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH

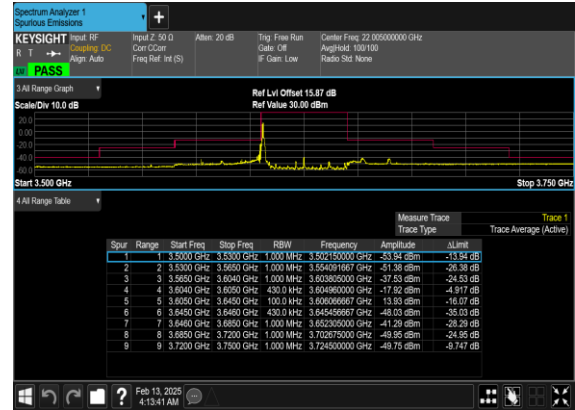




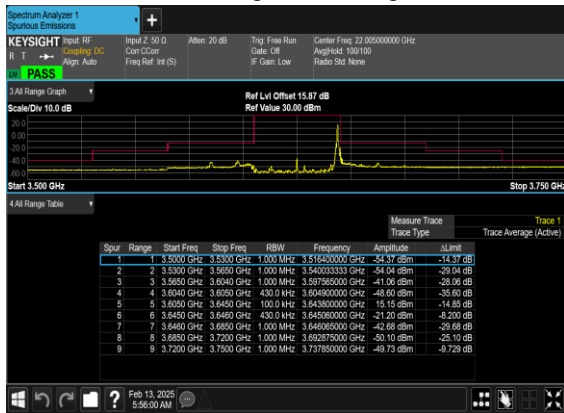
N48(40M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



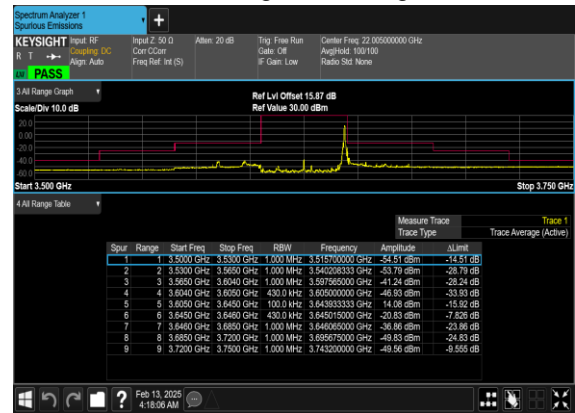
N48(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



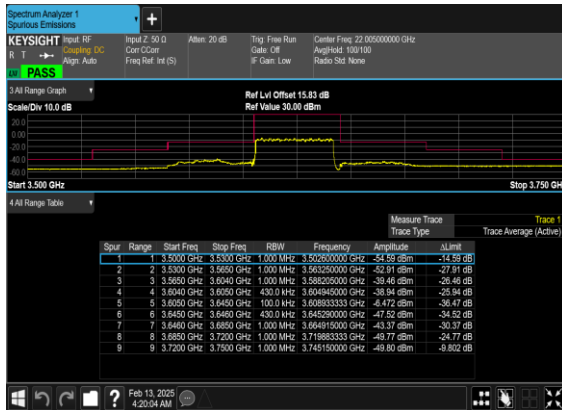
N48(40M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_Mid\_CH



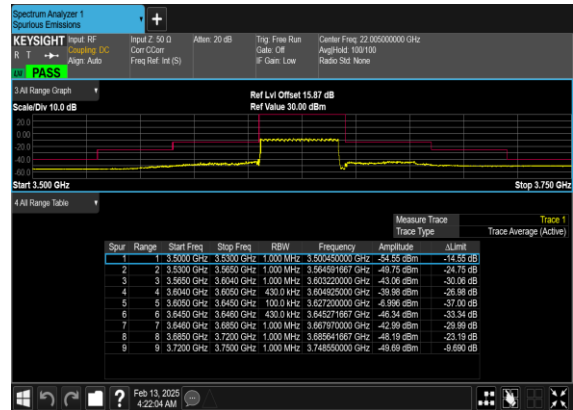
N48(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_Mid\_CH



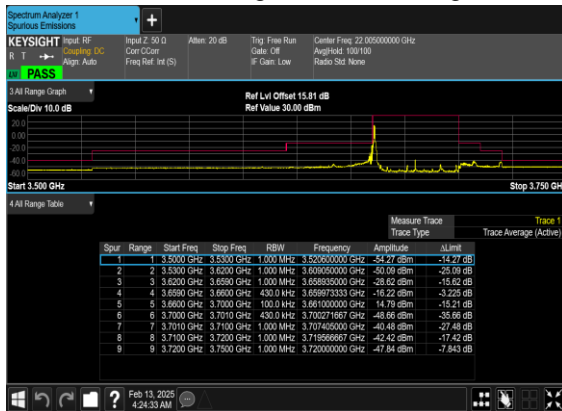
N48(40M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Mid\_CH



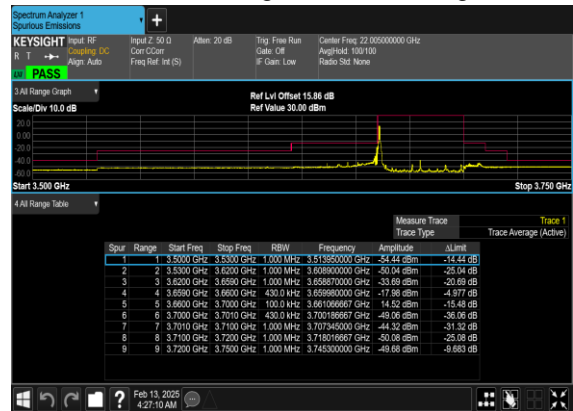
N48(40M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



N48(40M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH

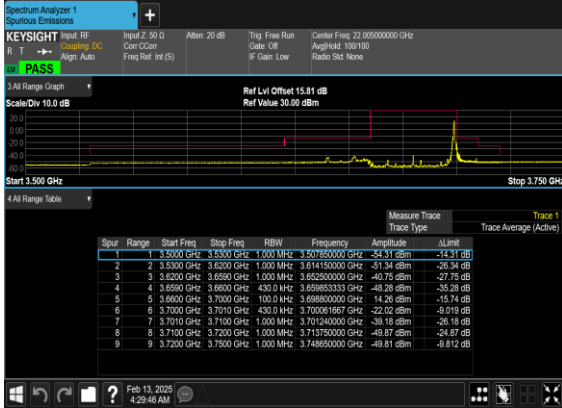


N48(40M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH

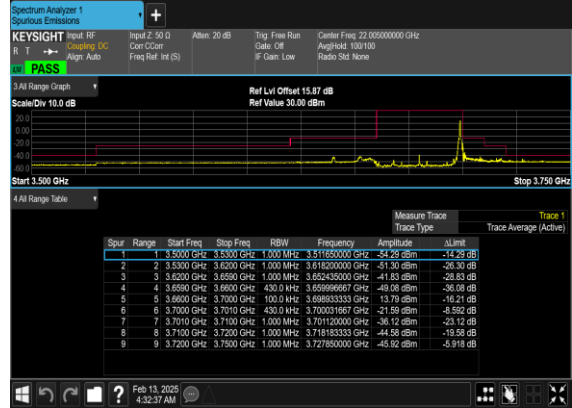




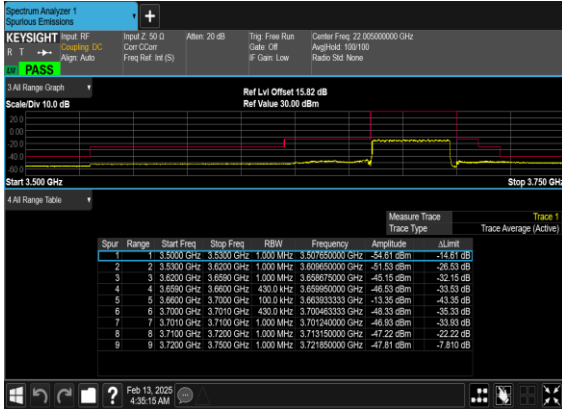
N48(40M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



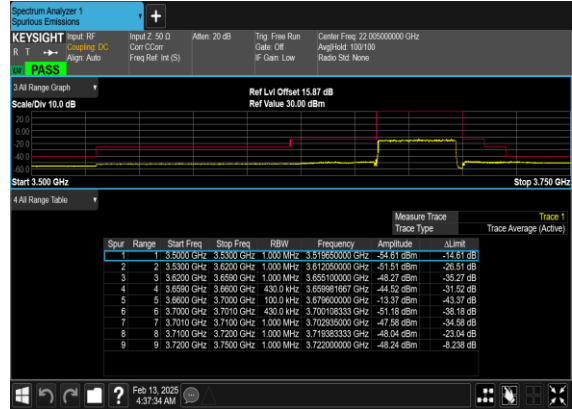
N48(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



N48(40M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



N48(40M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH





Software Version: 23.06.1602

# FR1 N48 MIMO-ANT2 + ANT6

Transmitter Conducted Output Power And EIRP, (G<sub>T</sub> - L<sub>c</sub>) = -1.69dB

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	ANT2 Power (dBm)	ANT6 Power (dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
48	30	10	637000	3555	DFT-s-OFDM PI/2 BPSK	12@6	20.11	19.52	22.84	21.15	0.1303
48	30	10	637000	3555	DFT-s-OFDM PI/2 BPSK	1@1	20.06	19.59	22.84	21.15	0.1303
48	30	10	637000	3555	DFT-s-OFDM PI/2 BPSK	1@22	20.09	19.46	22.80	21.11	0.1291
48	30	10	637000	3555	DFT-s-OFDM QPSK	12@6	20.08	19.59	22.85	21.16	0.1306
48	30	10	637000	3555	DFT-s-OFDM QPSK	1@1	20.02	19.58	22.82	21.13	0.1297
48	30	10	637000	3555	DFT-s-OFDM QPSK	1@22	20.07	19.47	22.79	21.1	0.1288
48	30	10	637000	3555	DFT-s-OFDM 16 QAM	12@6	18.99	18.59	21.80	20.11	0.1026
48	30	10	637000	3555	DFT-s-OFDM 16 QAM	1@1	19.2	18.63	21.93	20.24	0.1057
48	30	10	637000	3555	DFT-s-OFDM 16 QAM	1@22	19.06	18.36	21.73	20.04	0.1009
48	30	10	637000	3555	DFT-s-OFDM 64 QAM	12@6	17.69	17.05	20.39	18.7	0.0741
48	30	10	637000	3555	DFT-s-OFDM 64 QAM	1@1	17.61	17.12	20.38	18.69	0.0740
48	30	10	637000	3555	DFT-s-OFDM 64 QAM	1@22	17.48	16.92	20.22	18.53	0.0713
48	30	10	637000	3555	DFT-s-OFDM 256 QAM	12@6	15.88	16.06	18.98	17.29	0.0536
48	30	10	637000	3555	DFT-s-OFDM 256 QAM	1@1	15.44	15.74	18.60	16.91	0.0491
48	30	10	637000	3555	DFT-s-OFDM 256 QAM	1@22	15.47	15.73	18.61	16.92	0.0492
48	30	10	637000	3555	CP-OFDM QPSK	12@6	18.35	17.87	21.13	19.44	0.0879
48	30	10	637000	3555	CP-OFDM QPSK	1@1	18.6	18.07	21.35	19.66	0.0925
48	30	10	637000	3555	CP-OFDM QPSK	1@22	18.63	17.87	21.28	19.59	0.0910
48	30	10	641666	3624.99	DFT-s-OFDM PI/2 BPSK	12@6	19.71	19.77	22.75	21.06	0.1276
48	30	10	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@1	19.75	19.7	22.74	21.05	0.1274
48	30	10	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@22	19.69	19.69	22.70	21.01	0.1262
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	12@6	19.71	19.79	22.76	21.07	0.1279
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	1@1	19.64	19.7	22.68	20.99	0.1256
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	1@22	19.65	19.67	22.67	20.98	0.1253
48	30	10	641666	3624.99	DFT-s-OFDM 16 QAM	12@6	18.68	18.79	21.75	20.06	0.1014
48	30	10	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	18.7	18.81	21.77	20.08	0.1019
48	30	10	641666	3624.99	DFT-s-OFDM 16 QAM	1@22	18.81	18.62	21.73	20.04	0.1009
48	30	10	641666	3624.99	DFT-s-OFDM 64 QAM	12@6	17.27	17.26	20.28	18.59	0.0723
48	30	10	641666	3624.99	DFT-s-OFDM 64 QAM	1@1	17.1	17.04	20.08	18.39	0.0690
48	30	10	641666	3624.99	DFT-s-OFDM 64 QAM	1@22	17.17	17.15	20.17	18.48	0.0705
48	30	10	641666	3624.99	DFT-s-OFDM 256 QAM	12@6	15.51	15.99	18.77	17.08	0.0511



				9	QAM							
48	30	10	641666	3624.9 9	DFT-s-OFDM 256 QAM	1@1	15.3	15.76	18.55	16.86	0.0485	
48	30	10	641666	3624.9 9	DFT-s-OFDM 256 QAM	1@22	15.12	15.75	18.46	16.77	0.0475	
48	30	10	641666	3624.9 9	CP-OFDM QPSK	12@6	17.96	18.12	21.05	19.36	0.0863	
48	30	10	641666	3624.9 9	CP-OFDM QPSK	1@1	18.15	18.25	21.21	19.52	0.0895	
48	30	10	641666	3624.9 9	CP-OFDM QPSK	1@22	18.17	18.2	21.20	19.51	0.0893	
48	30	10	646332	3694.9 8	DFT-s-OFDM PI/2 BPSK	12@6	19.67	21.09	23.45	21.76	0.1500	
48	30	10	646332	3694.9 8	DFT-s-OFDM PI/2 BPSK	1@1	19.76	21.01	23.44	21.75	0.1496	
48	30	10	646332	3694.9 8	DFT-s-OFDM PI/2 BPSK	1@22	19.72	21.23	23.55	21.86	0.1535	
48	30	10	646332	3694.9 8	DFT-s-OFDM QPSK	12@6	19.86	21.27	23.63	21.94	0.1563	
48	30	10	646332	3694.9 8	DFT-s-OFDM QPSK	1@1	19.74	20.96	23.40	21.71	0.1483	
48	30	10	646332	3694.9 8	DFT-s-OFDM QPSK	1@22	19.99	21.22	23.66	21.97	0.1574	
48	30	10	646332	3694.9 8	DFT-s-OFDM 16 QAM	12@6	18.85	20.23	22.60	20.91	0.1233	
48	30	10	646332	3694.9 8	DFT-s-OFDM 16 QAM	1@1	18.84	20.19	22.58	20.89	0.1227	
48	30	10	646332	3694.9 8	DFT-s-OFDM 16 QAM	1@22	18.89	20.2	22.60	20.91	0.1233	
48	30	10	646332	3694.9 8	DFT-s-OFDM 64 QAM	12@6	17.38	18.73	21.12	19.43	0.0877	
48	30	10	646332	3694.9 8	DFT-s-OFDM 64 QAM	1@1	17.15	18.35	20.80	19.11	0.0815	
48	30	10	646332	3694.9 8	DFT-s-OFDM 64 QAM	1@22	17.07	18.54	20.88	19.19	0.0830	
48	30	10	646332	3694.9 8	DFT-s-OFDM 256 QAM	12@6	15.73	16.38	19.08	17.39	0.0548	
48	30	10	646332	3694.9 8	DFT-s-OFDM 256 QAM	1@1	15.26	16.05	18.68	16.99	0.0500	
48	30	10	646332	3694.9 8	DFT-s-OFDM 256 QAM	1@22	15.45	16.15	18.82	17.13	0.0516	
48	30	10	646332	3694.9 8	CP-OFDM QPSK	12@6	18.12	19.45	21.85	20.16	0.1038	
48	30	10	646332	3694.9 8	CP-OFDM QPSK	1@1	18.22	19.44	21.88	20.19	0.1045	
48	30	10	646332	3694.9 8	CP-OFDM QPSK	1@22	18.25	19.81	22.11	20.42	0.1102	
48	30	15	637168	3557.5 2	DFT-s-OFDM QPSK	18@9	20.23	19.76	23.01	21.32	0.1355	
48	30	15	637168	3557.5 2	DFT-s-OFDM QPSK	1@1	16.16	16.52	19.35	17.66	0.0583	
48	30	15	637168	3557.5 2	DFT-s-OFDM QPSK	1@36	20.12	19.68	22.92	21.23	0.1327	
48	30	15	637168	3557.5 2	DFT-s-OFDM 16 QAM	18@9	19.1	18.82	21.97	20.28	0.1067	
48	30	15	637168	3557.5 2	DFT-s-OFDM 16 QAM	1@1	15.19	15.52	18.37	16.68	0.0466	
48	30	15	637168	3557.5 2	DFT-s-OFDM 16 QAM	1@36	19.02	18.6	21.83	20.14	0.1033	
48	30	15	641666	3624.9 9	DFT-s-OFDM QPSK	18@9	19.77	19.97	22.88	21.19	0.1315	
48	30	15	641666	3624.9 9	DFT-s-OFDM QPSK	1@1	19.73	19.94	22.85	21.16	0.1306	
48	30	15	641666	3624.9 9	DFT-s-OFDM QPSK	1@36	19.71	19.9	22.82	21.13	0.1297	
48	30	15	641666	3624.9 9	DFT-s-OFDM 16 QAM	18@9	18.67	18.97	21.83	20.14	0.1033	
48	30	15	641666	3624.9	DFT-s-OFDM 16	1@1	18.66	18.87	21.78	20.09	0.1021	



				9	QAM							
48	30	15	641666	3624.9 9	DFT-s-OFDM 16 QAM	1@36	18.63	18.89	21.77	20.08	0.1019	
48	30	15	646166	3692.4 9	DFT-s-OFDM QPSK	18@9	19.82	21.3	23.63	21.94	0.1563	
48	30	15	646166	3692.4 9	DFT-s-OFDM QPSK	1@1	19.69	21	23.40	21.71	0.1483	
48	30	15	646166	3692.4 9	DFT-s-OFDM QPSK	1@36	15.81	16.84	19.37	17.68	0.0586	
48	30	15	646166	3692.4 9	DFT-s-OFDM 16 QAM	18@9	18.88	20.29	22.65	20.96	0.1247	
48	30	15	646166	3692.4 9	DFT-s-OFDM 16 QAM	1@1	18.7	19.96	22.39	20.7	0.1175	
48	30	15	646166	3692.4 9	DFT-s-OFDM 16 QAM	1@36	14.83	15.83	18.37	16.68	0.0466	
48	30	20	637334	3560.0 1	DFT-s-OFDM QPSK	25@12	20.23	19.83	23.04	21.35	0.1365	
48	30	20	637334	3560.0 1	DFT-s-OFDM QPSK	1@1	16.19	16.56	19.39	17.7	0.0589	
48	30	20	637334	3560.0 1	DFT-s-OFDM QPSK	1@49	20.14	19.7	22.94	21.25	0.1334	
48	30	20	637334	3560.0 1	DFT-s-OFDM 16 QAM	25@12	19.18	18.86	22.03	20.34	0.1081	
48	30	20	637334	3560.0 1	DFT-s-OFDM 16 QAM	1@1	15.19	15.59	18.40	16.71	0.0469	
48	30	20	637334	3560.0 1	DFT-s-OFDM 16 QAM	1@49	19.15	18.69	21.94	20.25	0.1059	
48	30	20	641666	3624.9 9	DFT-s-OFDM QPSK	25@12	19.74	20.01	22.89	21.2	0.1318	
48	30	20	641666	3624.9 9	DFT-s-OFDM QPSK	1@1	19.7	19.91	22.82	21.13	0.1297	
48	30	20	641666	3624.9 9	DFT-s-OFDM QPSK	1@49	19.72	19.89	22.82	21.13	0.1297	
48	30	20	641666	3624.9 9	DFT-s-OFDM 16 QAM	25@12	18.73	19.01	21.88	20.19	0.1045	
48	30	20	641666	3624.9 9	DFT-s-OFDM 16 QAM	1@1	18.69	18.91	21.81	20.12	0.1028	
48	30	20	641666	3624.9 9	DFT-s-OFDM 16 QAM	1@49	18.69	18.84	21.78	20.09	0.1021	
48	30	20	646000	3690	DFT-s-OFDM QPSK	25@12	19.84	21.26	23.62	21.93	0.1560	
48	30	20	646000	3690	DFT-s-OFDM QPSK	1@1	19.71	20.96	23.39	21.7	0.1479	
48	30	20	646000	3690	DFT-s-OFDM QPSK	1@49	15.83	16.86	19.39	17.7	0.0589	
48	30	20	646000	3690	DFT-s-OFDM 16 QAM	25@12	18.89	20.26	22.64	20.95	0.1245	
48	30	20	646000	3690	DFT-s-OFDM 16 QAM	1@1	18.68	19.97	22.38	20.69	0.1172	
48	30	20	646000	3690	DFT-s-OFDM 16 QAM	1@49	14.83	15.84	18.37	16.68	0.0466	
48	30	30	637668	3565.0 2	DFT-s-OFDM QPSK	36@18	20.24	19.8	23.04	21.35	0.1365	
48	30	30	637668	3565.0 2	DFT-s-OFDM QPSK	1@1	20.25	19.97	23.12	21.43	0.1390	
48	30	30	637668	3565.0 2	DFT-s-OFDM QPSK	1@76	19.95	19.54	22.76	21.07	0.1279	
48	30	30	637668	3565.0 2	DFT-s-OFDM 16 QAM	36@18	19.22	18.77	22.01	20.32	0.1076	
48	30	30	637668	3565.0 2	DFT-s-OFDM 16 QAM	1@1	19.28	19.01	22.16	20.47	0.1114	
48	30	30	637668	3565.0 2	DFT-s-OFDM 16 QAM	1@76	18.84	18.51	21.69	20	0.1000	
48	30	30	641666	3624.9 9	DFT-s-OFDM QPSK	36@18	19.73	20.07	22.91	21.22	0.1324	
48	30	30	641666	3624.9 9	DFT-s-OFDM QPSK	1@1	19.72	20.01	22.88	21.19	0.1315	
48	30	30	641666	3624.9 9	DFT-s-OFDM QPSK	1@76	19.6	19.97	22.80	21.11	0.1291	
48	30	30	641666	3624.9	DFT-s-OFDM 16	36@18	18.71	19.06	21.90	20.21	0.1050	



				9	QAM							
48	30	30	641666	3624.9 9	DFT-s-OFDM 16 QAM	1@1	18.66	18.95	21.82	20.13	0.1030	
48	30	30	641666	3624.9 9	DFT-s-OFDM 16 QAM	1@76	18.51	18.87	21.70	20.01	0.1002	
48	30	30	645666	3684.9 9	DFT-s-OFDM QPSK	36@18	19.8	21.14	23.53	21.84	0.1528	
48	30	30	645666	3684.9 9	DFT-s-OFDM QPSK	1@1	19.65	20.89	23.32	21.63	0.1455	
48	30	30	645666	3684.9 9	DFT-s-OFDM QPSK	1@76	19.61	21.35	23.58	21.89	0.1545	
48	30	30	645666	3684.9 9	DFT-s-OFDM 16 QAM	36@18	18.78	20.09	22.49	20.8	0.1202	
48	30	30	645666	3684.9 9	DFT-s-OFDM 16 QAM	1@1	18.56	19.8	22.23	20.54	0.1132	
48	30	30	645666	3684.9 9	DFT-s-OFDM 16 QAM	1@76	18.52	20.2	22.45	20.76	0.1191	
48	30	40	638000	3570	DFT-s-OFDM PI/2 BPSK	50@25	9.73	10.28	13.02	11.33	0.0136	
48	30	40	638000	3570	DFT-s-OFDM PI/2 BPSK	1@1	9.72	10.39	13.08	11.39	0.0138	
48	30	40	638000	3570	DFT-s-OFDM PI/2 BPSK	1@104	9.33	9.93	12.65	10.96	0.0125	
48	30	40	638000	3570	DFT-s-OFDM QPSK	50@25	9.75	10.24	13.01	11.32	0.0136	
48	30	40	638000	3570	DFT-s-OFDM QPSK	1@1	9.8	10.4	13.12	11.43	0.0139	
48	30	40	638000	3570	DFT-s-OFDM QPSK	1@104	9.31	9.93	12.64	10.95	0.0124	
48	30	40	638000	3570	DFT-s-OFDM 16 QAM	50@25	9.21	9.77	12.51	10.82	0.0121	
48	30	40	638000	3570	DFT-s-OFDM 16 QAM	1@1	9.27	10.02	12.67	10.98	0.0125	
48	30	40	638000	3570	DFT-s-OFDM 16 QAM	1@104	8.9	9.53	12.24	10.55	0.0114	
48	30	40	638000	3570	DFT-s-OFDM 64 QAM	50@25	9.23	9.81	12.54	10.85	0.0122	
48	30	40	638000	3570	DFT-s-OFDM 64 QAM	1@1	9.26	10.02	12.67	10.98	0.0125	
48	30	40	638000	3570	DFT-s-OFDM 64 QAM	1@104	8.94	9.29	12.13	10.44	0.0111	
48	30	40	638000	3570	DFT-s-OFDM 256 QAM	50@25	9.19	9.74	12.48	10.79	0.0120	
48	30	40	638000	3570	DFT-s-OFDM 256 QAM	1@1	9.06	9.53	12.31	10.62	0.0115	
48	30	40	638000	3570	DFT-s-OFDM 256 QAM	1@104	8.64	9.27	11.98	10.29	0.0107	
48	30	40	638000	3570	CP-OFDM QPSK	53@26	8.71	9.05	11.89	10.2	0.0105	
48	30	40	638000	3570	CP-OFDM QPSK	1@1	8.74	9.17	11.97	10.28	0.0107	
48	30	40	638000	3570	CP-OFDM QPSK	1@104	8.31	8.8	11.57	9.88	0.0097	
48	30	40	641666	3624.9 9	DFT-s-OFDM PI/2 BPSK	50@25	19.72	19.9	22.82	21.13	0.1297	
48	30	40	641666	3624.9 9	DFT-s-OFDM PI/2 BPSK	1@1	15.71	16.53	19.15	17.46	0.0557	
48	30	40	641666	3624.9 9	DFT-s-OFDM PI/2 BPSK	1@104	15.55	16.12	18.85	17.16	0.0520	
48	30	40	641666	3624.9 9	DFT-s-OFDM QPSK	50@25	19.71	19.91	22.82	21.13	0.1297	
48	30	40	641666	3624.9 9	DFT-s-OFDM QPSK	1@1	15.72	16.54	19.16	17.47	0.0558	
48	30	40	641666	3624.9 9	DFT-s-OFDM QPSK	1@104	15.51	16.11	18.83	17.14	0.0518	
48	30	40	641666	3624.9 9	DFT-s-OFDM 16 QAM	50@25	18.72	18.93	21.84	20.15	0.1035	
48	30	40	641666	3624.9 9	DFT-s-OFDM 16 QAM	1@1	15.81	16.59	19.23	17.54	0.0568	
48	30	40	641666	3624.9 9	DFT-s-OFDM 16 QAM	1@104	15.54	16.08	18.83	17.14	0.0518	
48	30	40	641666	3624.9 9	DFT-s-OFDM 64 QAM	50@25	17.27	17.47	20.38	18.69	0.0740	



48	30	40	641666	3624.9 9	DFT-s-OFDM 64 QAM	1@1	15.53	16.45	19.02	17.33	0.0541
48	30	40	641666	3624.9 9	DFT-s-OFDM 64 QAM	1@104	15.49	16.06	18.79	17.1	0.0513
48	30	40	641666	3624.9 9	DFT-s-OFDM 256 QAM	50@25	15.3	15.91	18.63	16.94	0.0494
48	30	40	641666	3624.9 9	DFT-s-OFDM 256 QAM	1@1	15.2	15.79	18.52	16.83	0.0482
48	30	40	641666	3624.9 9	DFT-s-OFDM 256 QAM	1@104	14.96	15.6	18.30	16.61	0.0458
48	30	40	641666	3624.9 9	CP-OFDM QPSK	53@26	18.19	18.45	21.33	19.64	0.0920
48	30	40	641666	3624.9 9	CP-OFDM QPSK	1@1	15.64	16.47	19.09	17.4	0.0550
48	30	40	641666	3624.9 9	CP-OFDM QPSK	1@104	15.58	16.16	18.89	17.2	0.0525
48	30	40	645332	3679.9 8	DFT-s-OFDM PI/2 BPSK	50@25	9.51	10.1	12.83	11.14	0.0130
48	30	40	645332	3679.9 8	DFT-s-OFDM PI/2 BPSK	1@1	9.24	9.94	12.61	10.92	0.0124
48	30	40	645332	3679.9 8	DFT-s-OFDM PI/2 BPSK	1@104	9.39	10.18	12.81	11.12	0.0129
48	30	40	645332	3679.9 8	DFT-s-OFDM QPSK	50@25	9.49	10.11	12.82	11.13	0.0130
48	30	40	645332	3679.9 8	DFT-s-OFDM QPSK	1@1	9.24	9.94	12.61	10.92	0.0124
48	30	40	645332	3679.9 8	DFT-s-OFDM QPSK	1@104	9.38	10.13	12.78	11.09	0.0129
48	30	40	645332	3679.9 8	DFT-s-OFDM 16 QAM	50@25	8.97	9.58	12.30	10.61	0.0115
48	30	40	645332	3679.9 8	DFT-s-OFDM 16 QAM	1@1	8.8	9.57	12.21	10.52	0.0113
48	30	40	645332	3679.9 8	DFT-s-OFDM 16 QAM	1@104	8.89	9.69	12.32	10.63	0.0116
48	30	40	645332	3679.9 8	DFT-s-OFDM 64 QAM	50@25	9.02	9.59	12.32	10.63	0.0116
48	30	40	645332	3679.9 8	DFT-s-OFDM 64 QAM	1@1	8.87	9.42	12.16	10.47	0.0111
48	30	40	645332	3679.9 8	DFT-s-OFDM 64 QAM	1@104	8.91	9.62	12.29	10.6	0.0115
48	30	40	645332	3679.9 8	DFT-s-OFDM 256 QAM	50@25	8.92	9.58	12.27	10.58	0.0114
48	30	40	645332	3679.9 8	DFT-s-OFDM 256 QAM	1@1	8.74	9.43	12.11	10.42	0.0110
48	30	40	645332	3679.9 8	DFT-s-OFDM 256 QAM	1@104	8.68	9.56	12.15	10.46	0.0111
48	30	40	645332	3679.9 8	CP-OFDM QPSK	53@26	8.55	9.08	11.83	10.14	0.0103
48	30	40	645332	3679.9 8	CP-OFDM QPSK	1@1	8.27	8.98	11.65	9.96	0.0099
48	30	40	645332	3679.9 8	CP-OFDM QPSK	1@104	8.4	9.14	11.80	10.11	0.0103

# FR1 N48 MIMO-ANT2

## 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	15.7	PASS	NV
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	13.8	PASS	LV
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	4.6	PASS	HV
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	14.3	PASS	-30°C
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	4.5	PASS	-20°C
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	14.3	PASS	-10°C
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	4.6	PASS	0°C
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	2.9	PASS	10°C
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	15.7	PASS	20°C
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	8.3	PASS	30°C
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	14.2	PASS	40°C
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	8	PASS	50°C

$|\text{MAX}(\Delta f)| = 15.7 \text{ Hz}$

Frequency Stability	Frequency (MHz)	Limit Line	Result
fL - $ \text{MAX}(\Delta f) $	3550.859184	$\geq 3550 \text{ MHz}$	PASS
fH + $ \text{MAX}(\Delta f) $	3698.751216	$\leq 3700 \text{ MHz}$	

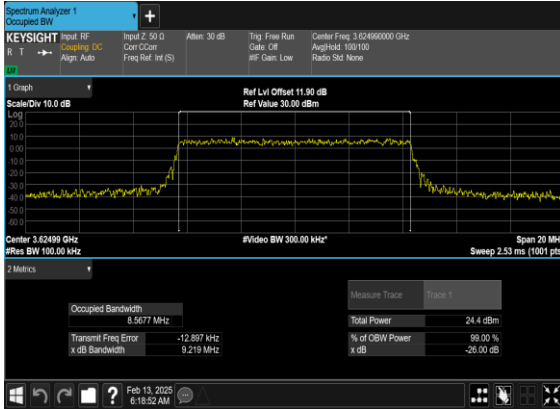


### Occupied Bandwidth

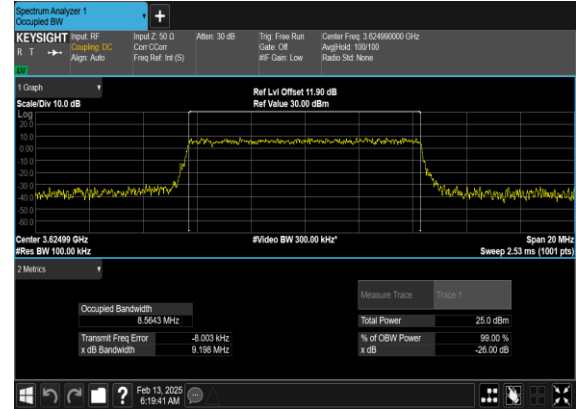
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
48	30	10	641666	3624.99	CP-OFDM QPSK	24@0	8.5677	9.219
48	30	10	641666	3624.99	CP-OFDM 16 QAM	24@0	8.5643	9.198
48	30	10	641666	3624.99	CP-OFDM 64 QAM	24@0	8.5837	9.135
48	30	10	641666	3624.99	CP-OFDM 256 QAM	24@0	8.5763	9.182
48	30	15	641666	3624.99	CP-OFDM QPSK	38@0	13.551	14.2
48	30	15	641666	3624.99	CP-OFDM 16 QAM	38@0	13.618	14.33
48	30	15	641666	3624.99	CP-OFDM 64 QAM	38@0	13.607	14.28
48	30	15	641666	3624.99	CP-OFDM 256 QAM	38@0	13.556	14.24
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	18.137	18.9
48	30	20	641666	3624.99	CP-OFDM 16 QAM	51@0	18.181	19.15
48	30	20	641666	3624.99	CP-OFDM 64 QAM	51@0	18.169	18.97
48	30	20	641666	3624.99	CP-OFDM 256 QAM	51@0	18.131	19.06
48	30	30	641666	3624.99	CP-OFDM QPSK	78@0	27.739	29.0
48	30	30	641666	3624.99	CP-OFDM 16 QAM	78@0	27.889	29.08
48	30	30	641666	3624.99	CP-OFDM 64 QAM	78@0	27.717	28.84
48	30	30	641666	3624.99	CP-OFDM 256 QAM	78@0	27.765	29.02
48	30	40	641666	3624.99	CP-OFDM QPSK	106@0	37.858	39.33
48	30	40	641666	3624.99	CP-OFDM 16 QAM	106@0	37.859	39.3
48	30	40	641666	3624.99	CP-OFDM 64 QAM	106@0	37.745	39.27
48	30	40	641666	3624.99	CP-OFDM 256 QAM	106@0	37.835	39.43



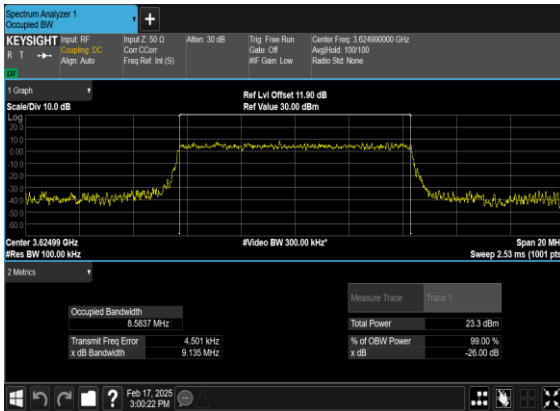
N48(10M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



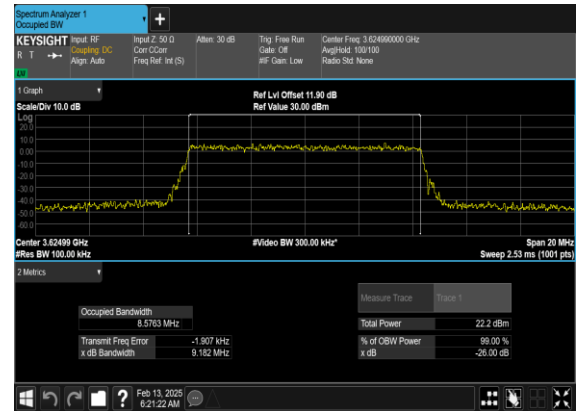
N48(10M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



N48(10M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH

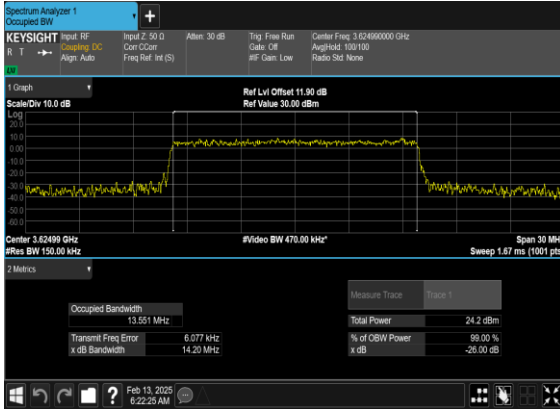


N48(10M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH

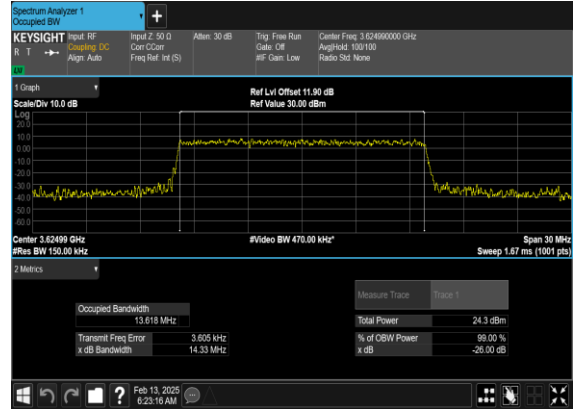




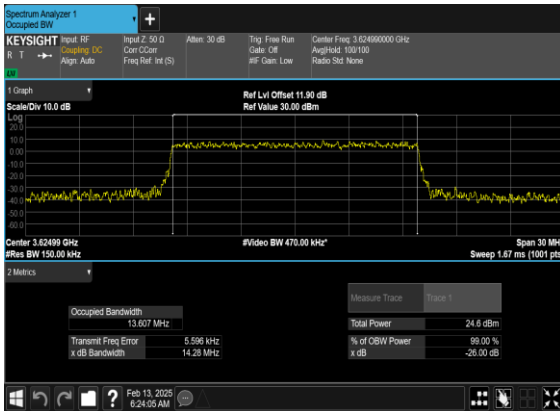
N48(15M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



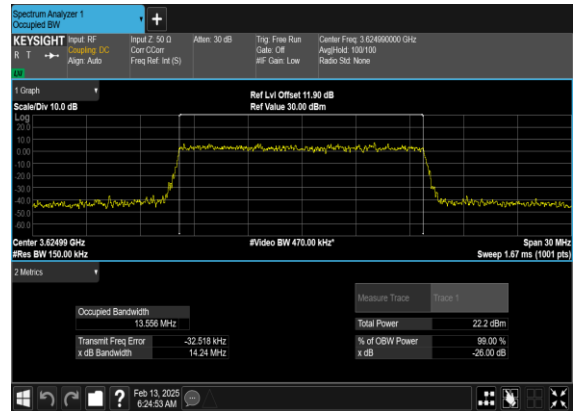
N48(15M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



N48(15M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH

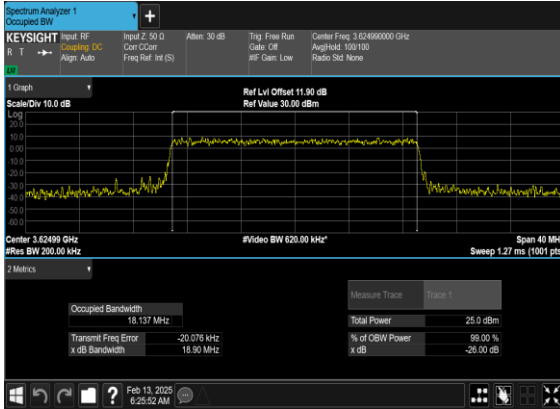


N48(15M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH

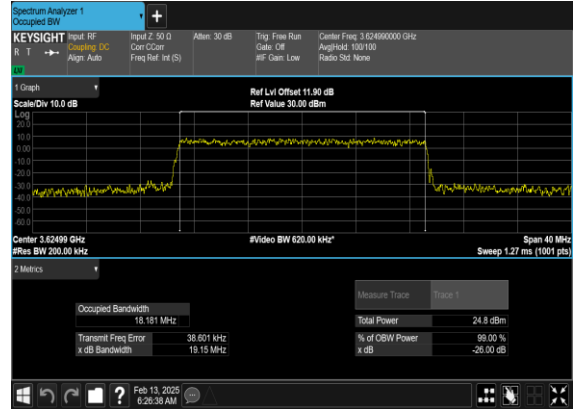




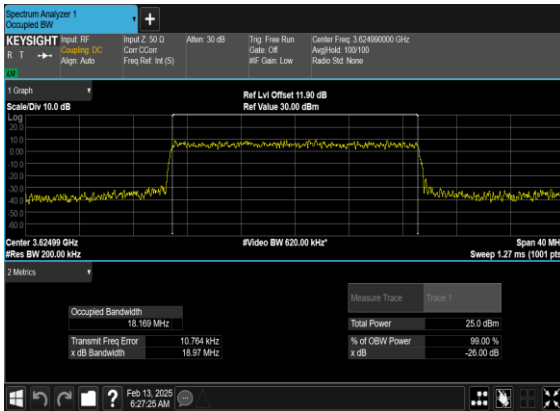
### N48(20M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



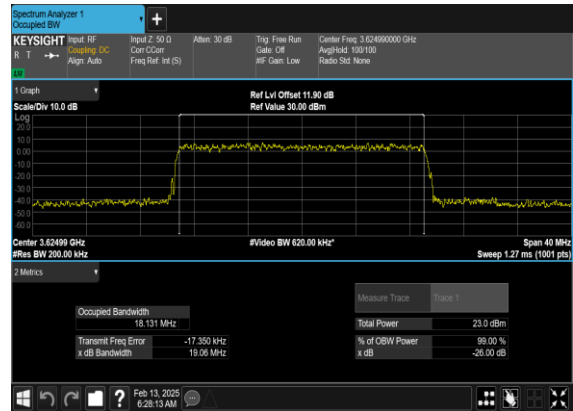
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### N48(20M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH

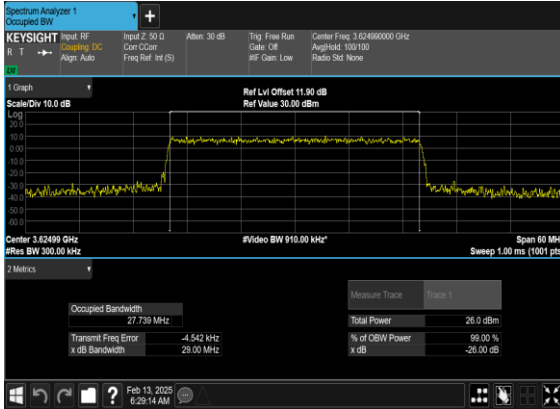


### N48(20M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH

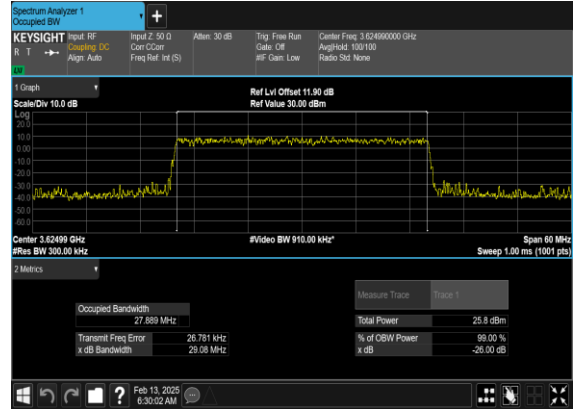




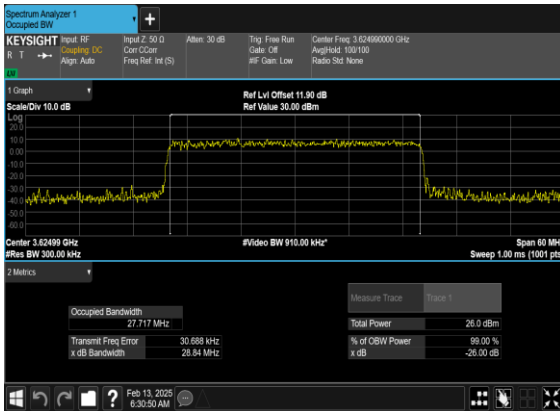
N48(30M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



N48(30M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



N48(30M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH



N48(30M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH

