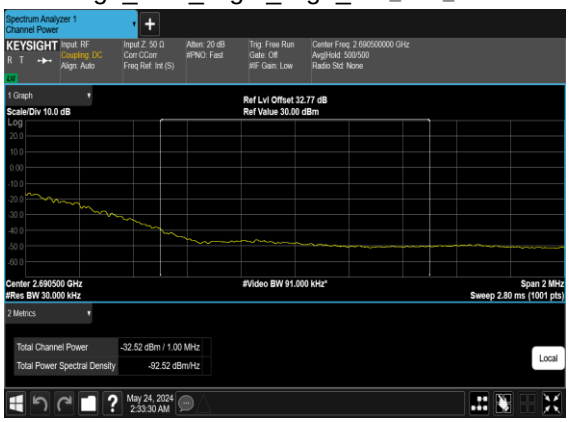
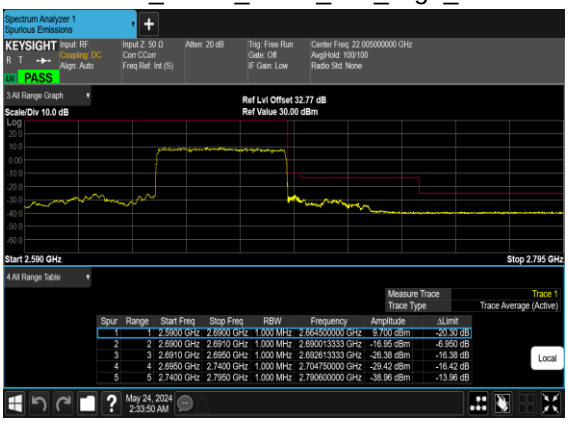
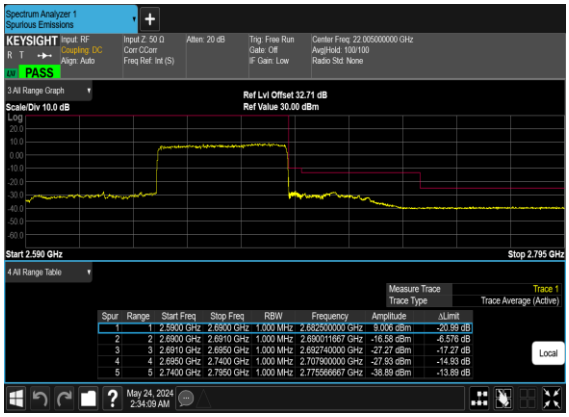
N41(50M)_DFT-s-OFDM_QPSK_ Edge_1RB_Right_High_CH_**CHP_PASS**



N41(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N41(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 23.06.1602

FR1 N41(ANT5)-SCS 30K

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=-0.26dB

NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
41	30	100	509202	2546.01	DFT-s-OFDM PI/2 BPSK	135@67	26.33	26.07	0.4046
41	30	100	509202	2546.01	DFT-s-OFDM PI/2 BPSK	1@1	26.34	26.08	0.4055
41	30	100	509202	2546.01	DFT-s-OFDM PI/2 BPSK	1@271	26.28	26.02	0.3999
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	135@67	26.34	26.08	0.4055
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@1	26.27	26.01	0.3990
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@271	26.13	25.87	0.3864
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	135@67	25.44	25.18	0.3296
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	1@1	25.53	25.27	0.3365
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	1@271	25.44	25.18	0.3296
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	135@67	23.99	23.73	0.2360
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	1@1	24.09	23.83	0.2415
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	1@271	23.93	23.67	0.2328
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	135@67	22.05	21.79	0.1510
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	1@1	21.84	21.58	0.1439
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	1@271	21.7	21.44	0.1393
41	30	100	509202	2546.01	CP-OFDM QPSK	137@68	24.84	24.58	0.2871
41	30	100	509202	2546.01	CP-OFDM QPSK	1@1	25.44	25.18	0.3296
41	30	100	509202	2546.01	CP-OFDM QPSK	1@271	25.28	25.02	0.3177
41	30	100	518598	2592.99	DFT-s-OFDM PI/2 BPSK	135@67	26.22	25.96	0.3945
41	30	100	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@1	26.11	25.85	0.3846
41	30	100	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@271	26.1	25.84	0.3837
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	135@67	26.21	25.95	0.3936
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@1	26.19	25.93	0.3917
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@271	26.03	25.77	0.3776
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	135@67	25.3	25.04	0.3192
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	25.32	25.06	0.3206
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	1@271	25.37	25.11	0.3243
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	135@67	23.82	23.56	0.2270
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	1@1	23.81	23.55	0.2265
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	1@271	23.77	23.51	0.2244
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	135@67	21.88	21.62	0.1452
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	1@1	21.59	21.33	0.1358
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	1@271	21.55	21.29	0.1346
41	30	100	518598	2592.99	CP-OFDM QPSK	137@68	24.66	24.4	0.2754

41	30	100	518598	2592.99	CP-OFDM QPSK	1@1	25.31	25.05	0.3199
41	30	100	518598	2592.99	CP-OFDM QPSK	1@271	25.13	24.87	0.3069
41	30	100	528000	2640	DFT-s-OFDM PI/2 BPSK	135@67	26.08	25.82	0.3819
41	30	100	528000	2640	DFT-s-OFDM PI/2 BPSK	1@1	26.04	25.78	0.3784
41	30	100	528000	2640	DFT-s-OFDM PI/2 BPSK	1@271	26.26	26	0.3981
41	30	100	528000	2640	DFT-s-OFDM QPSK	135@67	26.08	25.82	0.3819
41	30	100	528000	2640	DFT-s-OFDM QPSK	1@1	26.39	26.13	0.4102
41	30	100	528000	2640	DFT-s-OFDM QPSK	1@271	26.19	25.93	0.3917
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	135@67	25.13	24.87	0.3069
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	1@1	25.2	24.94	0.3119
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	1@271	25.49	25.23	0.3334
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	135@67	23.65	23.39	0.2183
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	1@1	23.73	23.47	0.2223
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	1@271	23.93	23.67	0.2328
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	135@67	21.73	21.47	0.1403
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	1@1	21.52	21.26	0.1337
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	1@271	21.75	21.49	0.1409
41	30	100	528000	2640	CP-OFDM QPSK	137@68	24.5	24.24	0.2655
41	30	100	528000	2640	CP-OFDM QPSK	1@1	25.1	24.84	0.3048
41	30	100	528000	2640	CP-OFDM QPSK	1@271	25.39	25.13	0.3258
41	30	10	500202	2501.01	DFT-s-OFDM PI/2 BPSK	1@1	26.2	25.94	0.3926
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@1	26.37	26.11	0.4083
41	30	10	500202	2501.01	DFT-s-OFDM 16 QAM	1@1	25.47	25.21	0.3319
41	30	10	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@1	25.99	25.73	0.3741
41	30	10	518598	2592.99	DFT-s-OFDM QPSK	1@1	26.06	25.8	0.3802
41	30	10	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	25.23	24.97	0.3141
41	30	10	537000	2685	DFT-s-OFDM PI/2 BPSK	1@1	25.77	25.51	0.3556
41	30	10	537000	2685	DFT-s-OFDM QPSK	1@1	25.75	25.49	0.3540
41	30	10	537000	2685	DFT-s-OFDM 16 QAM	1@1	25.04	24.78	0.3006
41	30	15	500700	2503.5	DFT-s-OFDM PI/2 BPSK	1@1	26.23	25.97	0.3954
41	30	15	500700	2503.5	DFT-s-OFDM QPSK	1@1	26.26	26	0.3981
41	30	15	500700	2503.5	DFT-s-OFDM 16 QAM	1@1	25.44	25.18	0.3296
41	30	15	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@1	25.99	25.73	0.3741
41	30	15	518598	2592.99	DFT-s-OFDM QPSK	1@1	26.01	25.75	0.3758
41	30	15	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	25.22	24.96	0.3133
41	30	15	536496	2682.48	DFT-s-OFDM PI/2 BPSK	1@1	25.66	25.4	0.3467
41	30	15	536496	2682.48	DFT-s-OFDM QPSK	1@1	25.96	25.7	0.3715
41	30	15	536496	2682.48	DFT-s-OFDM 16 QAM	1@1	24.91	24.65	0.2917
41	30	20	501204	2506.02	DFT-s-OFDM PI/2 BPSK	1@1	26.2	25.94	0.3926
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	1@1	26.53	26.27	0.4236
41	30	20	501204	2506.02	DFT-s-OFDM 16 QAM	1@1	25.41	25.15	0.3273

41	30	20	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@1	25.99	25.73	0.3741
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	1@1	26.27	26.01	0.3990
41	30	20	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	25.25	24.99	0.3155
41	30	20	535998	2679.99	DFT-s-OFDM PI/2 BPSK	1@1	25.66	25.4	0.3467
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	1@1	25.94	25.68	0.3698
41	30	20	535998	2679.99	DFT-s-OFDM 16 QAM	1@1	24.92	24.66	0.2924
41	30	30	502200	2511	DFT-s-OFDM PI/2 BPSK	1@1	26.25	25.99	0.3972
41	30	30	502200	2511	DFT-s-OFDM QPSK	1@1	26.29	26.03	0.4009
41	30	30	502200	2511	DFT-s-OFDM 16 QAM	1@1	25.4	25.14	0.3266
41	30	30	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@1	26.01	25.75	0.3758
41	30	30	518598	2592.99	DFT-s-OFDM QPSK	1@1	26.11	25.85	0.3846
41	30	30	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	25.26	25	0.3162
41	30	30	534996	2674.98	DFT-s-OFDM PI/2 BPSK	1@1	25.65	25.39	0.3459
41	30	30	534996	2674.98	DFT-s-OFDM QPSK	1@1	25.79	25.53	0.3573
41	30	30	534996	2674.98	DFT-s-OFDM 16 QAM	1@1	24.87	24.61	0.2891
41	30	40	503202	2516.01	DFT-s-OFDM PI/2 BPSK	1@1	26.16	25.9	0.3890
41	30	40	503202	2516.01	DFT-s-OFDM QPSK	1@1	26.24	25.98	0.3963
41	30	40	503202	2516.01	DFT-s-OFDM 16 QAM	1@1	25.38	25.12	0.3251
41	30	40	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@1	25.96	25.7	0.3715
41	30	40	518598	2592.99	DFT-s-OFDM QPSK	1@1	26.27	26.01	0.3990
41	30	40	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	25.18	24.92	0.3105
41	30	40	534000	2670	DFT-s-OFDM PI/2 BPSK	1@1	25.62	25.36	0.3436
41	30	40	534000	2670	DFT-s-OFDM QPSK	1@1	25.89	25.63	0.3656
41	30	40	534000	2670	DFT-s-OFDM 16 QAM	1@1	24.84	24.58	0.2871
41	30	50	504204	2521.02	DFT-s-OFDM PI/2 BPSK	1@1	26.13	25.87	0.3864
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@1	26.46	26.2	0.4169
41	30	50	504204	2521.02	DFT-s-OFDM 16 QAM	1@1	25.35	25.09	0.3228
41	30	50	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@1	25.89	25.63	0.3656
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@1	26.22	25.96	0.3945
41	30	50	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	25.13	24.87	0.3069
41	30	50	532998	2664.99	DFT-s-OFDM PI/2 BPSK	1@1	25.58	25.32	0.3404
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@1	25.89	25.63	0.3656
41	30	50	532998	2664.99	DFT-s-OFDM 16 QAM	1@1	24.79	24.53	0.2838
41	30	60	505200	2526	DFT-s-OFDM PI/2 BPSK	1@1	26.2	25.94	0.3926
41	30	60	505200	2526	DFT-s-OFDM QPSK	1@1	26.54	26.28	0.4246
41	30	60	505200	2526	DFT-s-OFDM 16 QAM	1@1	25.45	25.19	0.3304
41	30	60	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@1	25.92	25.66	0.3681
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	1@1	26.25	25.99	0.3972
41	30	60	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	25.14	24.88	0.3076
41	30	60	531996	2659.98	DFT-s-OFDM PI/2 BPSK	1@1	25.63	25.37	0.3443
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	1@1	26.06	25.8	0.3802

41	30	60	531996	2659.98	DFT-s-OFDM 16 QAM	1@1	24.82	24.56	0.2858
41	30	80	507204	2536.02	DFT-s-OFDM PI/2 BPSK	1@1	26.3	26.04	0.4018
41	30	80	507204	2536.02	DFT-s-OFDM QPSK	1@1	26.38	26.12	0.4093
41	30	80	507204	2536.02	DFT-s-OFDM 16 QAM	1@1	25.52	25.26	0.3357
41	30	80	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@1	26.03	25.77	0.3776
41	30	80	518598	2592.99	DFT-s-OFDM QPSK	1@1	26.07	25.81	0.3811
41	30	80	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	25.24	24.98	0.3148
41	30	80	529998	2649.99	DFT-s-OFDM PI/2 BPSK	1@1	25.63	25.37	0.3443
41	30	80	529998	2649.99	DFT-s-OFDM QPSK	1@1	26	25.74	0.3750
41	30	80	529998	2649.99	DFT-s-OFDM 16 QAM	1@1	24.85	24.59	0.2877
41	30	90	508200	2541	DFT-s-OFDM PI/2 BPSK	1@1	26.25	25.99	0.3972
41	30	90	508200	2541	DFT-s-OFDM QPSK	1@1	26.3	26.04	0.4018
41	30	90	508200	2541	DFT-s-OFDM 16 QAM	1@1	25.45	25.19	0.3304
41	30	90	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@1	25.98	25.72	0.3733
41	30	90	518598	2592.99	DFT-s-OFDM QPSK	1@1	26.04	25.78	0.3784
41	30	90	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	25.22	24.96	0.3133
41	30	90	528996	2644.98	DFT-s-OFDM PI/2 BPSK	1@1	25.71	25.45	0.3508
41	30	90	528996	2644.98	DFT-s-OFDM QPSK	1@1	25.74	25.48	0.3532
41	30	90	528996	2644.98	DFT-s-OFDM 16 QAM	1@1	24.9	24.64	0.2911

FR1 N41(ANT4)-SCS 30K

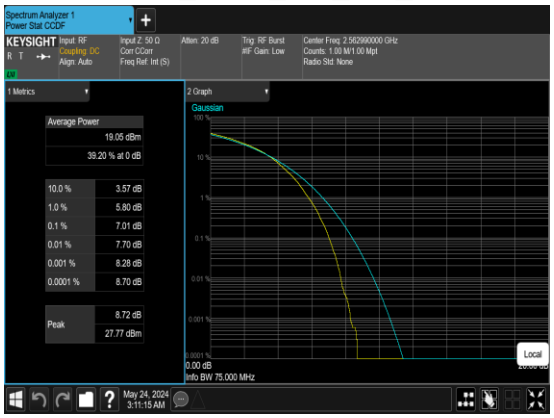
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
41	30	60	518598	2592.99	DFT-s-OFDM PI/2 BPSK	162@0	-0.0089	**PASS**	NV
41	30	60	518598	2592.99	DFT-s-OFDM PI/2 BPSK	162@0	-0.0059	**PASS**	LV
41	30	60	518598	2592.99	DFT-s-OFDM PI/2 BPSK	162@0	0.0063	**PASS**	HV
41	30	60	518598	2592.99	DFT-s-OFDM PI/2 BPSK	162@0	-0.0050	**PASS**	-30℃
41	30	60	518598	2592.99	DFT-s-OFDM PI/2 BPSK	162@0	-0.0044	**PASS**	-20℃
41	30	60	518598	2592.99	DFT-s-OFDM PI/2 BPSK	162@0	-0.0055	**PASS**	-10℃
41	30	60	518598	2592.99	DFT-s-OFDM PI/2 BPSK	162@0	-0.0091	**PASS**	0℃
41	30	60	518598	2592.99	DFT-s-OFDM PI/2 BPSK	162@0	-0.0056	**PASS**	10℃
41	30	60	518598	2592.99	DFT-s-OFDM PI/2 BPSK	162@0	-0.0101	**PASS**	20℃
41	30	60	518598	2592.99	DFT-s-OFDM PI/2 BPSK	162@0	-0.0047	**PASS**	30℃
41	30	60	518598	2592.99	DFT-s-OFDM PI/2 BPSK	162@0	-0.0034	**PASS**	40℃
41	30	60	518598	2592.99	DFT-s-OFDM PI/2 BPSK	162@0	-0.0089	**PASS**	50℃

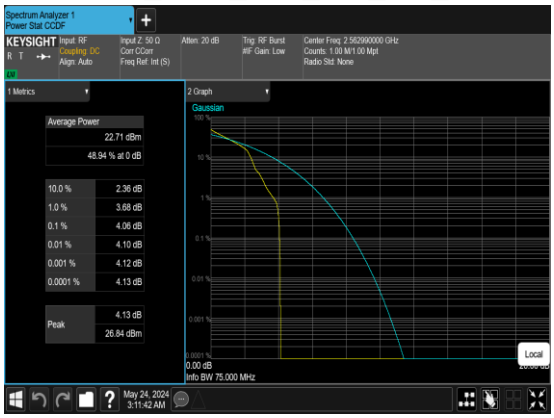
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
41	30	60	518598	2592.99	DFT-s-OFDM PI/2 BPSK	162@0	7.01	13	**PASS**
41	30	60	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@0	4.06	13	**PASS**
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	162@0	7.79	13	**PASS**
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	1@0	4.93	13	**PASS**

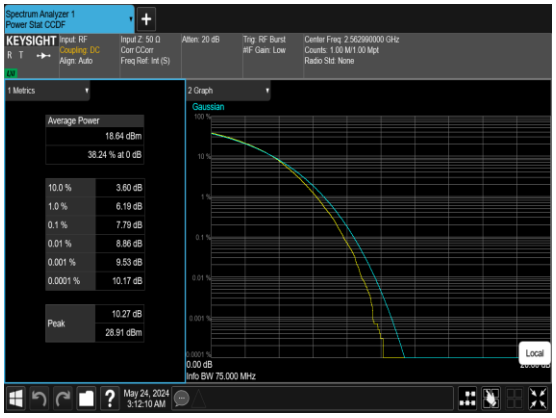
N41(60M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



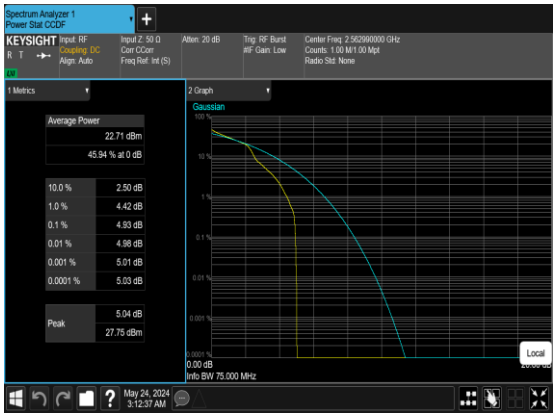
N41(60M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



N41(60M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



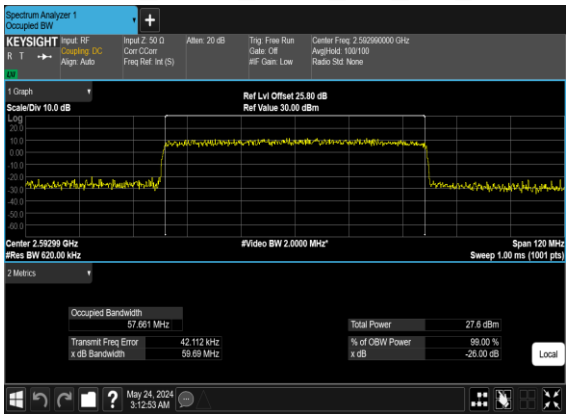
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



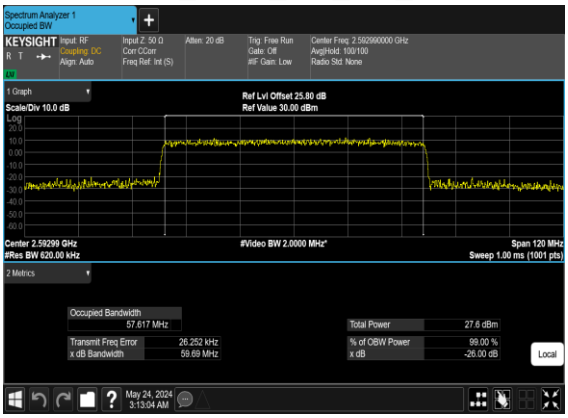
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
41	30	60	518598	2592.99	CP-OFDM QPSK	162@0	57.661	59.69
41	30	60	518598	2592.99	CP-OFDM 16 QAM	162@0	57.617	59.69
41	30	60	518598	2592.99	CP-OFDM 64 QAM	162@0	57.659	59.66
41	30	60	518598	2592.99	CP-OFDM 256 QAM	162@0	57.676	59.67
41	30	80	518598	2592.99	CP-OFDM QPSK	217@0	77.455	79.81
41	30	80	518598	2592.99	CP-OFDM 16 QAM	217@0	77.417	79.88
41	30	80	518598	2592.99	CP-OFDM 64 QAM	217@0	77.361	80.04
41	30	80	518598	2592.99	CP-OFDM 256 QAM	217@0	77.466	79.84
41	30	90	518598	2592.99	CP-OFDM QPSK	245@0	87.379	90.23
41	30	90	518598	2592.99	CP-OFDM 16 QAM	245@0	87.75	90.29
41	30	90	518598	2592.99	CP-OFDM 64 QAM	245@0	87.482	90.11
41	30	90	518598	2592.99	CP-OFDM 256 QAM	245@0	87.509	90.31
41	30	100	518598	2592.99	CP-OFDM QPSK	273@0	97.353	100.4
41	30	100	518598	2592.99	CP-OFDM 16 QAM	273@0	97.391	100.4
41	30	100	518598	2592.99	CP-OFDM 64 QAM	273@0	97.147	100.5
41	30	100	518598	2592.99	CP-OFDM 256 QAM	273@0	97.4	100.4

N41(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



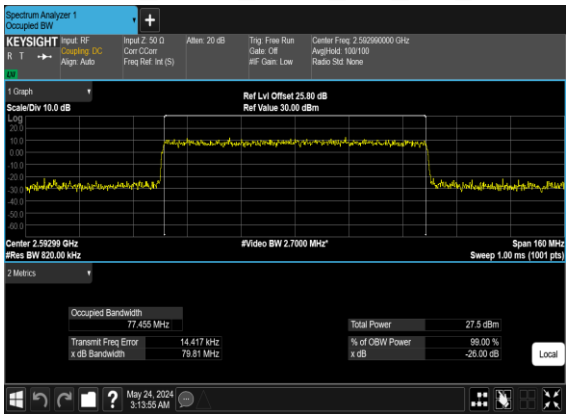
N41(60M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



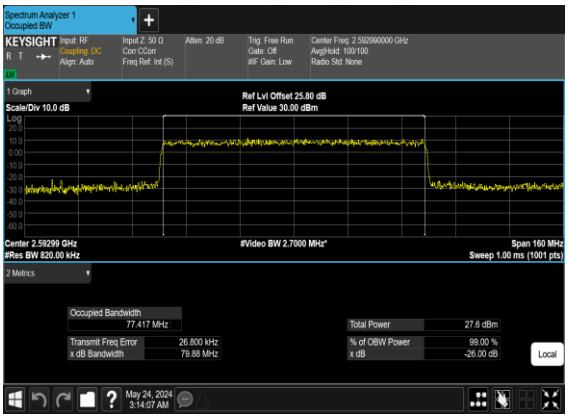
N41(60M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N41(60M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

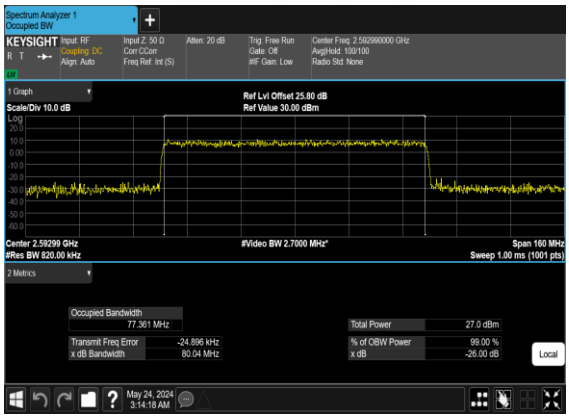
N41(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



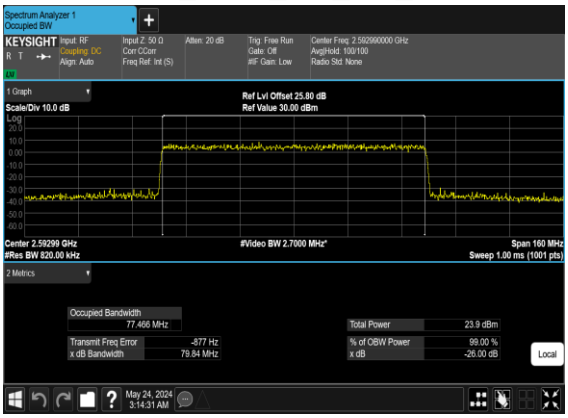
N41(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N41(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N41(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

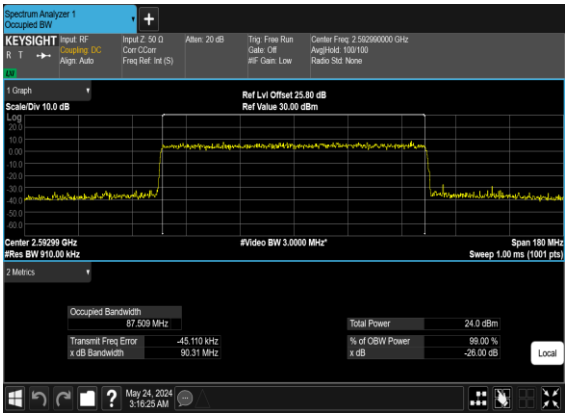


N41(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

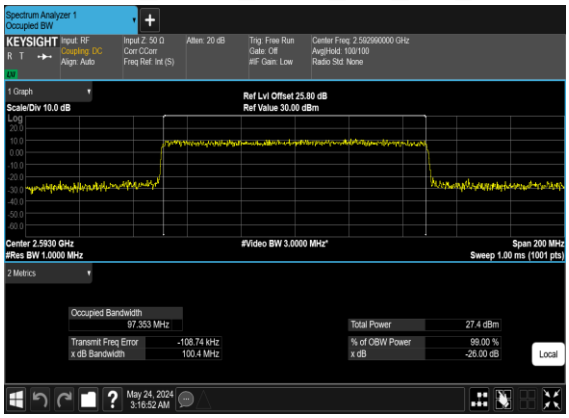
N41(90M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N41(90M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

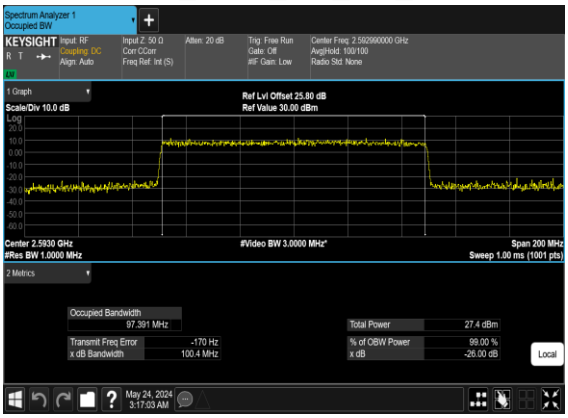
N41(90M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N41(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N41(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N41(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N41(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

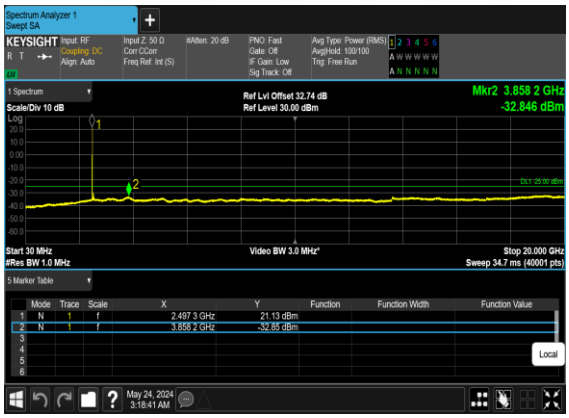
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	60	505200	2526.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
41	30	60	505200	2526.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	60	505200	2526.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	60	505200	2526.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
41	30	60	505200	2526.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	60	505200	2526.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	60	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	**---**
41	30	60	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	60	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	**---**
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	60	531996	2659.98	DFT-s-OFDM BPSK	1@0	see graph	**---**
41	30	60	531996	2659.98	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	60	531996	2659.98	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	1@0	see graph	**---**
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	80	507204	2536.02	DFT-s-OFDM BPSK	1@0	see graph	**---**
41	30	80	507204	2536.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	80	507204	2536.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	80	507204	2536.02	DFT-s-OFDM QPSK	1@0	see graph	**---**
41	30	80	507204	2536.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

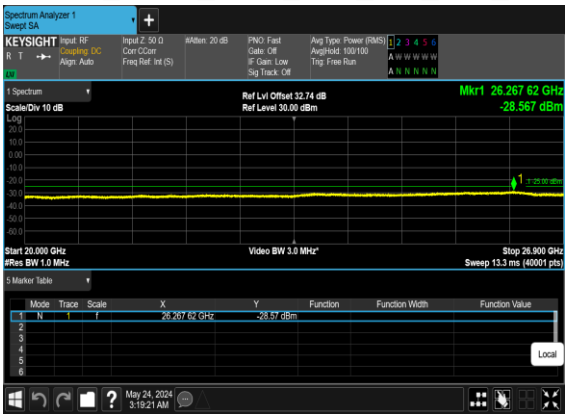
41	30	80	507204	2536.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	80	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	**---**
41	30	80	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	80	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	80	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	**---**
41	30	80	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	80	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	80	529998	2649.99	DFT-s-OFDM BPSK	1@0	see graph	**---**
41	30	80	529998	2649.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	80	529998	2649.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	80	529998	2649.99	DFT-s-OFDM QPSK	1@0	see graph	**---**
41	30	80	529998	2649.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	80	529998	2649.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@0	see graph	**---**
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	100	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	**---**
41	30	100	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	100	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	**---**
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

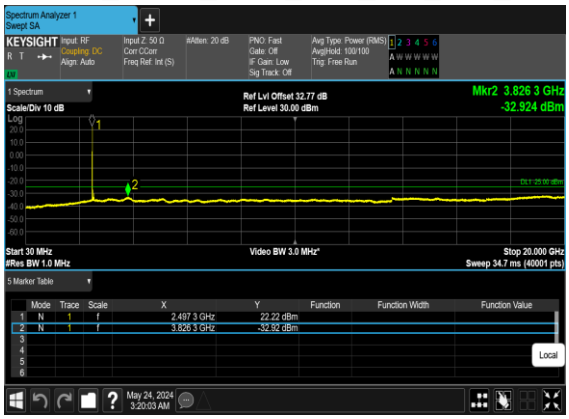
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



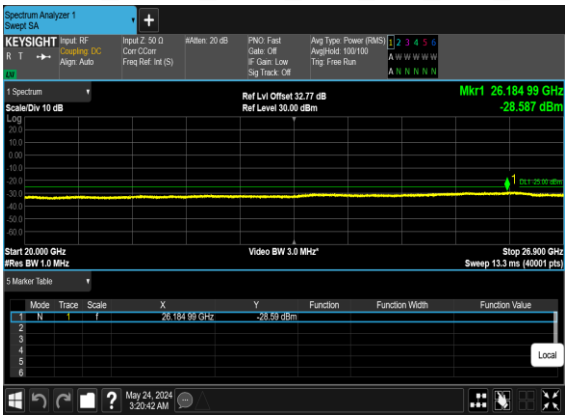
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



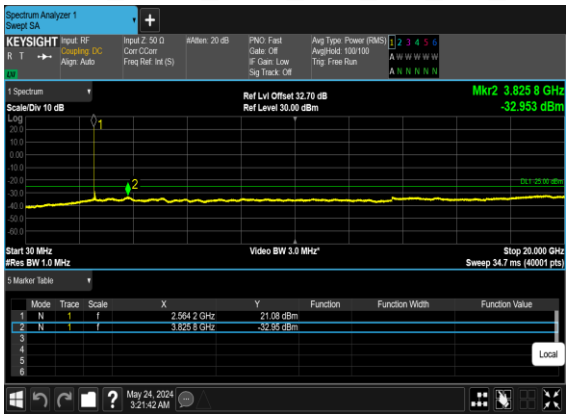
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



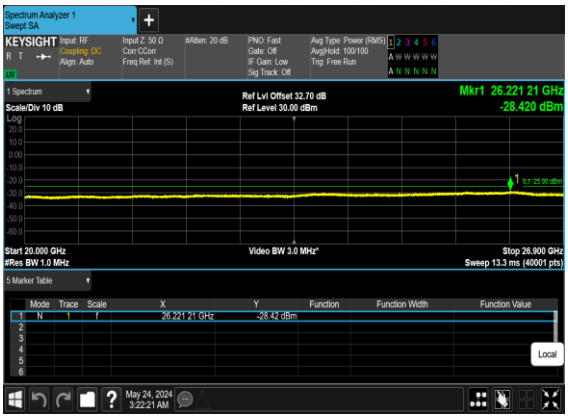
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



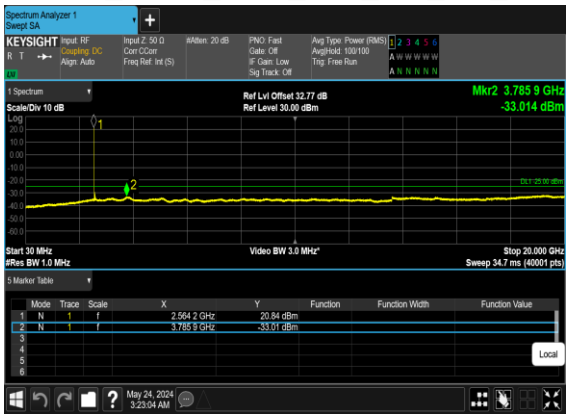
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



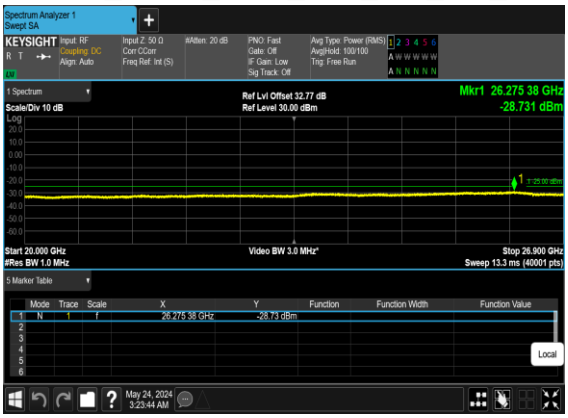
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



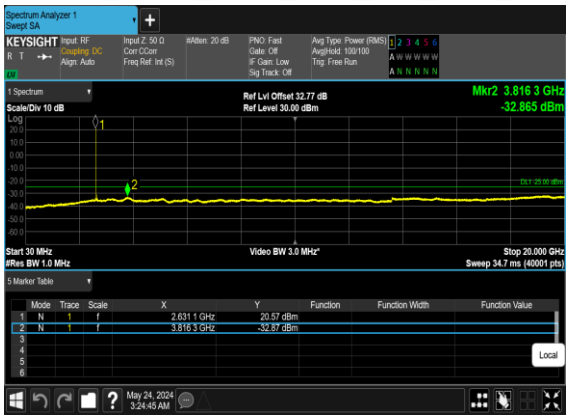
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



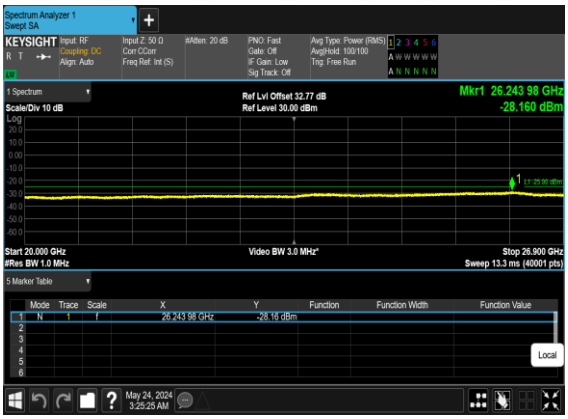
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



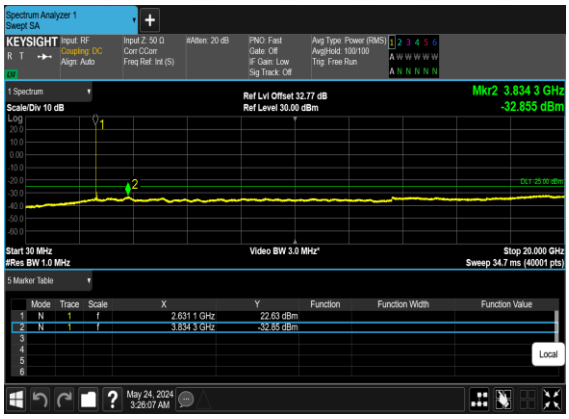
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



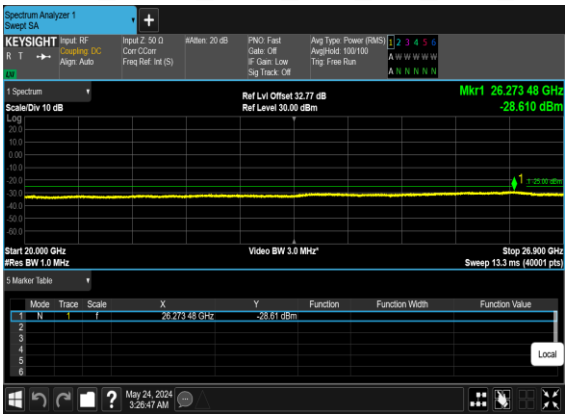
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



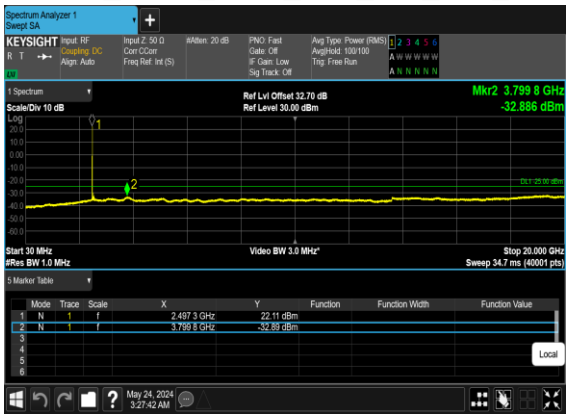
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



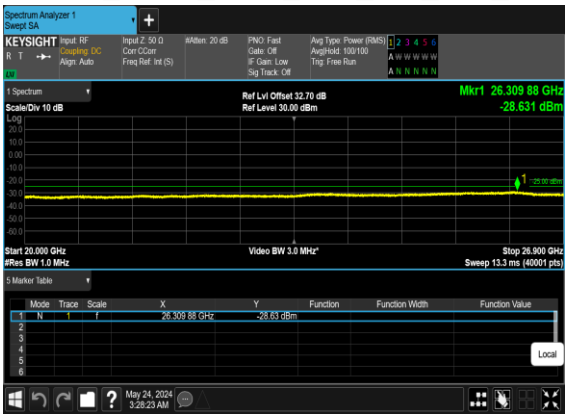
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



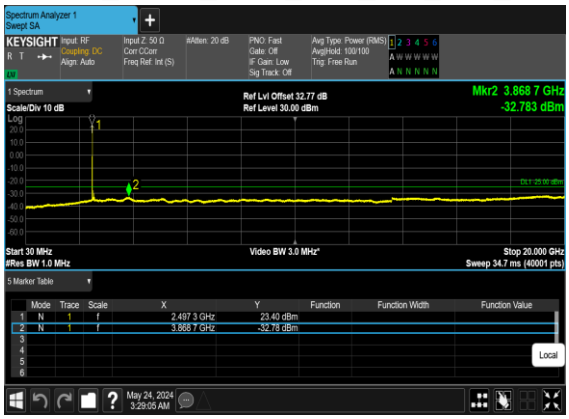
N41(80M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



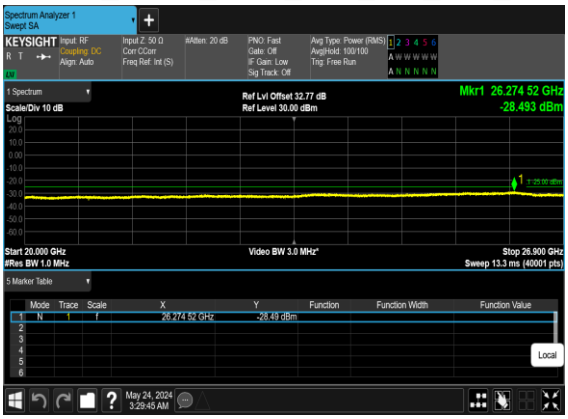
N41(80M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



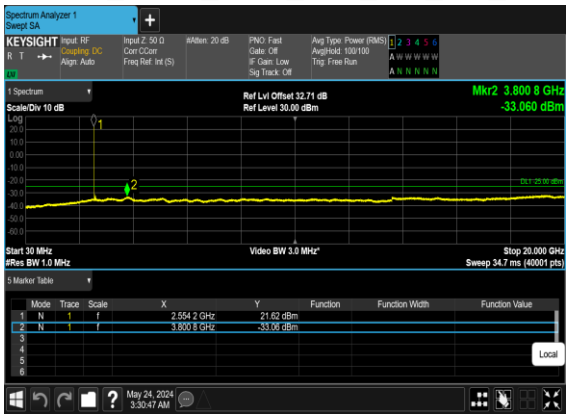
N41(80M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



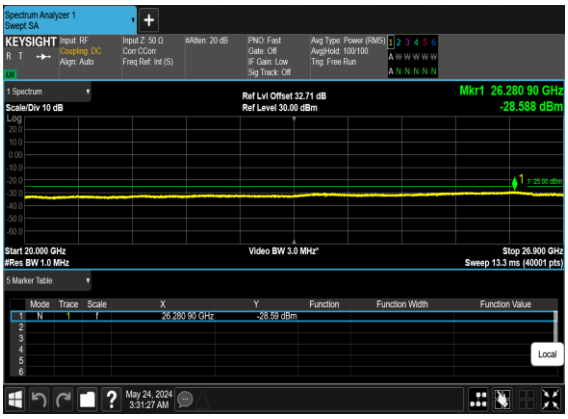
N41(80M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



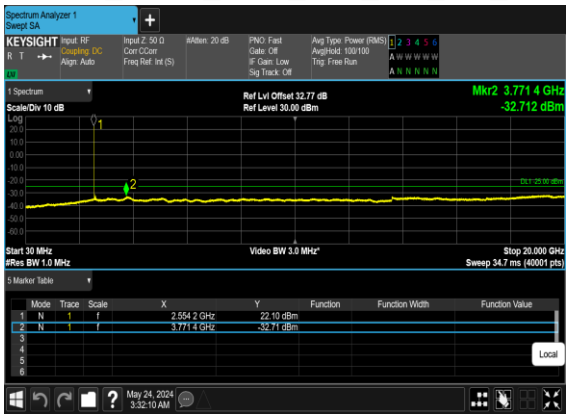
N41(80M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



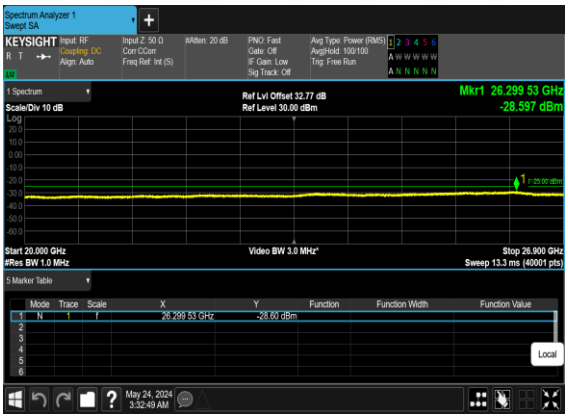
N41(80M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



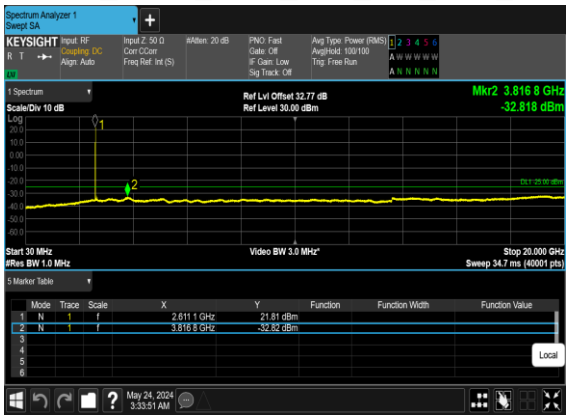
N41(80M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



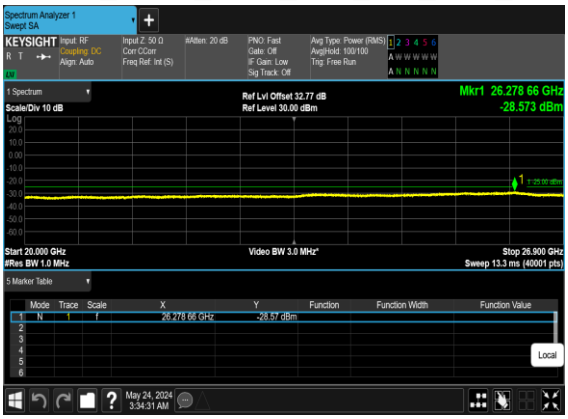
N41(80M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



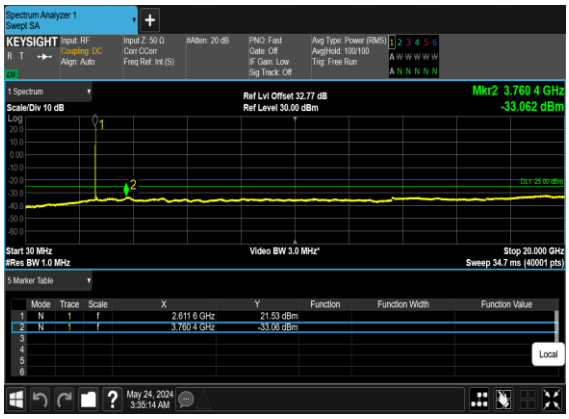
N41(80M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



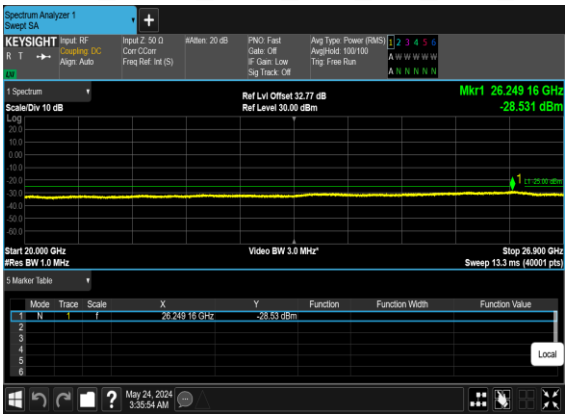
N41(80M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



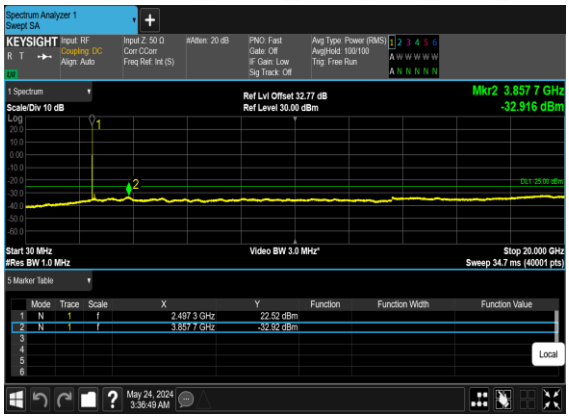
N41(80M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



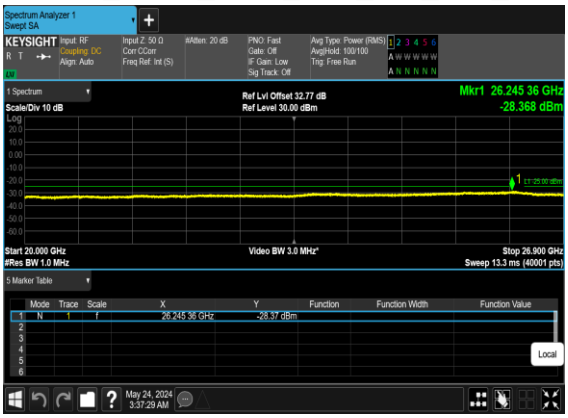
N41(80M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



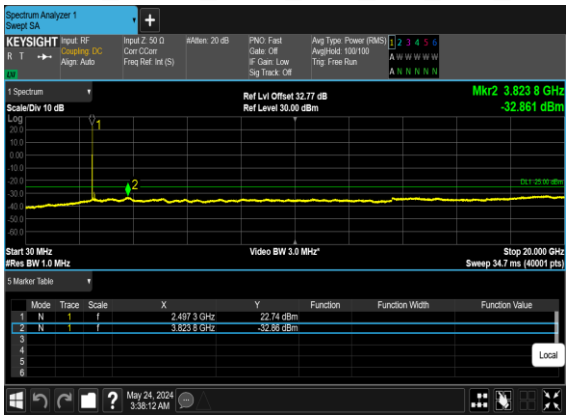
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



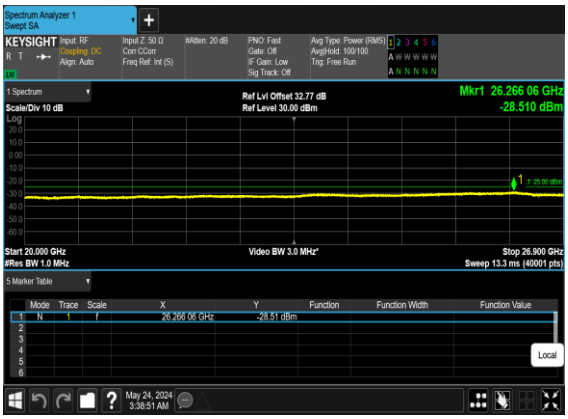
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



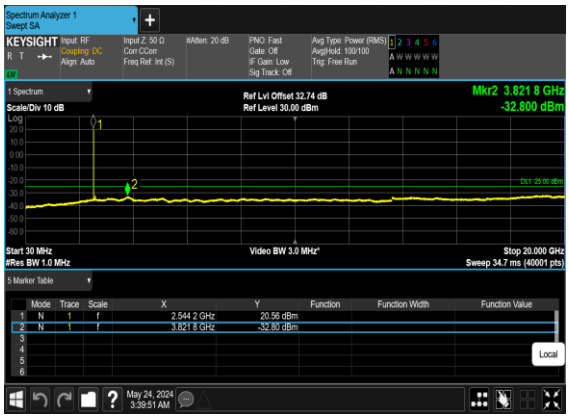
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



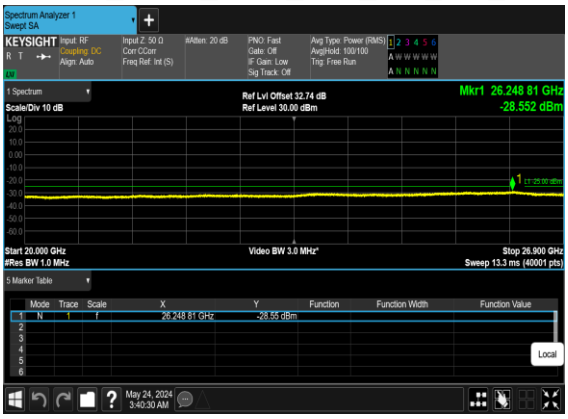
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



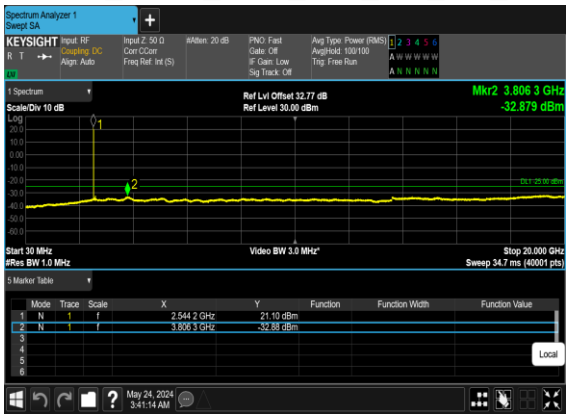
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



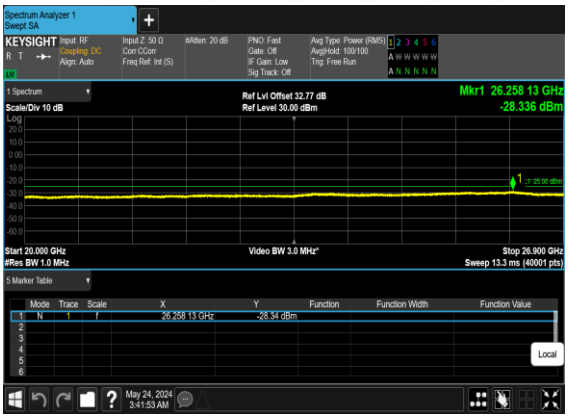
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



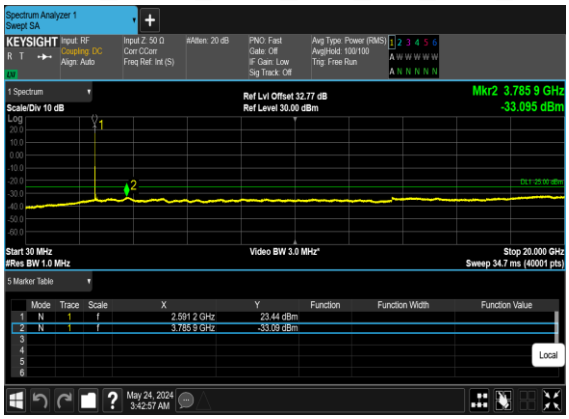
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



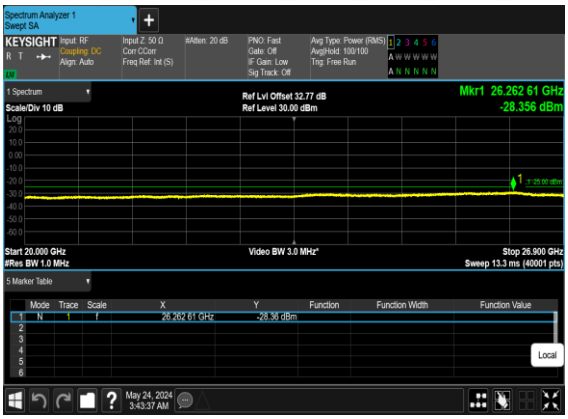
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



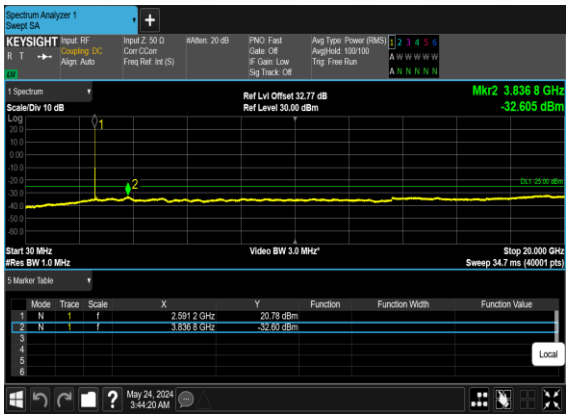
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



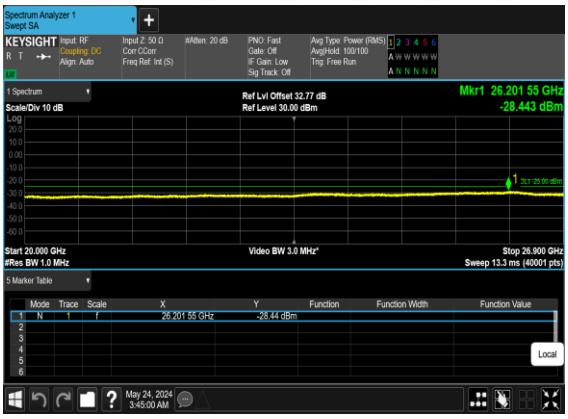
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



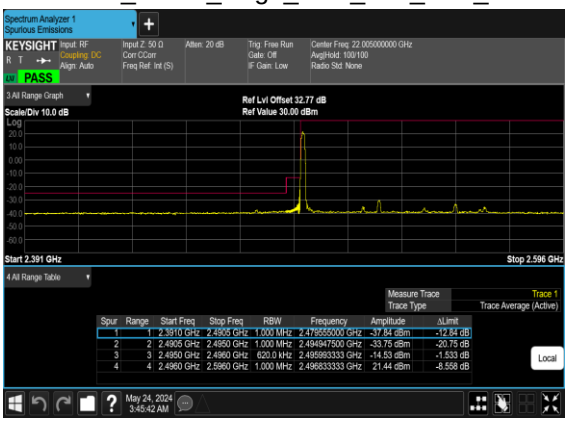
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



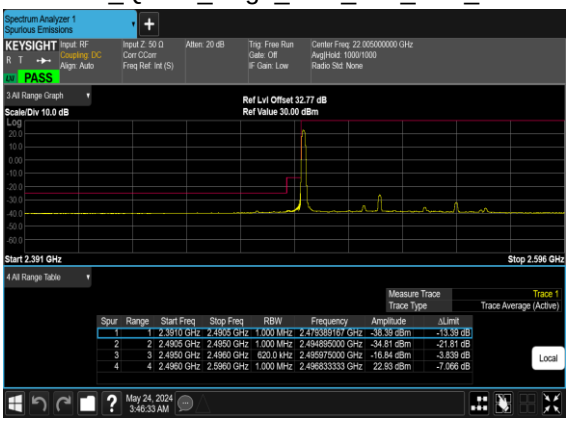
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	60	505200	2526.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	60	505200	2526.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	60	505200	2526.0	DFT-s-OFDM BPSK	162@0	see graph	**PASS**
41	30	60	505200	2526.0	DFT-s-OFDM QPSK	162@0	see graph	**PASS**
41	30	60	531996	2659.98	DFT-s-OFDM BPSK	1@161	see graph	**PASS**
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	1@161	see graph	**PASS**
41	30	60	531996	2659.98	DFT-s-OFDM BPSK	162@0	see graph	**PASS**
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	162@0	see graph	**PASS**
41	30	80	507204	2536.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	80	507204	2536.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	80	507204	2536.02	DFT-s-OFDM BPSK	216@0	see graph	**PASS**
41	30	80	507204	2536.02	DFT-s-OFDM QPSK	216@0	see graph	**PASS**
41	30	80	529998	2649.99	DFT-s-OFDM BPSK	1@216	see graph	**PASS**
41	30	80	529998	2649.99	DFT-s-OFDM QPSK	1@216	see graph	**PASS**
41	30	80	529998	2649.99	DFT-s-OFDM BPSK	216@0	see graph	**PASS**
41	30	80	529998	2649.99	DFT-s-OFDM QPSK	216@0	see graph	**PASS**
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	270@0	see graph	**PASS**
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@272	see graph	**PASS**
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@272	see graph	**PASS**
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	270@0	see graph	**PASS**

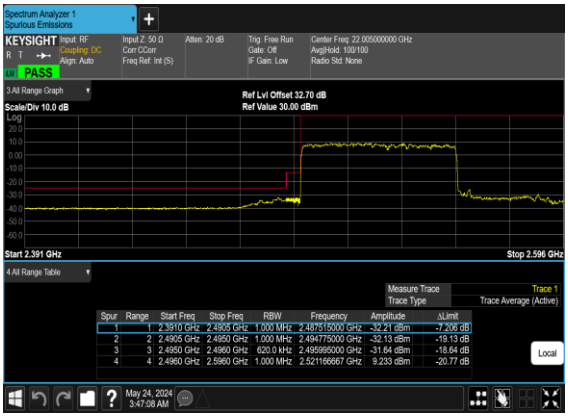
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



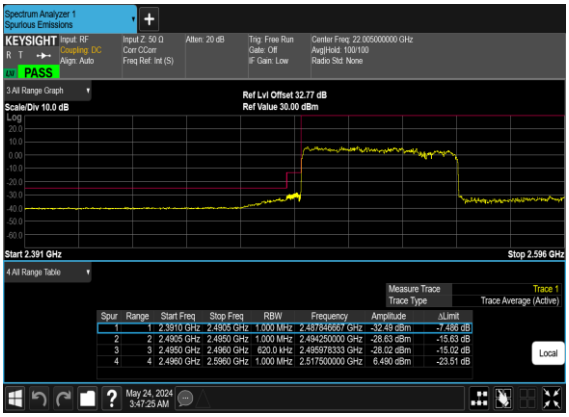
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



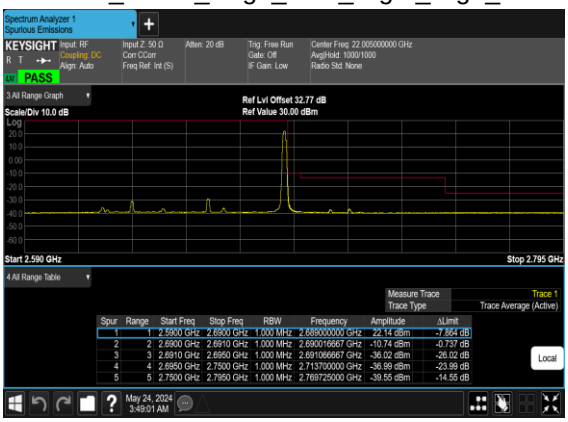
N41(60M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



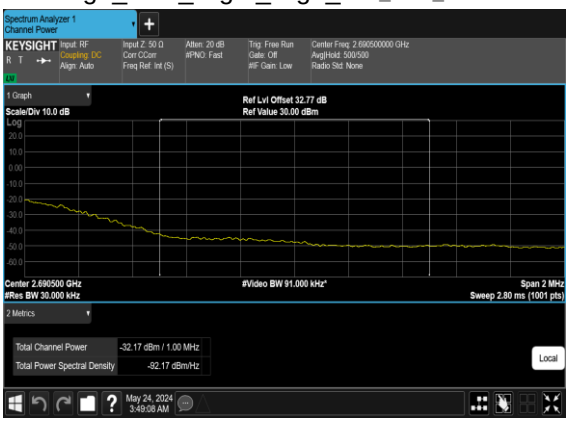
N41(60M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



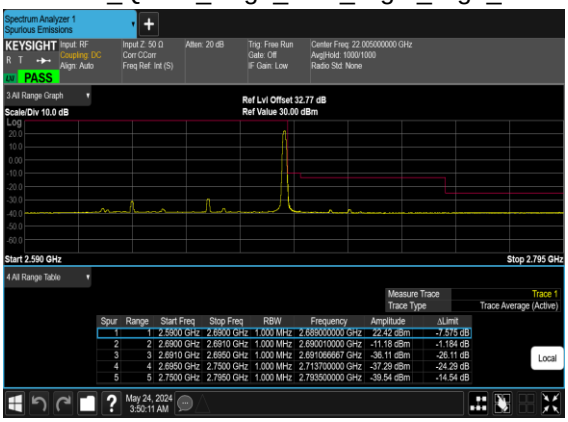
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



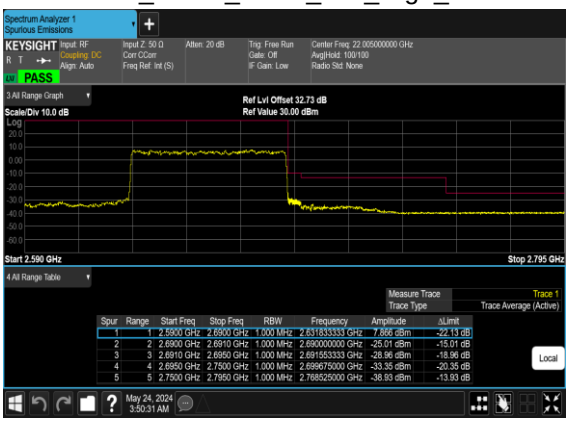
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_**CHP_PASS**



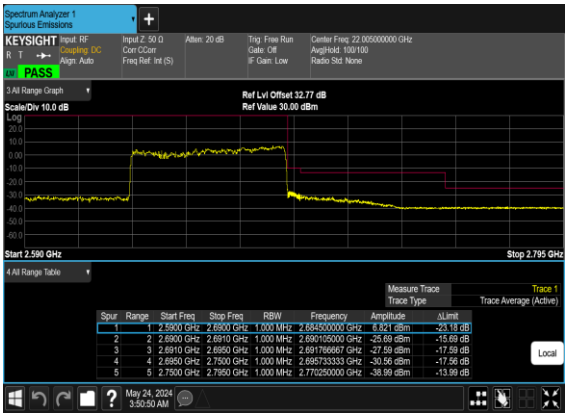
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N41(60M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



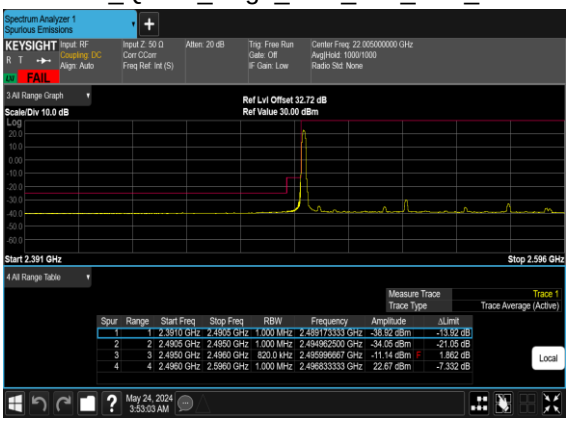
N41(60M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



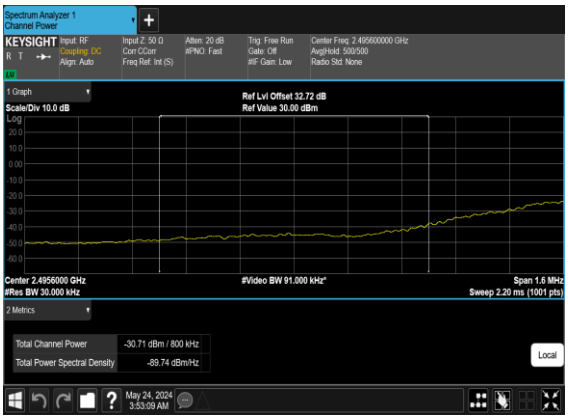
N41(80M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

N41(80M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**

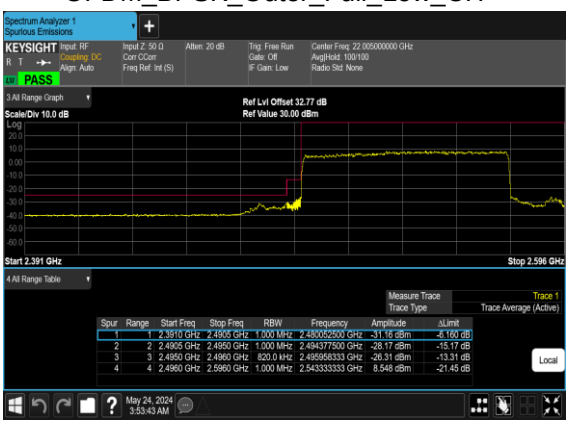
N41(80M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



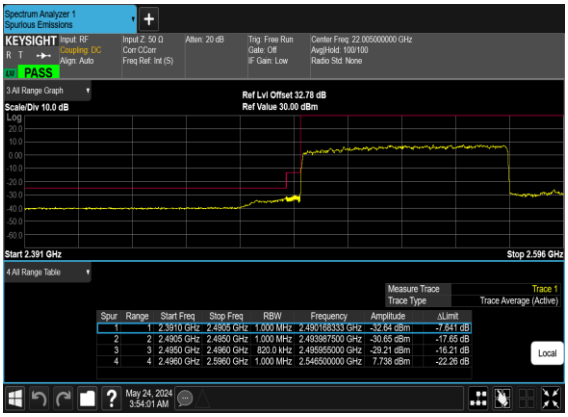
N41(80M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**



N41(80M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

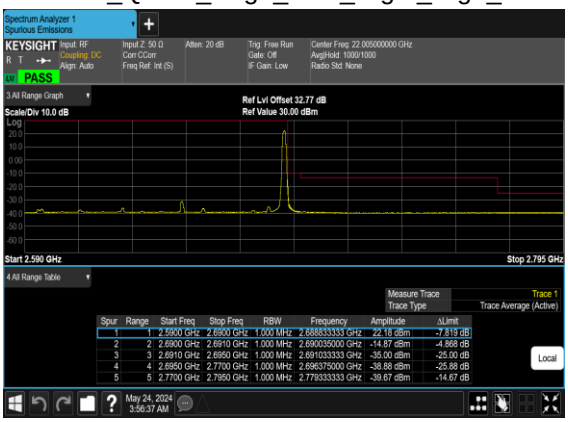


N41(80M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

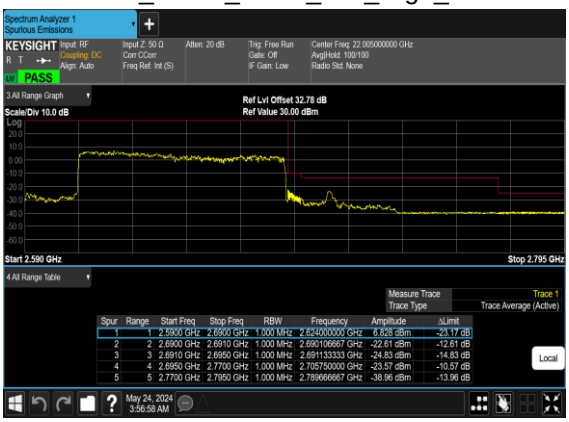


N41(80M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

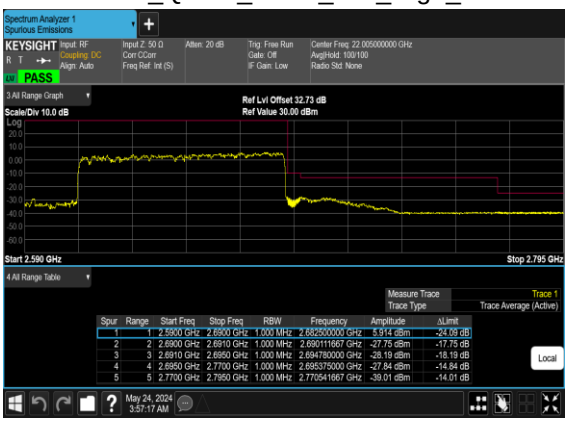
N41(80M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



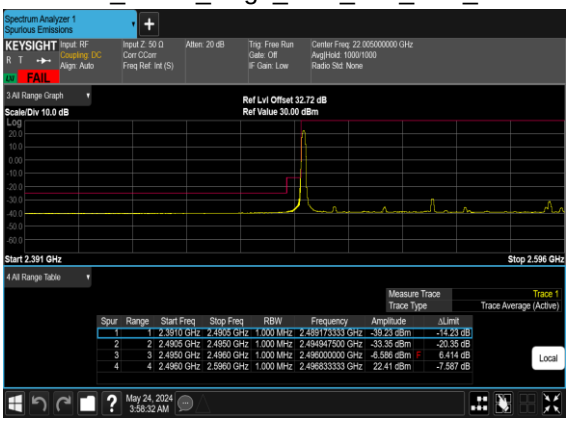
N41(80M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



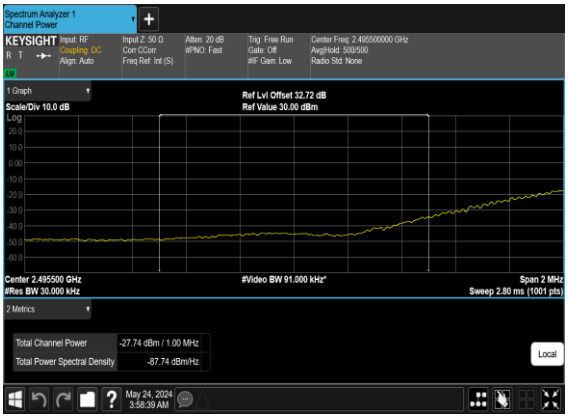
N41(80M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



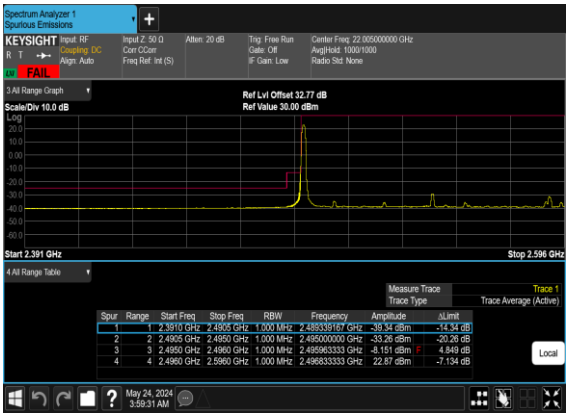
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



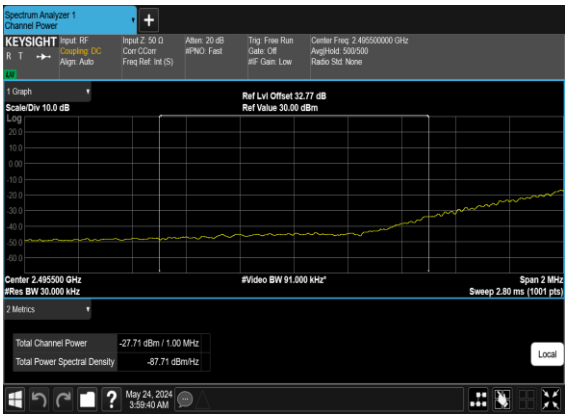
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**



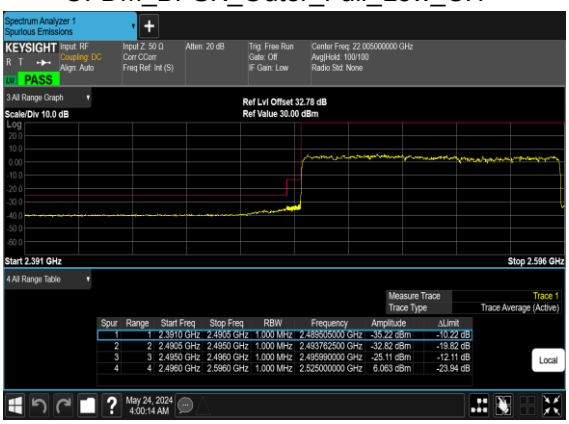
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



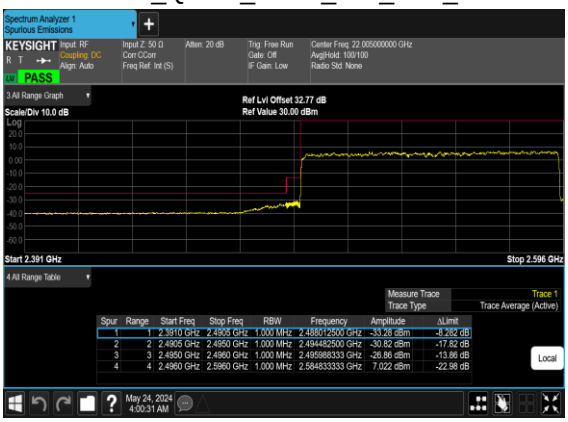
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**



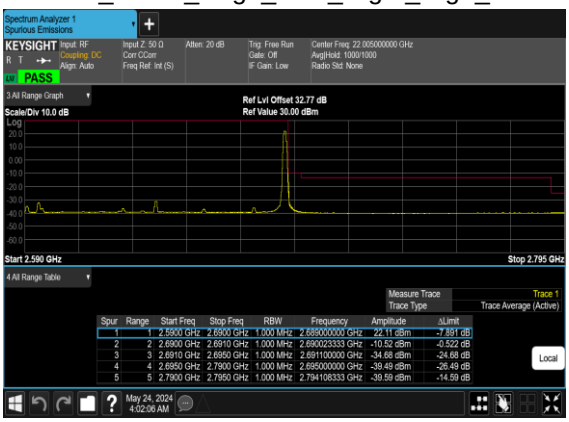
N41(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



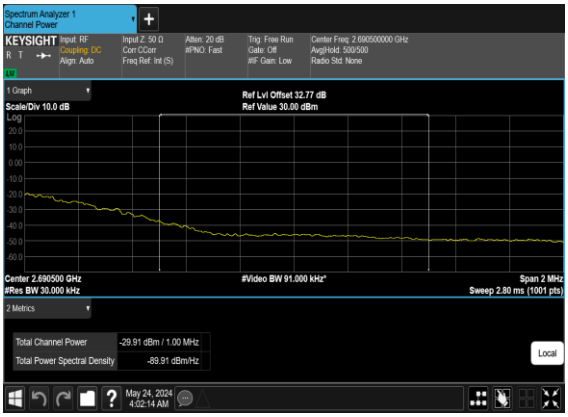
N41(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



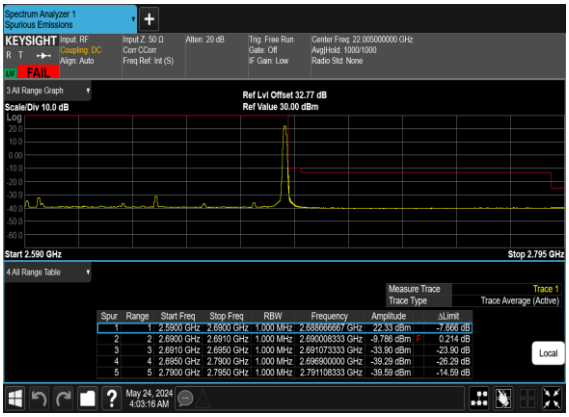
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



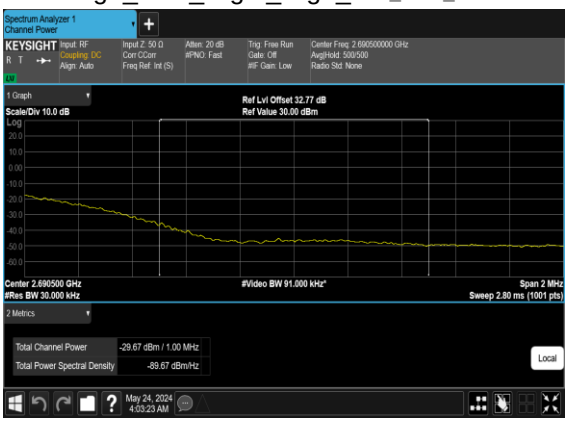
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_PASS



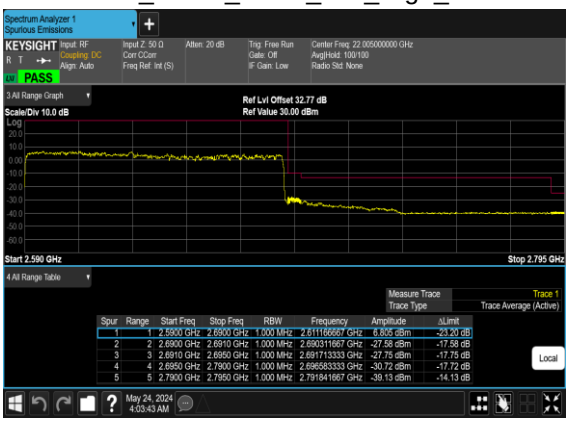
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



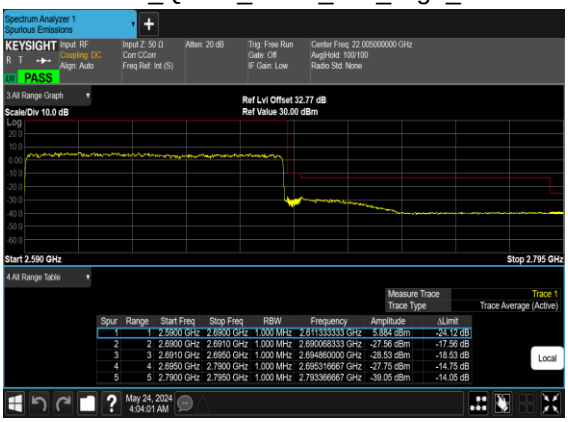
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PASS



N41(100M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N41(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Qingsheng He	Temperature :	22~25℃
		Relative Humidity :	48~52%

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

n7 SA / NR 50MHz / QPSK(ANT4)									
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)
Middle	4974.00	-62.62	-25	-37.62	-80.05	-68.18	7.14	12.70	H
	7461.00	-56.11	-25	-31.11	-78.61	-59.41	8.30	11.60	H
	9948.00	-52.02	-25	-27.02	-79.11	-53.54	10.48	12.00	H
	4974.00	-62.35	-25	-37.35	-79.72	-67.91	7.14	12.70	V
	7461.00	-56.26	-25	-31.26	-78.72	-59.56	8.30	11.60	V
	9948.00	-52.49	-25	-27.49	-79.03	-54.01	10.48	12.00	V

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

EN-DC_66A_n7A / LTE 10MHz + NR 50MHz / QPSK (ANT5+4)									
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 n7 Middle	4974.00	-63.72	-25	-38.72	-81.15	-69.28	7.14	12.70	H
	7461.00	-56.58	-25	-31.58	-79.08	-59.88	8.30	11.60	H
	9948.00	-51.61	-25	-26.61	-78.70	-53.13	10.48	12.00	H
	4974.00	-63.21	-25	-38.21	-80.58	-68.77	7.14	12.70	V
	7461.00	-56.01	-25	-31.01	-78.47	-59.31	8.30	11.60	V
	9948.00	-52.95	-25	-27.95	-79.49	-54.47	10.48	12.00	V
LTE Band66 Middle	3481	-64.80	-13	-51.80	-77.72	-71.65	5.65	12.50	H
	5221.5	-63.86	-13	-50.86	-81.16	-69.53	7.13	12.80	H
	6960	-59.41	-13	-46.41	-80.40	-62.81	8.40	11.80	H
	3481	-64.09	-13	-51.09	-77.55	-70.94	5.65	12.50	V
	5221.5	-63.21	-13	-50.21	-80.46	-68.88	7.13	12.80	V
	6960	-58.62	-13	-45.62	-79.7	-62.02	8.40	11.80	V

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

n12 SA / NR 15MHz / QPSK(ANT0)									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1401.08	-64.43	-13	-51.43	-72.57	-67.68	4.00	9.40	H
	2101.6	-65.64	-13	-52.64	-75.28	-69.21	4.88	10.60	H
	2802.16	-64.03	-13	-51.03	-76.03	-68.96	5.52	12.60	H
	1401.08	-64.78	-13	-51.78	-72.99	-68.03	4.00	9.40	V
	2101.6	-65.08	-13	-52.08	-75.09	-68.65	4.88	10.60	V
	2802.16	-63.45	-13	-50.45	-75.68	-68.38	5.52	12.60	V

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

n41 SA / NR 100MHz / QPSK(ANT4)									
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)
Middle	5089.00	-62.44	-25	-37.44	-79.89	-68.00	7.14	12.70	H
	7633.50	-56.20	-25	-31.20	-78.46	-59.50	8.30	11.60	H
	10178.00	-52.19	-25	-27.19	-79.25	-53.71	10.48	12.00	H
	5089.00	-62.20	-25	-37.20	-79.58	-67.76	7.14	12.70	V
	7633.50	-56.33	-25	-31.33	-78.4	-59.63	8.30	11.60	V
	10178.00	-52.70	-25	-27.70	-79.35	-54.22	10.48	12.00	V

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

EN-DC_66A_n41A / LTE 10MHz + NR 100MHz / QPSK (ANT5+4)									
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 n41 Middle	5089.00	-62.85	-25	-37.85	-80.30	-68.41	7.14	12.70	H
	7633.50	-56.09	-25	-31.09	-78.35	-59.39	8.30	11.60	H
	10178.00	-51.33	-25	-26.33	-78.39	-52.85	10.48	12.00	H
	5089.00	-63.03	-25	-38.03	-80.4	-68.59	7.14	12.70	V
	7633.50	-56.34	-25	-31.34	-78.41	-59.64	8.30	11.60	V
	10178.00	-52.16	-25	-27.16	-78.81	-53.68	10.48	12.00	V
LTE Band66 Middle	3481	-64.78	-13	-51.78	-77.70	-71.63	5.65	12.50	H
	5221.5	-63.23	-13	-50.23	-80.53	-68.90	7.13	12.80	H
	6962	-58.22	-13	-45.22	-79.22	-61.62	8.40	11.80	H
	3481	-64.15	-13	-51.15	-77.61	-71.00	5.65	12.50	V
	5221.5	-63.38	-13	-50.38	-80.63	-69.05	7.13	12.80	V
	6962	-58.04	-13	-45.04	-79.14	-61.44	8.40	11.80	V

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