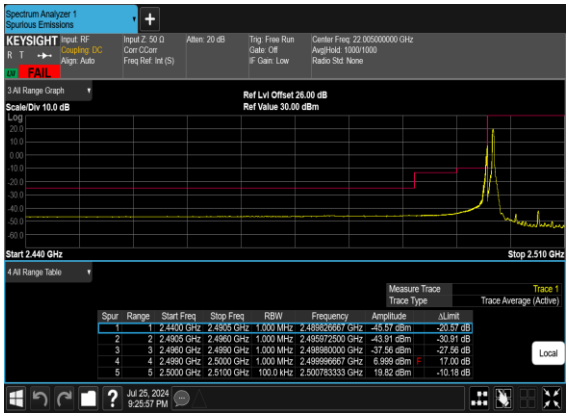
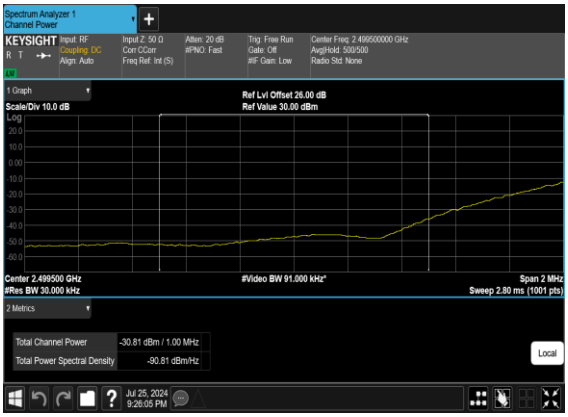
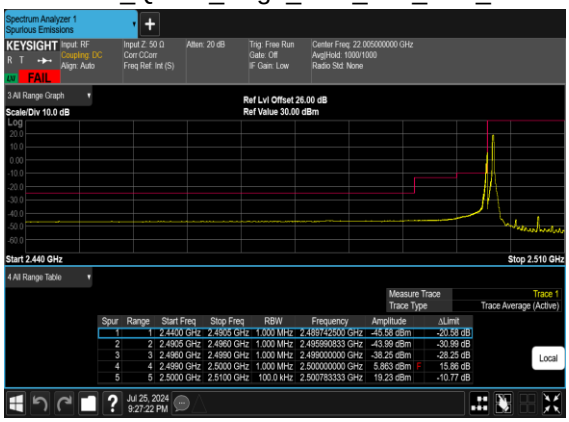
B66_N7(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



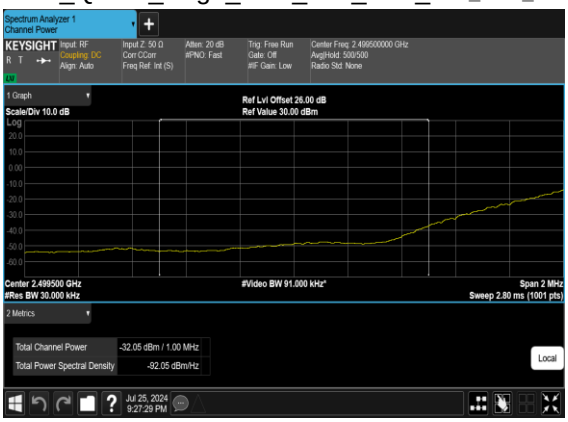
B66_N7(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**



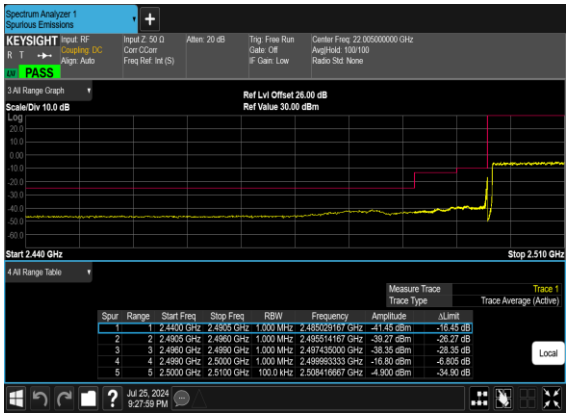
B66_N7(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



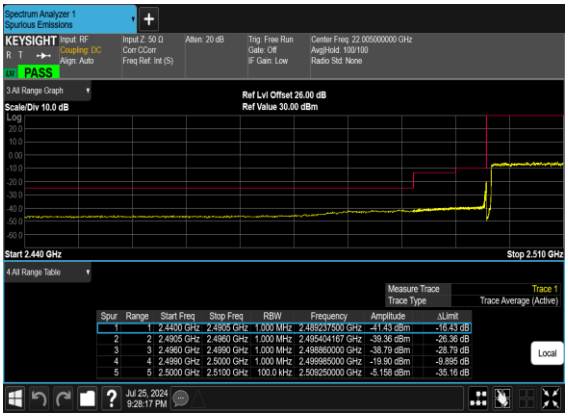
B66_N7(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**



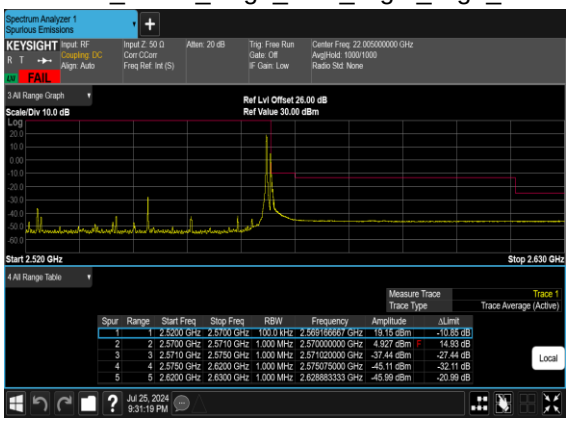
B66_N7(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



B66_N7(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

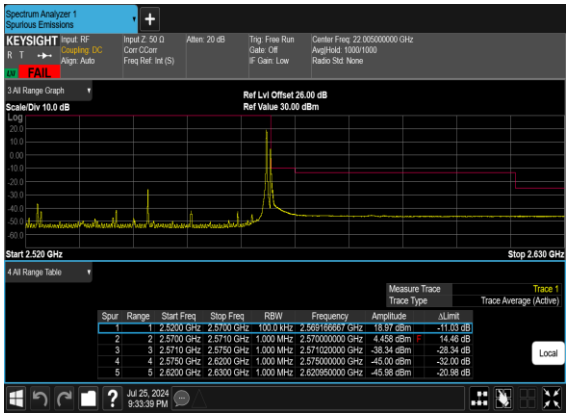


B66_N7(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

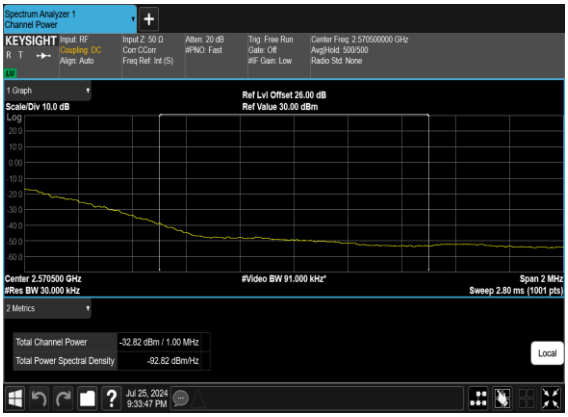


B66_N7(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_**CHP_PASS**

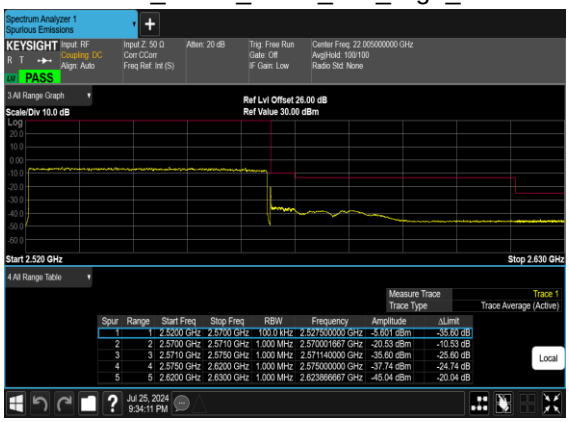
B66_N7(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



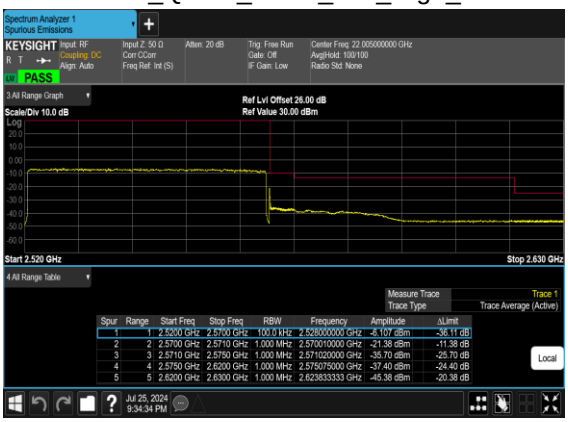
B66_N7(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_**CHP_PASS**



B66_N7(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



B66_N7(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Note: “CHP” means channel power integrated method.

Software Version: 23.06.1602

FR1 N38-SCS 30k (Main PA_ANT 1)

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=-2.46dBi

NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
38	30	40	518000	2590	DFT-s-OFDM PI/2 BPSK	50@25	23.14	20.68	0.1169
38	30	40	518000	2590	DFT-s-OFDM PI/2 BPSK	1@1	22.86	20.4	0.1096
38	30	40	518000	2590	DFT-s-OFDM PI/2 BPSK	1@104	23.12	20.66	0.1164
38	30	40	518000	2590	DFT-s-OFDM QPSK	50@25	23.11	20.65	0.1161
38	30	40	518000	2590	DFT-s-OFDM QPSK	1@1	22.91	20.45	0.1109
38	30	40	518000	2590	DFT-s-OFDM QPSK	1@104	23.16	20.7	0.1175
38	30	40	518000	2590	DFT-s-OFDM 16 QAM	50@25	22.14	19.68	0.0929
38	30	40	518000	2590	DFT-s-OFDM 16 QAM	1@1	21.94	19.48	0.0887
38	30	40	518000	2590	DFT-s-OFDM 16 QAM	1@104	22.13	19.67	0.0927
38	30	40	518000	2590	DFT-s-OFDM 64 QAM	50@25	20.67	18.21	0.0662
38	30	40	518000	2590	DFT-s-OFDM 64 QAM	1@1	20.57	18.11	0.0647
38	30	40	518000	2590	DFT-s-OFDM 64 QAM	1@104	20.88	18.42	0.0695
38	30	40	518000	2590	DFT-s-OFDM 256 QAM	50@25	18.65	16.19	0.0416
38	30	40	518000	2590	DFT-s-OFDM 256 QAM	1@1	18.44	15.98	0.0396
38	30	40	518000	2590	DFT-s-OFDM 256 QAM	1@104	18.63	16.17	0.0414
38	30	40	518000	2590	CP-OFDM QPSK	53@26	21.59	19.13	0.0818
38	30	40	518000	2590	CP-OFDM QPSK	1@1	21.42	18.96	0.0787
38	30	40	518000	2590	CP-OFDM QPSK	1@104	21.64	19.18	0.0828
38	30	40	519000	2595	DFT-s-OFDM PI/2 BPSK	50@25	23.1	20.64	0.1159
38	30	40	519000	2595	DFT-s-OFDM PI/2 BPSK	1@1	22.91	20.45	0.1109
38	30	40	519000	2595	DFT-s-OFDM PI/2 BPSK	1@104	23.11	20.65	0.1161
38	30	40	519000	2595	DFT-s-OFDM QPSK	50@25	23.08	20.62	0.1153
38	30	40	519000	2595	DFT-s-OFDM QPSK	1@1	22.93	20.47	0.1114
38	30	40	519000	2595	DFT-s-OFDM QPSK	1@104	23.16	20.7	0.1175
38	30	40	519000	2595	DFT-s-OFDM 16 QAM	50@25	22.12	19.66	0.0925
38	30	40	519000	2595	DFT-s-OFDM 16 QAM	1@1	21.99	19.53	0.0897

38	30	40	519000	2595	DFT-s-OFDM 16 QAM	1@104	22.18	19.72	0.0938
38	30	40	519000	2595	DFT-s-OFDM 64 QAM	50@25	20.64	18.18	0.0658
38	30	40	519000	2595	DFT-s-OFDM 64 QAM	1@1	20.67	18.21	0.0662
38	30	40	519000	2595	DFT-s-OFDM 64 QAM	1@104	20.86	18.4	0.0692
38	30	40	519000	2595	DFT-s-OFDM 256 QAM	50@25	18.64	16.18	0.0415
38	30	40	519000	2595	DFT-s-OFDM 256 QAM	1@1	18.43	15.97	0.0395
38	30	40	519000	2595	DFT-s-OFDM 256 QAM	1@104	18.66	16.2	0.0417
38	30	40	519000	2595	CP-OFDM QPSK	53@26	21.52	19.06	0.0805
38	30	40	519000	2595	CP-OFDM QPSK	1@1	21.45	18.99	0.0793
38	30	40	519000	2595	CP-OFDM QPSK	1@104	21.68	19.22	0.0836
38	30	40	520000	2600	DFT-s-OFDM PI/2 BPSK	50@25	23.11	20.65	0.1161
38	30	40	520000	2600	DFT-s-OFDM PI/2 BPSK	1@1	23.03	20.57	0.1140
38	30	40	520000	2600	DFT-s-OFDM PI/2 BPSK	1@104	23.14	20.68	0.1169
38	30	40	520000	2600	DFT-s-OFDM QPSK	50@25	23.06	20.6	0.1148
38	30	40	520000	2600	DFT-s-OFDM QPSK	1@1	23.06	20.6	0.1148
38	30	40	520000	2600	DFT-s-OFDM QPSK	1@104	23.18	20.72	0.1180
38	30	40	520000	2600	DFT-s-OFDM 16 QAM	50@25	22.1	19.64	0.0920
38	30	40	520000	2600	DFT-s-OFDM 16 QAM	1@1	22.07	19.61	0.0914
38	30	40	520000	2600	DFT-s-OFDM 16 QAM	1@104	22.25	19.79	0.0953
38	30	40	520000	2600	DFT-s-OFDM 64 QAM	50@25	20.62	18.16	0.0655
38	30	40	520000	2600	DFT-s-OFDM 64 QAM	1@1	20.81	18.35	0.0684
38	30	40	520000	2600	DFT-s-OFDM 64 QAM	1@104	20.94	18.48	0.0705
38	30	40	520000	2600	DFT-s-OFDM 256 QAM	50@25	18.63	16.17	0.0414
38	30	40	520000	2600	DFT-s-OFDM 256 QAM	1@1	18.55	16.09	0.0406
38	30	40	520000	2600	DFT-s-OFDM 256 QAM	1@104	18.75	16.29	0.0426
38	30	40	520000	2600	CP-OFDM QPSK	53@26	21.5	19.04	0.0802
38	30	40	520000	2600	CP-OFDM QPSK	1@1	21.55	19.09	0.0811
38	30	40	520000	2600	CP-OFDM QPSK	1@104	21.69	19.23	0.0838
38	30	10	515000	2575	DFT-s-OFDM PI/2 BPSK	1@1	22.94	20.48	0.1117
38	30	10	515000	2575	DFT-s-OFDM QPSK	1@1	22.97	20.51	0.1125
38	30	10	515000	2575	DFT-s-OFDM 16 QAM	1@1	21.92	19.46	0.0883
38	30	10	519000	2595	DFT-s-OFDM PI/2 BPSK	1@1	22.99	20.53	0.1130
38	30	10	519000	2595	DFT-s-OFDM QPSK	1@1	23.04	20.58	0.1143

38	30	10	519000	2595	DFT-s-OFDM 16 QAM	1@1	21.97	19.51	0.0893
38	30	10	523000	2615	DFT-s-OFDM PI/2 BPSK	1@1	22.9	20.44	0.1107
38	30	10	523000	2615	DFT-s-OFDM QPSK	1@1	22.99	20.53	0.1130
38	30	10	523000	2615	DFT-s-OFDM 16 QAM	1@1	22.02	19.56	0.0904
38	30	15	515500	2577.5	DFT-s-OFDM PI/2 BPSK	1@1	22.87	20.41	0.1099
38	30	15	515500	2577.5	DFT-s-OFDM QPSK	1@1	22.96	20.5	0.1122
38	30	15	515500	2577.5	DFT-s-OFDM 16 QAM	1@1	21.97	19.51	0.0893
38	30	15	519000	2595	DFT-s-OFDM PI/2 BPSK	1@1	22.96	20.5	0.1122
38	30	15	519000	2595	DFT-s-OFDM QPSK	1@1	23.05	20.59	0.1146
38	30	15	519000	2595	DFT-s-OFDM 16 QAM	1@1	22.03	19.57	0.0906
38	30	15	522500	2612.5	DFT-s-OFDM PI/2 BPSK	1@1	22.93	20.47	0.1114
38	30	15	522500	2612.5	DFT-s-OFDM QPSK	1@1	22.88	20.42	0.1102
38	30	15	522500	2612.5	DFT-s-OFDM 16 QAM	1@1	21.98	19.52	0.0895
38	30	20	516000	2580	DFT-s-OFDM PI/2 BPSK	1@1	22.86	20.4	0.1096
38	30	20	516000	2580	DFT-s-OFDM QPSK	1@1	22.94	20.48	0.1117
38	30	20	516000	2580	DFT-s-OFDM 16 QAM	1@1	21.95	19.49	0.0889
38	30	20	519000	2595	DFT-s-OFDM PI/2 BPSK	1@1	22.95	20.49	0.1119
38	30	20	519000	2595	DFT-s-OFDM QPSK	1@1	22.98	20.52	0.1127
38	30	20	519000	2595	DFT-s-OFDM 16 QAM	1@1	22.01	19.55	0.0902
38	30	20	522000	2610	DFT-s-OFDM PI/2 BPSK	1@1	22.96	20.5	0.1122
38	30	20	522000	2610	DFT-s-OFDM QPSK	1@1	22.96	20.5	0.1122
38	30	20	522000	2610	DFT-s-OFDM 16 QAM	1@1	21.98	19.52	0.0895
38	30	25	516500	2582.5	DFT-s-OFDM PI/2 BPSK	1@1	22.87	20.41	0.1099
38	30	25	516500	2582.5	DFT-s-OFDM QPSK	1@1	22.88	20.42	0.1102
38	30	25	516500	2582.5	DFT-s-OFDM 16 QAM	1@1	21.92	19.46	0.0883
38	30	25	519000	2595	DFT-s-OFDM PI/2 BPSK	1@1	23.04	20.58	0.1143
38	30	25	519000	2595	DFT-s-OFDM QPSK	1@1	23.07	20.61	0.1151
38	30	25	519000	2595	DFT-s-OFDM 16 QAM	1@1	22.11	19.65	0.0923
38	30	25	521500	2607.5	DFT-s-OFDM PI/2 BPSK	1@1	23.04	20.58	0.1143
38	30	25	521500	2607.5	DFT-s-OFDM QPSK	1@1	23.08	20.62	0.1153
38	30	25	521500	2607.5	DFT-s-OFDM 16 QAM	1@1	22.05	19.59	0.0910

38	30	30	517000	2585	DFT-s-OFDM PI/2 BPSK	1@1	22.87	20.41	0.1099
38	30	30	517000	2585	DFT-s-OFDM QPSK	1@1	22.93	20.47	0.1114
38	30	30	517000	2585	DFT-s-OFDM 16 QAM	1@1	21.95	19.49	0.0889
38	30	30	519000	2595	DFT-s-OFDM PI/2 BPSK	1@1	23.03	20.57	0.1140
38	30	30	519000	2595	DFT-s-OFDM QPSK	1@1	23.08	20.62	0.1153
38	30	30	519000	2595	DFT-s-OFDM 16 QAM	1@1	22.06	19.6	0.0912
38	30	30	521000	2605	DFT-s-OFDM PI/2 BPSK	1@1	22.94	20.48	0.1117
38	30	30	521000	2605	DFT-s-OFDM QPSK	1@1	23	20.54	0.1132
38	30	30	521000	2605	DFT-s-OFDM 16 QAM	1@1	21.98	19.52	0.0895

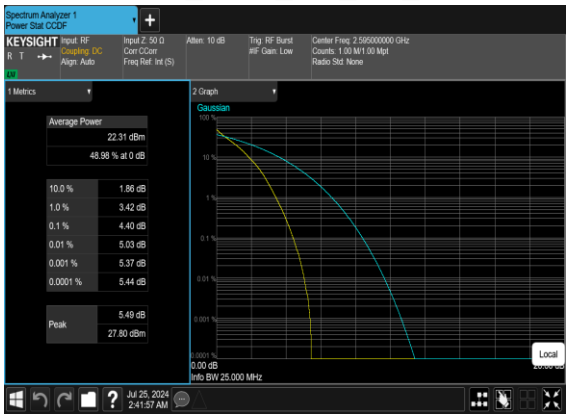
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	64@0	-0.0062	**PASS**	NV
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	64@0	-0.0041	**PASS**	LV
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	64@0	0.0059	**PASS**	HV
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	64@0	0.0034	**PASS**	-30℃
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	64@0	-0.0037	**PASS**	-20℃
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	64@0	0.0058	**PASS**	-10℃
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	64@0	0.0055	**PASS**	0℃
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	64@0	-0.0041	**PASS**	10℃
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	64@0	-0.0038	**PASS**	20℃
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	64@0	-0.0044	**PASS**	30℃
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	64@0	-0.0024	**PASS**	40℃
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	64@0	0.0042	**PASS**	50℃

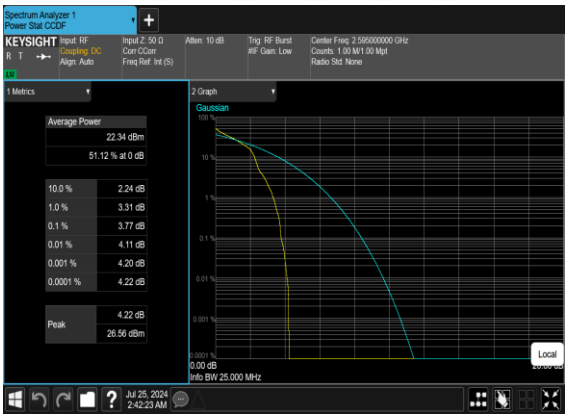
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
38	30	25	519000	2595.0	DFT-s-OFDM PI/2 BPSK	64@0	4.4	13	**PASS**
38	30	25	519000	2595.0	DFT-s-OFDM PI/2 BPSK	1@0	3.77	13	**PASS**
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	64@0	5.47	13	**PASS**
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	1@0	4.9	13	**PASS**

N38(25M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N38(25M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



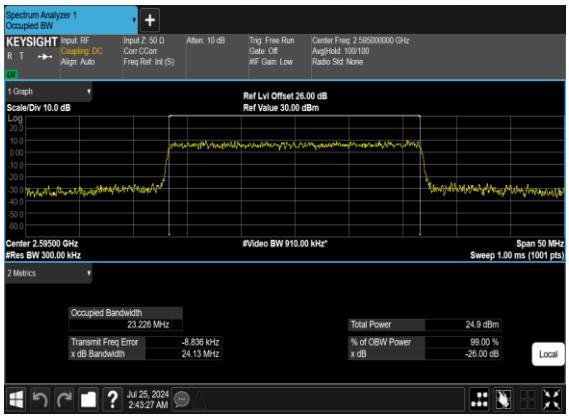
N38(25M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

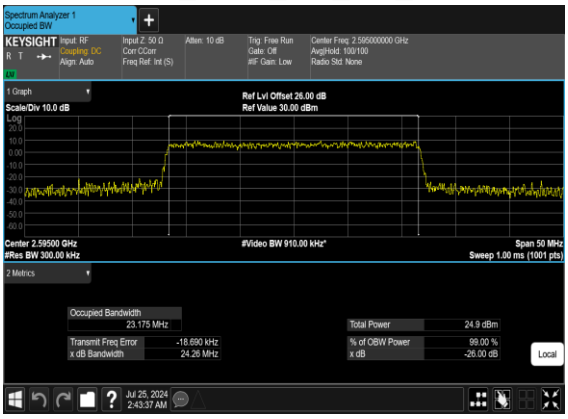
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
38	30	25	519000	2595.0	CP-OFDM QPSK	65@0	23.226	24.13
38	30	25	519000	2595.0	CP-OFDM 16 QAM	65@0	23.175	24.26
38	30	25	519000	2595.0	CP-OFDM 64 QAM	65@0	23.261	24.07
38	30	25	519000	2595.0	CP-OFDM 256 QAM	65@0	23.198	24.21

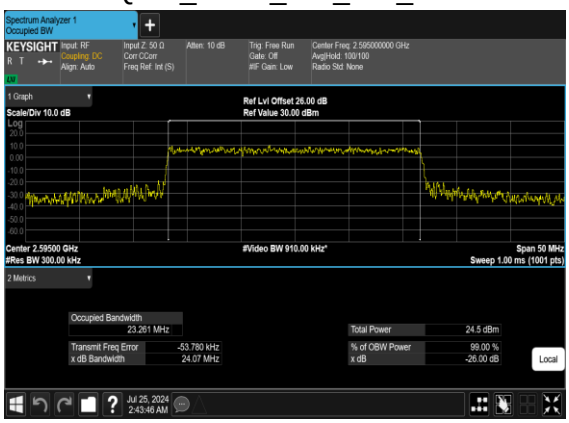
N38(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



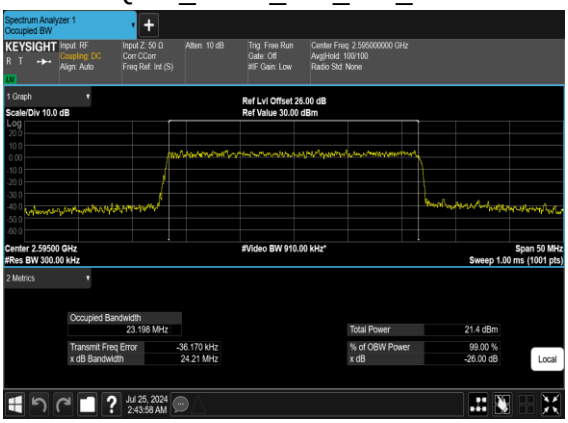
N38(25M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N38(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



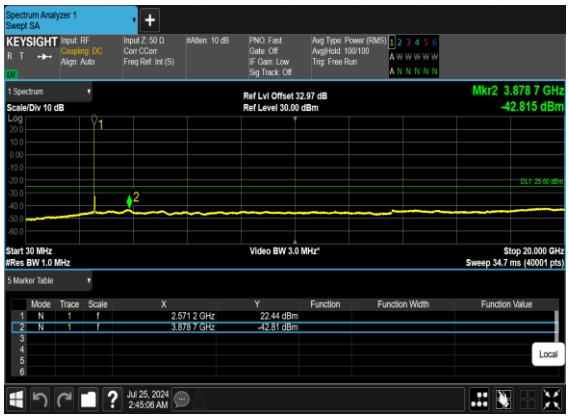
N38(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



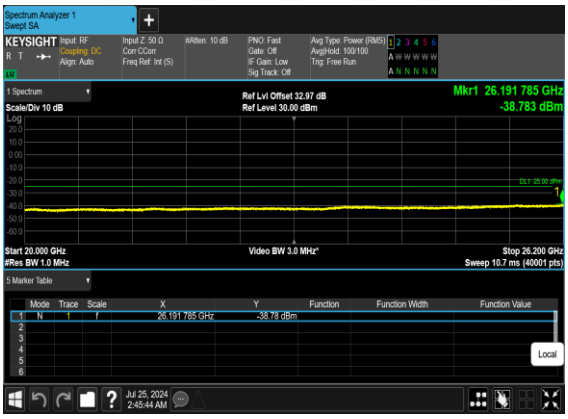
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
38	30	25	516500	2582.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
38	30	25	516500	2582.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	30	25	516500	2582.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	30	25	516500	2582.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
38	30	25	516500	2582.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	30	25	516500	2582.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	30	25	519000	2595.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
38	30	25	519000	2595.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	30	25	519000	2595.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	30	25	521500	2607.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
38	30	25	521500	2607.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	30	25	521500	2607.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	30	25	521500	2607.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
38	30	25	521500	2607.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	30	25	521500	2607.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

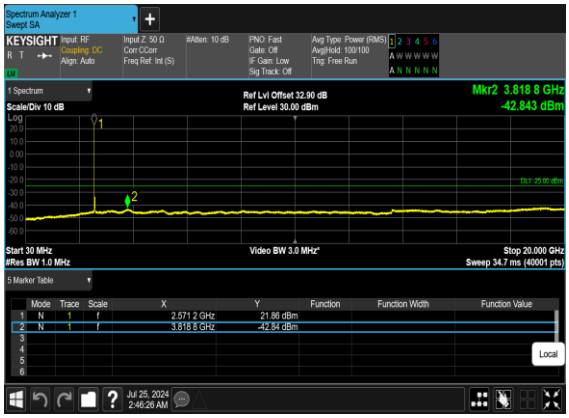
N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



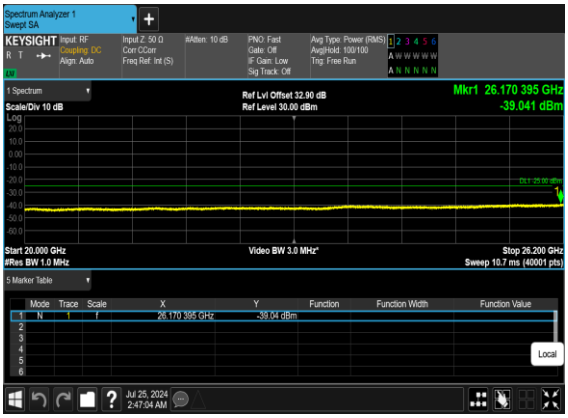
N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



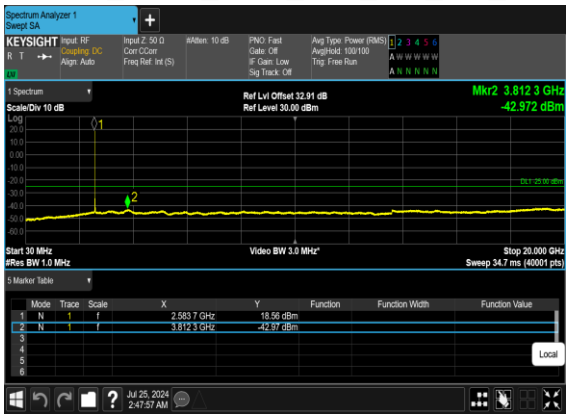
N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



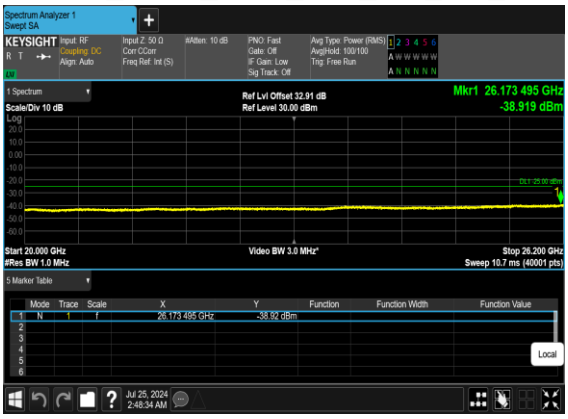
N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



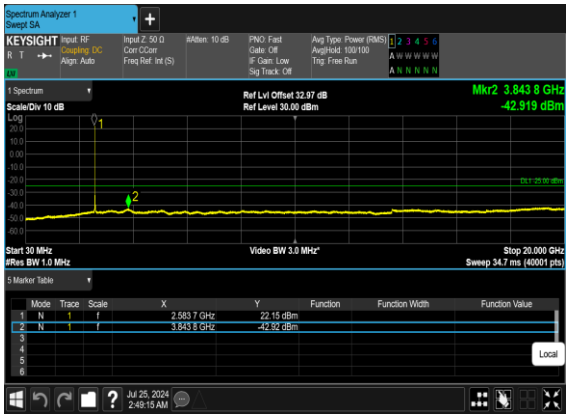
N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



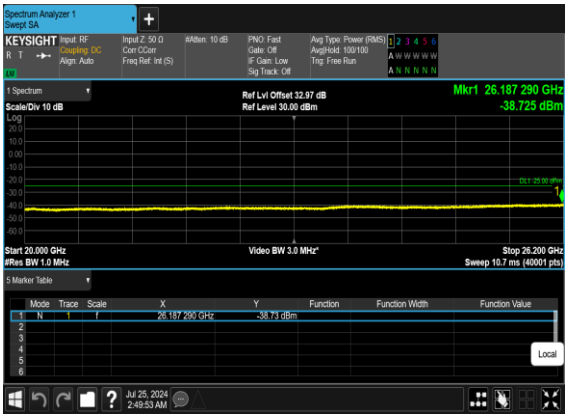
N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



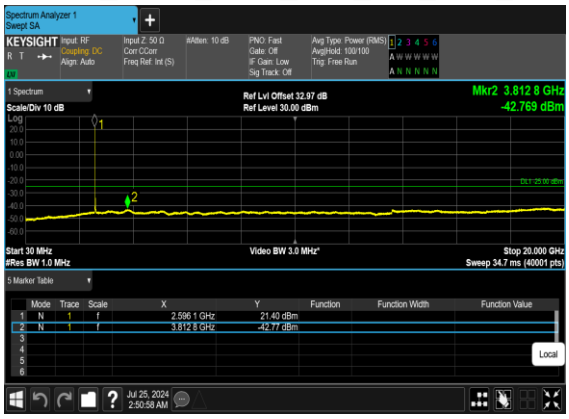
N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



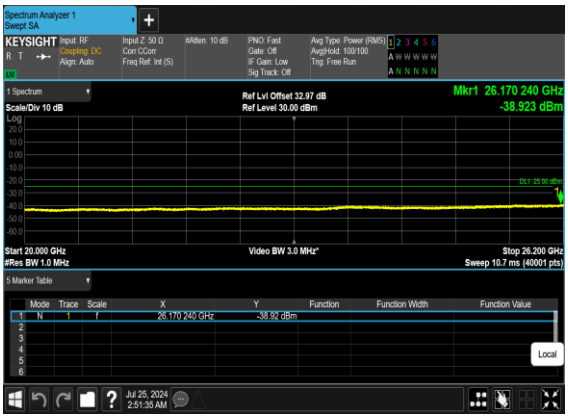
N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



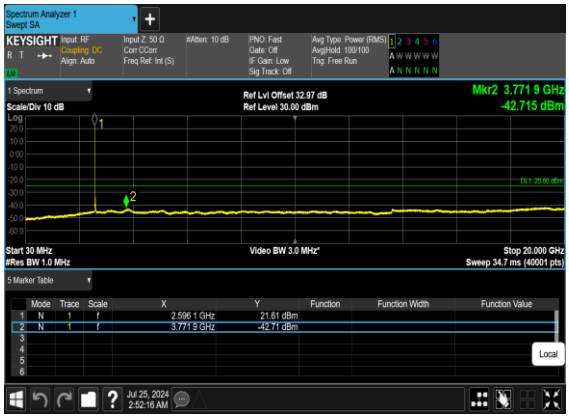
N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



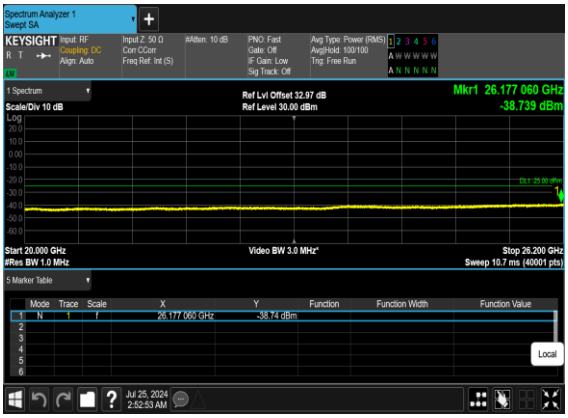
N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



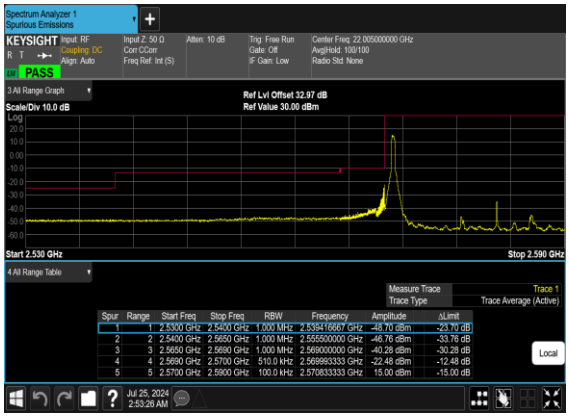
N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



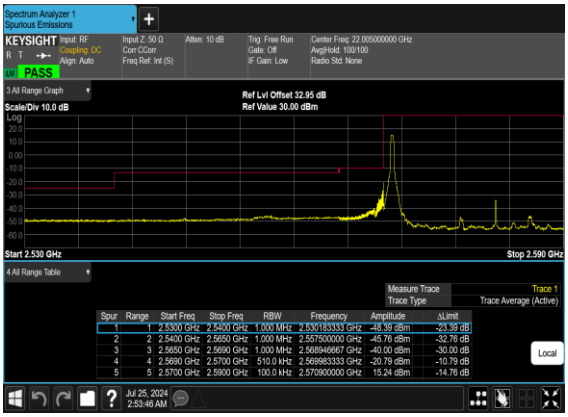
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
38	30	25	516500	2582.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	30	25	516500	2582.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	30	25	516500	2582.5	DFT-s-OFDM BPSK	64@0	see graph	**PASS**
38	30	25	516500	2582.5	DFT-s-OFDM QPSK	64@0	see graph	**PASS**
38	30	25	521500	2607.5	DFT-s-OFDM BPSK	1@64	see graph	**PASS**
38	30	25	521500	2607.5	DFT-s-OFDM QPSK	1@64	see graph	**PASS**
38	30	25	521500	2607.5	DFT-s-OFDM BPSK	64@0	see graph	**PASS**
38	30	25	521500	2607.5	DFT-s-OFDM QPSK	64@0	see graph	**PASS**

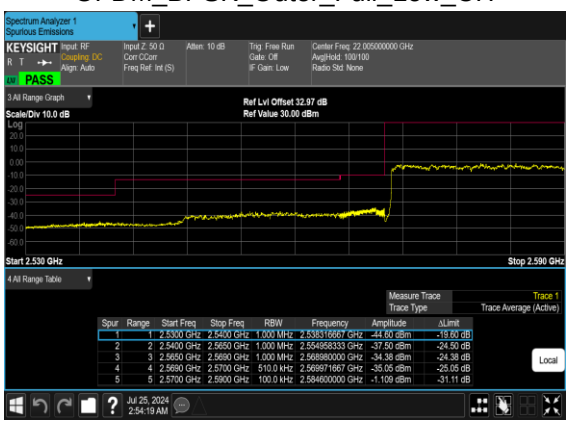
N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



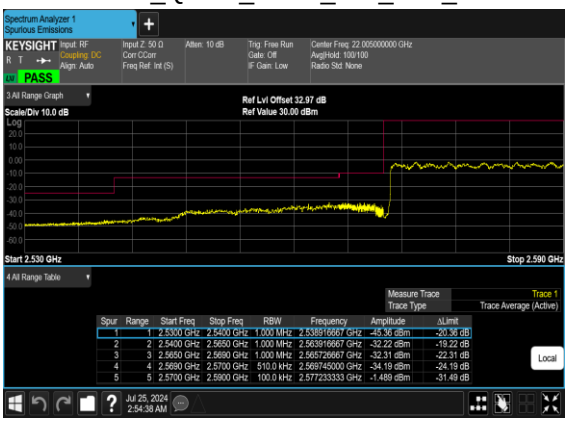
N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



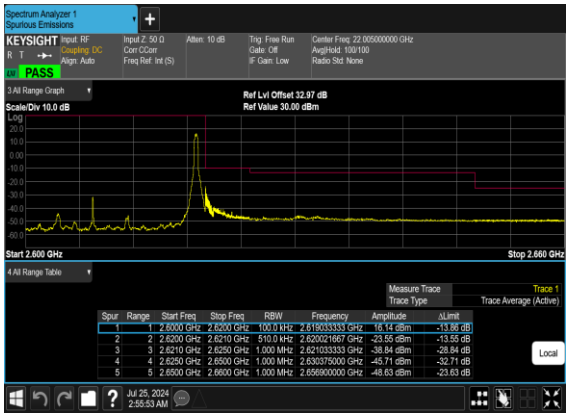
N38(25M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



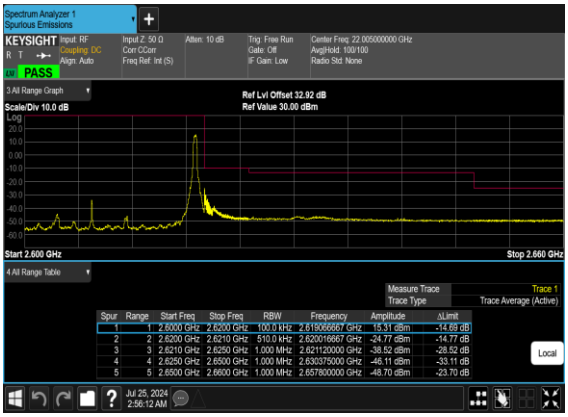
N38(25M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



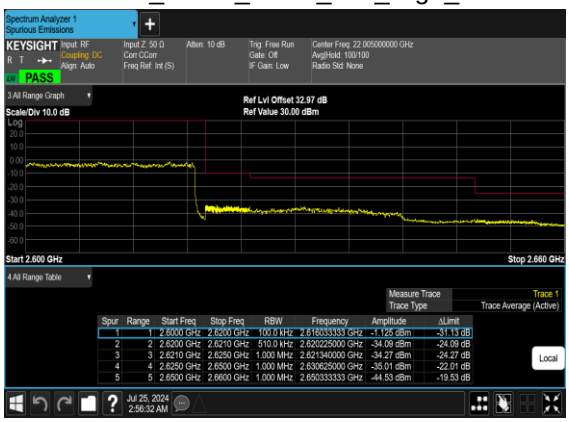
N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



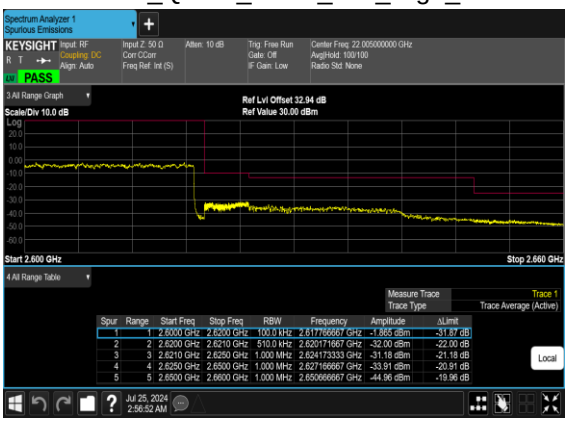
N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N38(25M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N38(25M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 23.06.1602

FR1 N38 SCS 30K(Other PA_ANT 3)

LTE Band: 4, LTE BW: 10M, LTE ARFCN: Mid

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=-5.7dBi

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
38	30	10	515000	2575	DFT-s-OFDM PI/2 BPSK	1@1	22.86	17.16	0.0520
38	30	10	515000	2575	DFT-s-OFDM QPSK	1@1	22.74	17.04	0.0506
38	30	10	515000	2575	DFT-s-OFDM 16 QAM	1@1	22.26	16.56	0.0453
38	30	10	519000	2595	DFT-s-OFDM PI/2 BPSK	1@1	22.79	17.09	0.0512
38	30	10	519000	2595	DFT-s-OFDM QPSK	1@1	22.67	16.97	0.0498
38	30	10	519000	2595	DFT-s-OFDM 16 QAM	1@1	22.25	16.55	0.0452
38	30	10	523000	2615	DFT-s-OFDM PI/2 BPSK	1@1	22.91	17.21	0.0526
38	30	10	523000	2615	DFT-s-OFDM QPSK	1@1	22.82	17.12	0.0515
38	30	10	523000	2615	DFT-s-OFDM 16 QAM	1@1	22.74	17.04	0.0506
38	30	15	515500	2577.5	DFT-s-OFDM PI/2 BPSK	1@1	23.06	23.06	0.2023
38	30	15	515500	2577.5	DFT-s-OFDM QPSK	1@1	23.2	23.2	0.2089
38	30	15	515500	2577.5	DFT-s-OFDM 16 QAM	1@1	22.53	22.53	0.1791
38	30	15	519000	2595	DFT-s-OFDM PI/2 BPSK	1@1	23.06	23.06	0.2023
38	30	15	519000	2595	DFT-s-OFDM QPSK	1@1	23.21	23.21	0.2094
38	30	15	519000	2595	DFT-s-OFDM 16 QAM	1@1	22.55	22.55	0.1799
38	30	15	522500	2612.5	DFT-s-OFDM PI/2 BPSK	1@1	23.02	23.02	0.2004
38	30	15	522500	2612.5	DFT-s-OFDM QPSK	1@1	23.17	23.17	0.2075
38	30	15	522500	2612.5	DFT-s-OFDM 16 QAM	1@1	22.68	22.68	0.1854
38	30	20	516000	2580	DFT-s-OFDM PI/2 BPSK	1@1	23.02	23.02	0.2004
38	30	20	516000	2580	DFT-s-OFDM QPSK	1@1	23.11	23.11	0.2046
38	30	20	516000	2580	DFT-s-OFDM 16 QAM	1@1	22.59	22.59	0.1816
38	30	20	519000	2595	DFT-s-OFDM PI/2 BPSK	1@1	23.05	23.05	0.2018
38	30	20	519000	2595	DFT-s-OFDM QPSK	1@1	23.21	23.21	0.2094
38	30	20	519000	2595	DFT-s-OFDM 16 QAM	1@1	22.66	22.66	0.1845
38	30	20	522000	2610	DFT-s-OFDM PI/2 BPSK	1@1	22.99	22.99	0.1991
38	30	20	522000	2610	DFT-s-OFDM QPSK	1@1	23.09	23.09	0.2037
38	30	20	522000	2610	DFT-s-OFDM 16 QAM	1@1	22.65	22.65	0.1841
38	30	25	516500	2582.5	DFT-s-OFDM PI/2 BPSK	1@1	23.16	23.16	0.2070
38	30	25	516500	2582.5	DFT-s-OFDM QPSK	1@1	23.16	23.16	0.2070
38	30	25	516500	2582.5	DFT-s-OFDM 16 QAM	1@1	22.42	22.42	0.1746
38	30	25	519000	2595	DFT-s-OFDM PI/2 BPSK	1@1	23.07	23.07	0.2028
38	30	25	519000	2595	DFT-s-OFDM QPSK	1@1	23.12	23.12	0.2051
38	30	25	519000	2595	DFT-s-OFDM 16 QAM	1@1	22.39	22.39	0.1734
38	30	25	521500	2607.5	DFT-s-OFDM PI/2 BPSK	1@1	23.07	23.07	0.2028
38	30	25	521500	2607.5	DFT-s-OFDM QPSK	1@1	23.12	23.12	0.2051
38	30	25	521500	2607.5	DFT-s-OFDM 16 QAM	1@1	22.39	22.39	0.1734

38	30	30	517000	2585	DFT-s-OFDM PI/2 BPSK	1@1	23.14	23.14	0.2061
38	30	30	517000	2585	DFT-s-OFDM QPSK	1@1	23.24	23.24	0.2109
38	30	30	517000	2585	DFT-s-OFDM 16 QAM	1@1	22.69	22.69	0.1858
38	30	30	519000	2595	DFT-s-OFDM PI/2 BPSK	1@1	23.04	23.04	0.2014
38	30	30	519000	2595	DFT-s-OFDM QPSK	1@1	23.2	23.2	0.2089
38	30	30	519000	2595	DFT-s-OFDM 16 QAM	1@1	22.53	22.53	0.1791
38	30	30	521000	2605	DFT-s-OFDM PI/2 BPSK	1@1	23.07	23.07	0.2028
38	30	30	521000	2605	DFT-s-OFDM QPSK	1@1	23.16	23.16	0.2070
38	30	30	521000	2605	DFT-s-OFDM 16 QAM	1@1	22.86	22.86	0.1932
38	30	40	518000	2590	DFT-s-OFDM PI/2 BPSK	50@25	23.2	23.2	0.2089
38	30	40	518000	2590	DFT-s-OFDM PI/2 BPSK	1@1	23.1	23.1	0.2042
38	30	40	518000	2590	DFT-s-OFDM PI/2 BPSK	1@104	23.06	23.06	0.2023
38	30	40	518000	2590	DFT-s-OFDM QPSK	50@25	23.1	23.1	0.2042
38	30	40	518000	2590	DFT-s-OFDM QPSK	1@1	23.19	23.19	0.2084
38	30	40	518000	2590	DFT-s-OFDM QPSK	1@104	23.17	23.17	0.2075
38	30	40	518000	2590	DFT-s-OFDM 16 QAM	50@25	22.41	22.41	0.1742
38	30	40	518000	2590	DFT-s-OFDM 16 QAM	1@1	22.55	22.55	0.1799
38	30	40	518000	2590	DFT-s-OFDM 16 QAM	1@104	22.66	22.66	0.1845
38	30	40	518000	2590	DFT-s-OFDM 64 QAM	50@25	20.95	20.95	0.1245
38	30	40	518000	2590	DFT-s-OFDM 64 QAM	1@1	20.54	20.54	0.1132
38	30	40	518000	2590	DFT-s-OFDM 64 QAM	1@104	20.63	20.63	0.1156
38	30	40	518000	2590	DFT-s-OFDM 256 QAM	50@25	19	19	0.0794
38	30	40	518000	2590	DFT-s-OFDM 256 QAM	1@1	19.02	19.02	0.0798
38	30	40	518000	2590	DFT-s-OFDM 256 QAM	1@104	19.04	19.04	0.0802
38	30	40	518000	2590	CP-OFDM QPSK	53@26	21.94	21.94	0.1563
38	30	40	518000	2590	CP-OFDM QPSK	1@1	21.88	21.88	0.1542
38	30	40	518000	2590	CP-OFDM QPSK	1@104	21.89	21.89	0.1545
38	30	40	519000	2595	DFT-s-OFDM PI/2 BPSK	50@25	23.15	23.15	0.2065
38	30	40	519000	2595	DFT-s-OFDM PI/2 BPSK	1@1	23.08	23.08	0.2032
38	30	40	519000	2595	DFT-s-OFDM PI/2 BPSK	1@104	22.99	22.99	0.1991
38	30	40	519000	2595	DFT-s-OFDM QPSK	50@25	23.14	23.14	0.2061
38	30	40	519000	2595	DFT-s-OFDM QPSK	1@1	23.17	23.17	0.2075
38	30	40	519000	2595	DFT-s-OFDM QPSK	1@104	23.16	23.16	0.2070
38	30	40	519000	2595	DFT-s-OFDM 16 QAM	50@25	22.43	22.43	0.1750
38	30	40	519000	2595	DFT-s-OFDM 16 QAM	1@1	22.74	22.74	0.1879
38	30	40	519000	2595	DFT-s-OFDM 16 QAM	1@104	22.76	22.76	0.1888
38	30	40	519000	2595	DFT-s-OFDM 64 QAM	50@25	20.96	20.96	0.1247
38	30	40	519000	2595	DFT-s-OFDM 64 QAM	1@1	20.66	20.66	0.1164
38	30	40	519000	2595	DFT-s-OFDM 64 QAM	1@104	20.63	20.63	0.1156
38	30	40	519000	2595	DFT-s-OFDM 256 QAM	50@25	19.04	19.04	0.0802
38	30	40	519000	2595	DFT-s-OFDM 256 QAM	1@1	19.01	19.01	0.0796
38	30	40	519000	2595	DFT-s-OFDM 256 QAM	1@104	18.93	18.93	0.0782
38	30	40	519000	2595	CP-OFDM QPSK	53@26	21.96	21.96	0.1570
38	30	40	519000	2595	CP-OFDM QPSK	1@1	21.91	21.91	0.1552
38	30	40	519000	2595	CP-OFDM QPSK	1@104	21.84	21.84	0.1528
38	30	40	520000	2600	DFT-s-OFDM PI/2 BPSK	50@25	23.15	23.15	0.2065
38	30	40	520000	2600	DFT-s-OFDM PI/2 BPSK	1@1	23.01	23.01	0.2000

38	30	40	520000	2600	DFT-s-OFDM PI/2 BPSK	1@104	22.96	22.96	0.1977
38	30	40	520000	2600	DFT-s-OFDM QPSK	50@25	23.07	23.07	0.2028
38	30	40	520000	2600	DFT-s-OFDM QPSK	1@1	23.11	23.11	0.2046
38	30	40	520000	2600	DFT-s-OFDM QPSK	1@104	23.13	23.13	0.2056
38	30	40	520000	2600	DFT-s-OFDM 16 QAM	50@25	22.34	22.34	0.1714
38	30	40	520000	2600	DFT-s-OFDM 16 QAM	1@1	22.73	22.73	0.1875
38	30	40	520000	2600	DFT-s-OFDM 16 QAM	1@104	22.46	22.46	0.1762
38	30	40	520000	2600	DFT-s-OFDM 64 QAM	50@25	20.95	20.95	0.1245
38	30	40	520000	2600	DFT-s-OFDM 64 QAM	1@1	20.54	20.54	0.1132
38	30	40	520000	2600	DFT-s-OFDM 64 QAM	1@104	20.55	20.55	0.1135
38	30	40	520000	2600	DFT-s-OFDM 256 QAM	50@25	19.02	19.02	0.0798
38	30	40	520000	2600	DFT-s-OFDM 256 QAM	1@1	18.89	18.89	0.0774
38	30	40	520000	2600	DFT-s-OFDM 256 QAM	1@104	18.91	18.91	0.0778
38	30	40	520000	2600	CP-OFDM QPSK	53@26	21.95	21.95	0.1567
38	30	40	520000	2600	CP-OFDM QPSK	1@1	21.78	21.78	0.1507
38	30	40	520000	2600	CP-OFDM QPSK	1@104	21.77	21.77	0.1503

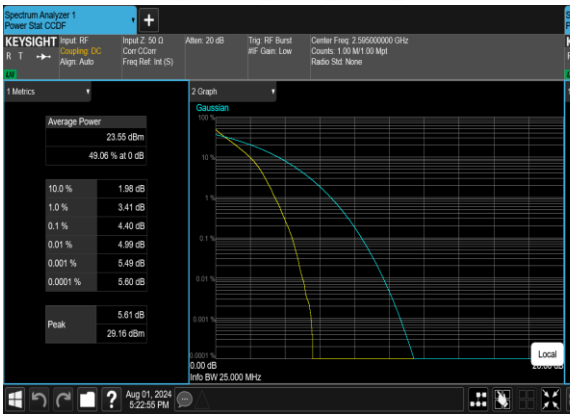
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	50@0	-0.0048	**PASS**	NV
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	50@0	-0.0071	**PASS**	LV
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	50@0	-0.0036	**PASS**	HV
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	50@0	0.0025	**PASS**	-30℃
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	50@0	-0.0047	**PASS**	-20℃
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	50@0	-0.0022	**PASS**	-10℃
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	50@0	0.0016	**PASS**	0℃
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	50@0	-0.0009	**PASS**	10℃
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	50@0	-0.0037	**PASS**	20℃
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	50@0	-0.0026	**PASS**	30℃
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	50@0	-0.0045	**PASS**	40℃
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	50@0	0.0069	**PASS**	50℃

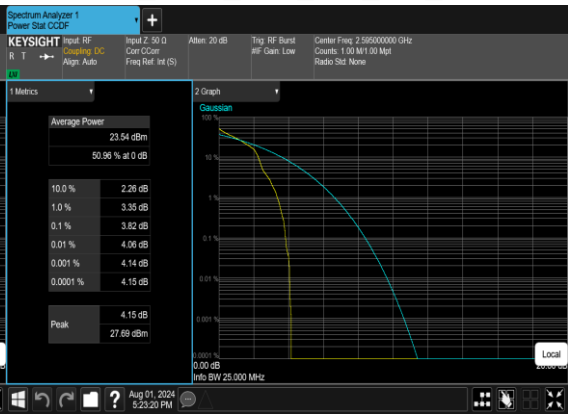
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
38	30	25	519000	2595.0	DFT-s-OFDM PI/2 BPSK	50@0	4.4	13	**PASS**
38	30	25	519000	2595.0	DFT-s-OFDM PI/2 BPSK	1@0	3.82	13	**PASS**
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	50@0	5.55	13	**PASS**
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	1@0	4.62	13	**PASS**

B4_N38(25M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



B4_N38(25M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



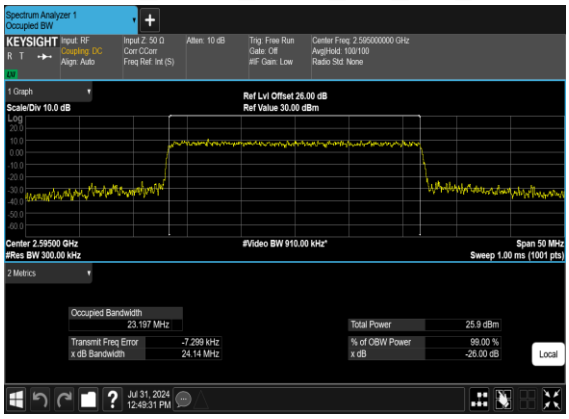
B4_N38(25M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

B4_N38(25M)_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)
38	30	25	519000	2595.0	CP-OFDM QPSK	65@0	23.197	24.14
38	30	25	519000	2595.0	CP-OFDM 16 QAM	65@0	23.177	24.25
38	30	25	519000	2595.0	CP-OFDM 64 QAM	65@0	23.219	24.1
38	30	25	519000	2595.0	CP-OFDM 256 QAM	65@0	23.198	24.09

B4_N38(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



B4_N38(25M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

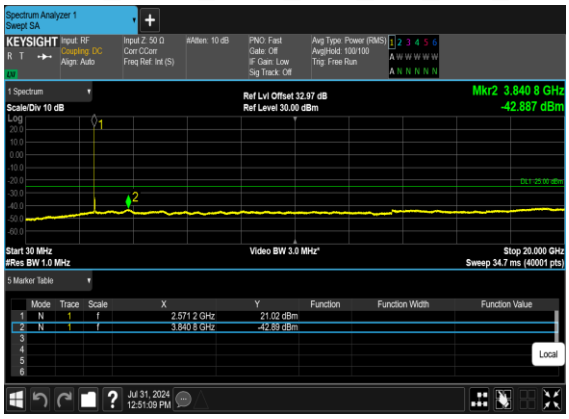
B4_N38(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

B4_N38(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

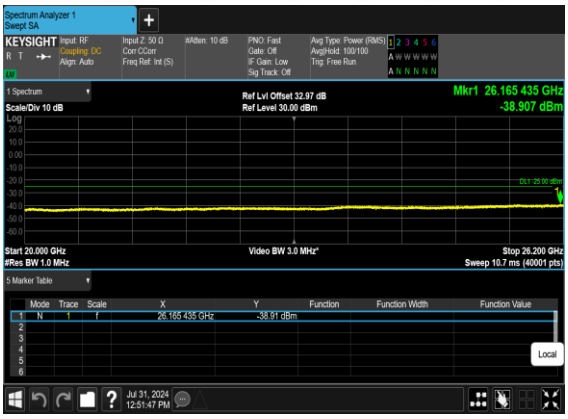
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
38	30	25	516500	2582.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
38	30	25	516500	2582.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	30	25	516500	2582.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	30	25	516500	2582.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
38	30	25	516500	2582.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	30	25	516500	2582.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	30	25	519000	2595.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
38	30	25	519000	2595.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	30	25	519000	2595.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	30	25	519000	2595.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	30	25	521500	2607.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
38	30	25	521500	2607.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	30	25	521500	2607.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	30	25	521500	2607.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
38	30	25	521500	2607.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	30	25	521500	2607.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

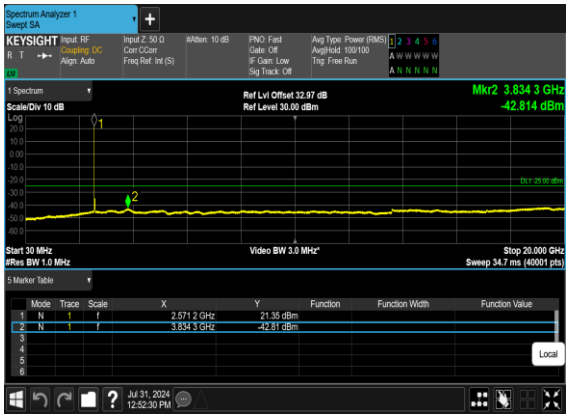
B4_N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



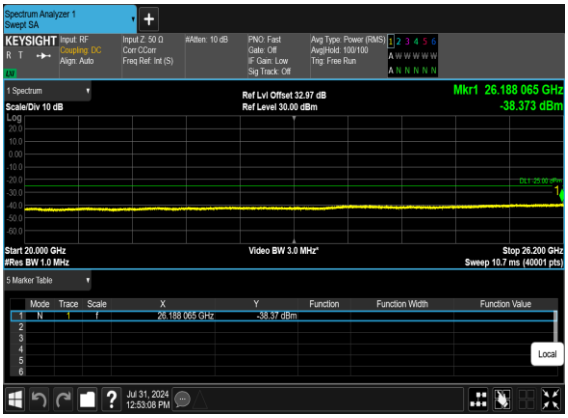
B4_N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



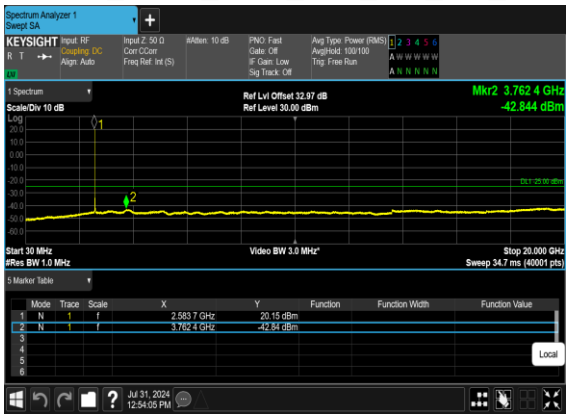
B4_N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



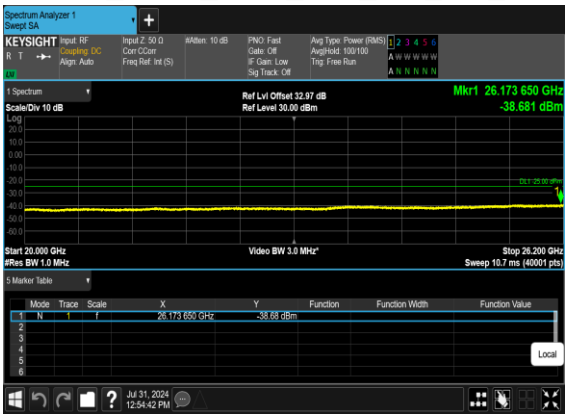
B4_N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



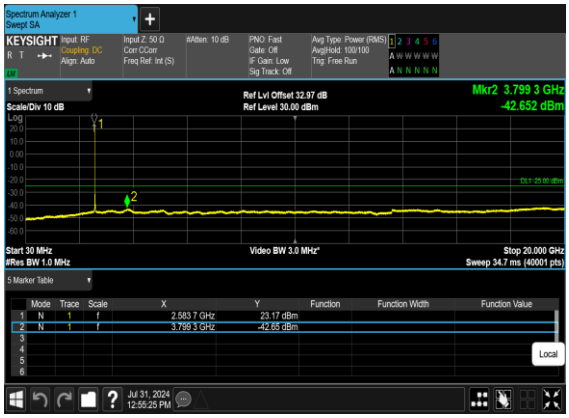
B4_N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



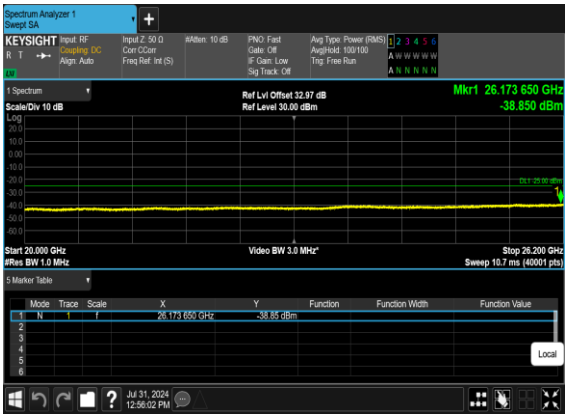
B4_N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



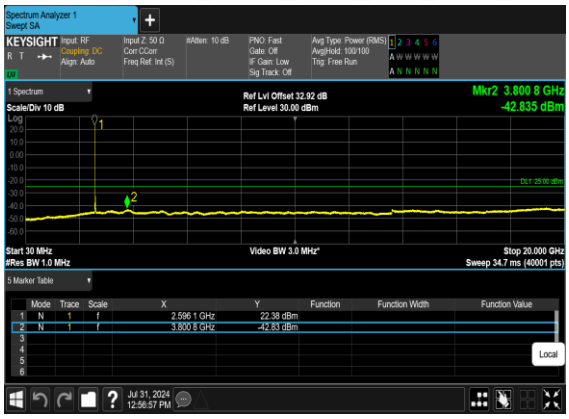
B4_N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



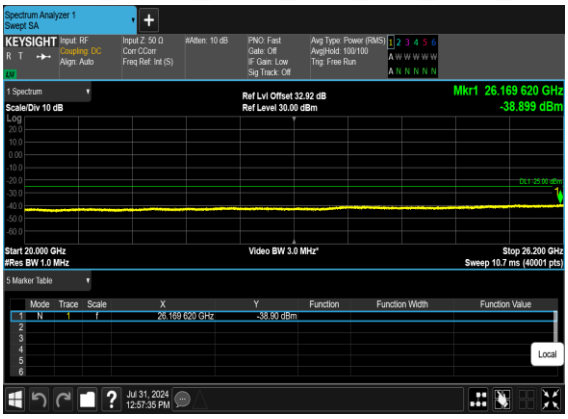
B4_N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



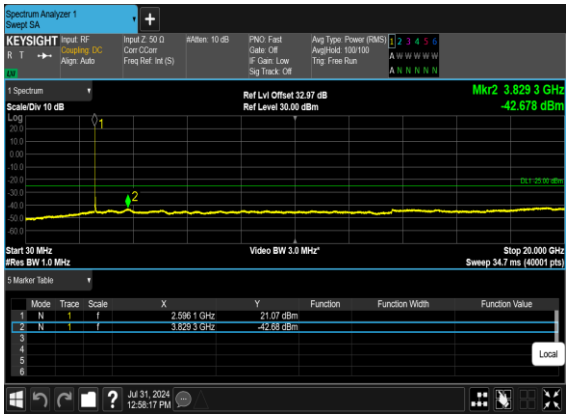
B4_N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



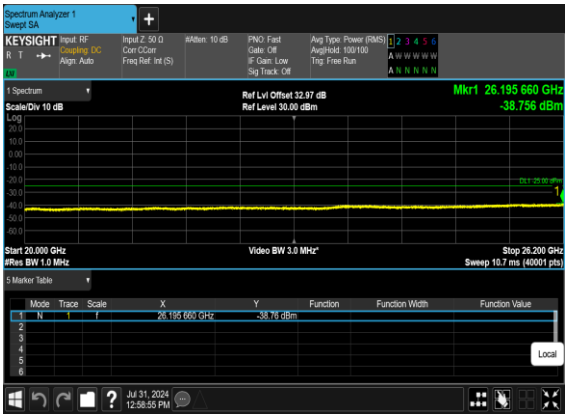
B4_N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



B4_N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



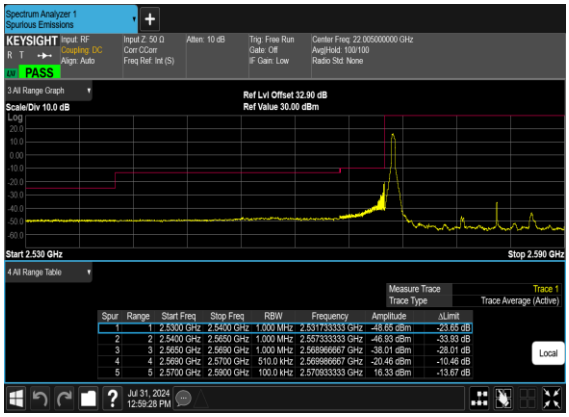
B4_N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



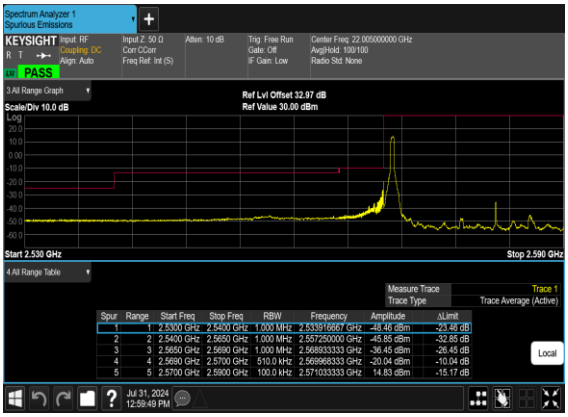
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
38	30	25	516500	2582.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	30	25	516500	2582.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	30	25	516500	2582.5	DFT-s-OFDM BPSK	64@0	see graph	**PASS**
38	30	25	516500	2582.5	DFT-s-OFDM QPSK	64@0	see graph	**PASS**
38	30	25	521500	2607.5	DFT-s-OFDM BPSK	1@64	see graph	**PASS**
38	30	25	521500	2607.5	DFT-s-OFDM QPSK	1@64	see graph	**PASS**
38	30	25	521500	2607.5	DFT-s-OFDM BPSK	64@0	see graph	**PASS**
38	30	25	521500	2607.5	DFT-s-OFDM QPSK	64@0	see graph	**PASS**

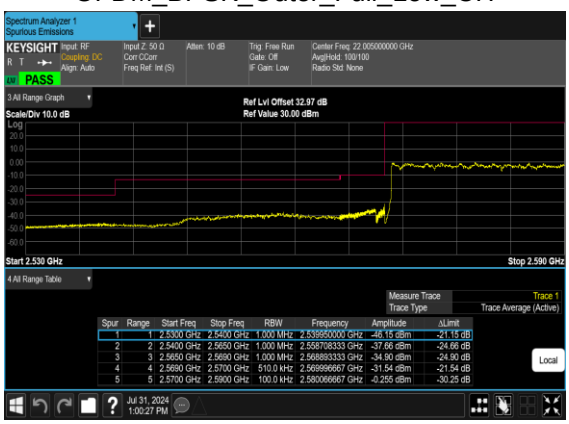
B4_N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



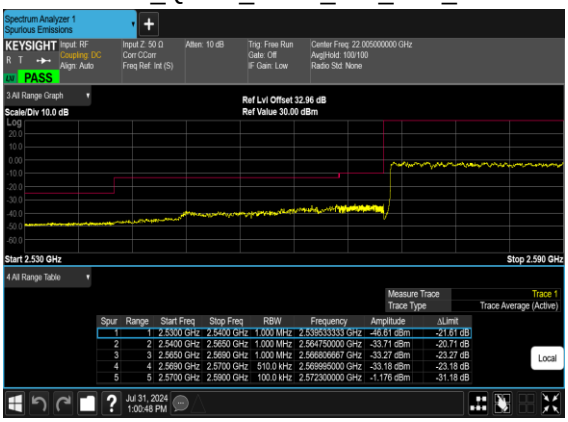
B4_N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



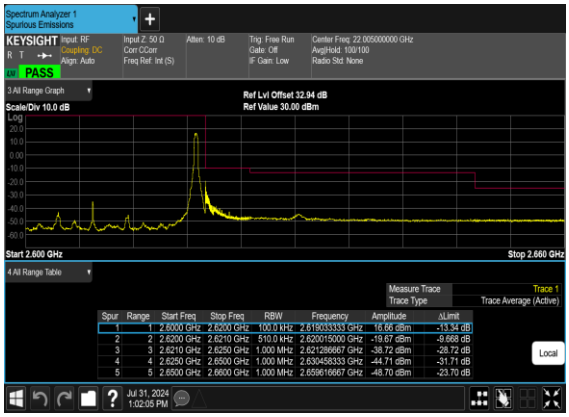
B4_N38(25M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



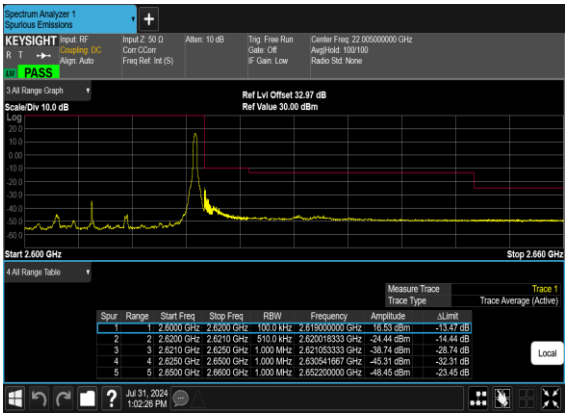
B4_N38(25M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



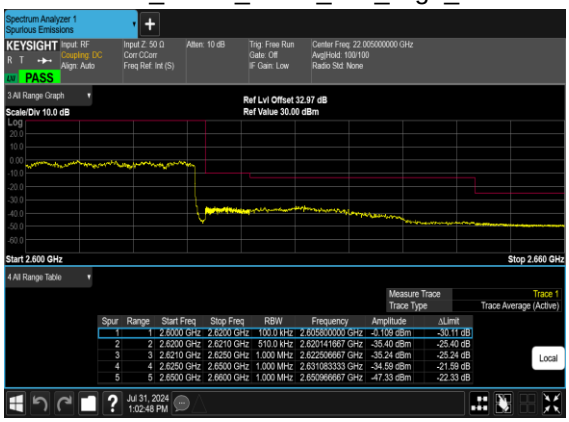
B4_N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



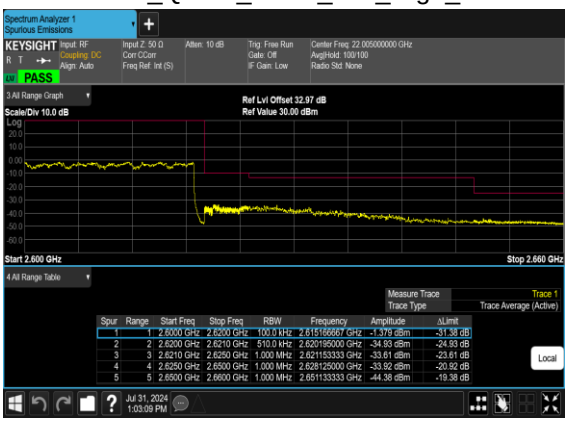
B4_N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



B4_N38(25M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



B4_N38(25M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



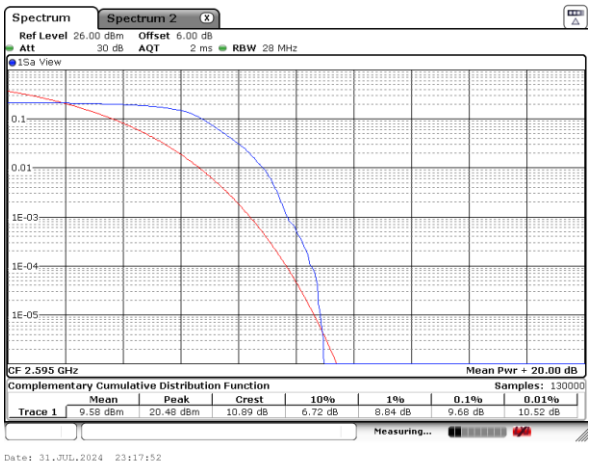
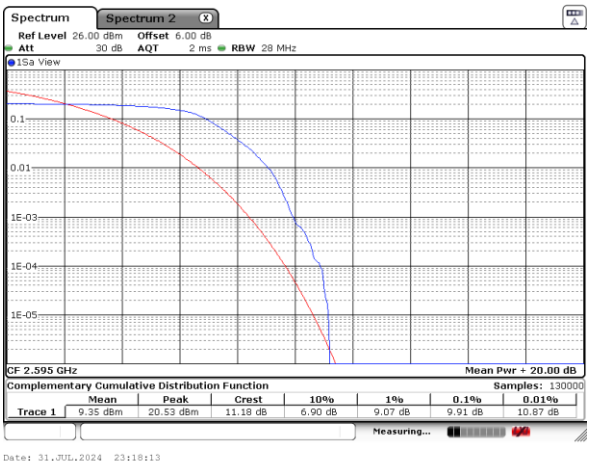
FR1 n38 SCS 30K(Other PA_ANT 7)

Transmitter Conducted Output Power And EIRP, (GT - LC)=-6.2dBi

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Gain	EIRP	EIRP	EIRP
Channel				518004	519000	519996		L	M	H
Frequency (MHz)				2590.02	2595	2599.98				
40	PI/2 BPSK	1	1	16.80	16.67	16.70	-6.2	0.0115	0.0111	0.0112
40	QPSK	1	1	16.62	16.42	16.45	-6.2	0.0110	0.0105	0.0106
40	QPSK	1	53	17.26	17.08	17.11	-6.2	0.0128	0.0122	0.0123
40	QPSK	1	104	17.47	17.32	17.34	-6.2	0.0134	0.0129	0.0130
40	QPSK	50	0	15.26	15.13	15.20	-6.2	0.0081	0.0078	0.0079
40	QPSK	50	28	16.72	16.56	16.61	-6.2	0.0113	0.0109	0.0110
40	QPSK	50	56	16.32	16.13	16.20	-6.2	0.0103	0.0098	0.0100
40	QPSK	100	0	15.65	15.46	15.50	-6.2	0.0088	0.0084	0.0085
40	16QAM	1	1	15.19	15.04	15.07	-6.2	0.0079	0.0077	0.0077
40	64QAM	1	1	13.87	13.69	13.76	-6.2	0.0058	0.0056	0.0057
40	256QAM	1	1	11.76	11.59	11.68	-6.2	0.0036	0.0035	0.0035
Channel				517002	519000	520998	Gain	EIRP	EIRP	EIRP
Frequency (MHz)				2585.01	2595	2604.99				
30	QPSK	1	1	16.78	16.60	16.68	-6.2	0.0114	0.0110	0.0112
30	16QAM	1	1	16.58	16.38	16.41	-6.2	0.0109	0.0104	0.0105
Channel				516504	519000	521496	Gain	EIRP	EIRP	EIRP
Frequency (MHz)				2582.52	2595	2607.48				
25	PI/2 BPSK	1	1	16.79	16.60	16.68	-6.2	0.0115	0.0110	0.0112
25	16QAM	1	1	16.60	16.33	16.38	-6.2	0.0110	0.0103	0.0104
Channel				516000	519000	522000	Gain	EIRP	EIRP	EIRP
Frequency (MHz)				2580	2595	2610				
20	PI/2 BPSK	1	1	16.73	16.60	16.69	-6.2	0.0113	0.0110	0.0112
20	QPSK	1	1	16.60	16.40	16.44	-6.2	0.0110	0.0105	0.0106
Channel				515004	519000	522996	Gain	EIRP	EIRP	EIRP
Frequency (MHz)				2575.02	2595	2614.98				
10	PI/2 BPSK	1	1	16.78	16.59	16.64	-6.2	0.0114	0.0109	0.0111
10	PI/2 BPSK	1	1	16.61	16.40	16.37	-6.2	0.0110	0.0105	0.0104

Peak-to-Average Ratio

Mode	FR1 n38 /25MHz / DFT-S OFDM		
Mod.	25		Limit: 13dB
RB Size	BPSK	QPSK	Result
Middle CH	9.68	9.91	PASS

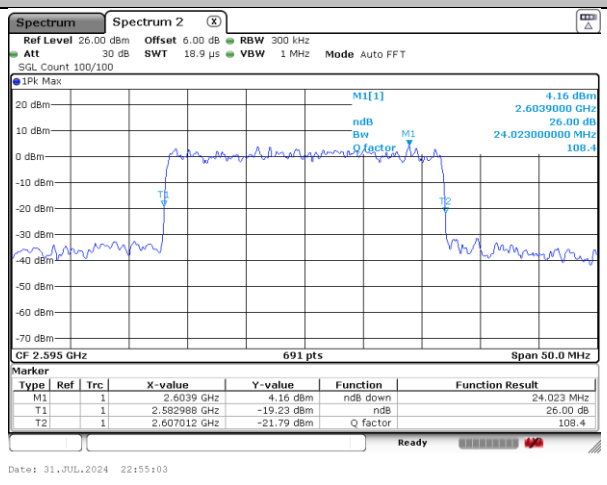
BPSK	QPSK
	

26dB Bandwidth

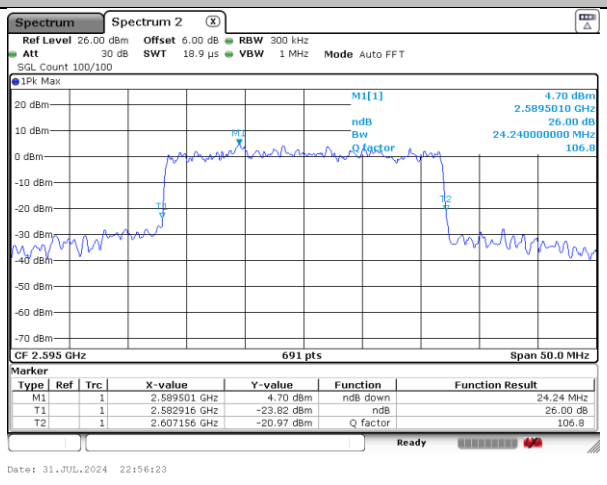
Mode	FR1 n38 : 26dB BW(MHz) / DFT-S OFDM			
BW	25M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	24.02	24.24	24.10	24.10

25M

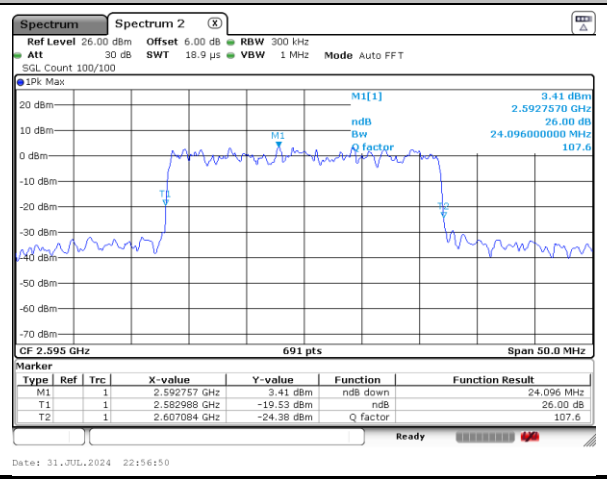
BPSK



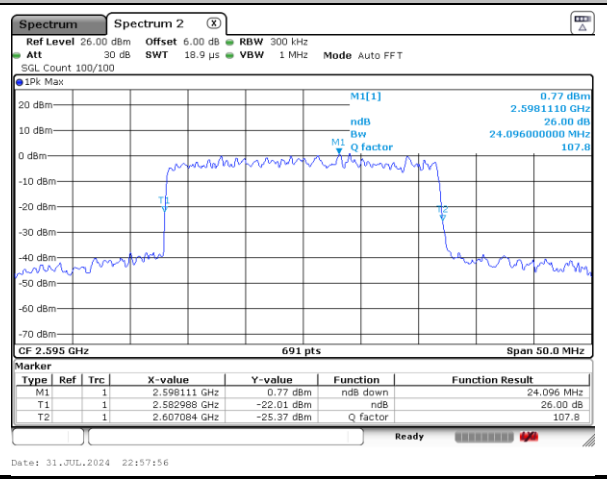
16QAM



64QAM



256QAM

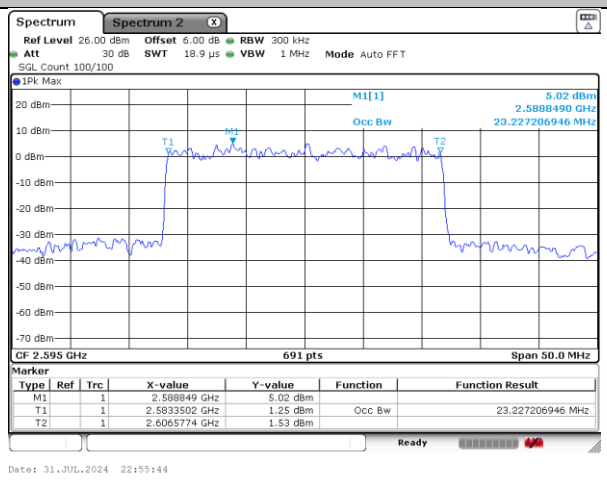


Occupied Bandwidth

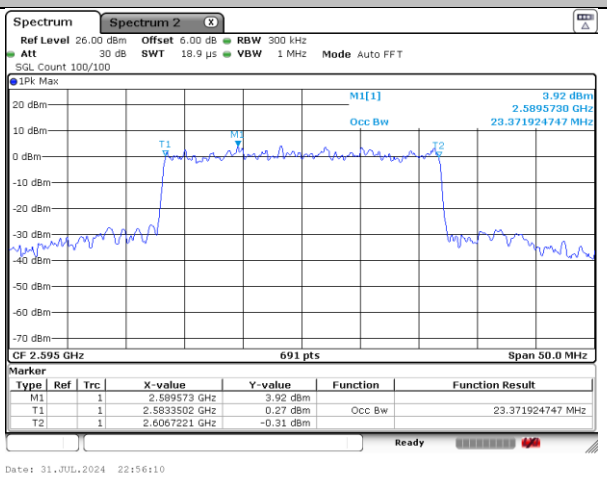
Mode	FR1 n38: OB BW(MHz) / DFT-S OFDM			
BW	25M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	23.23	23.37	23.15	23.23

25M

QPSK



16QAM



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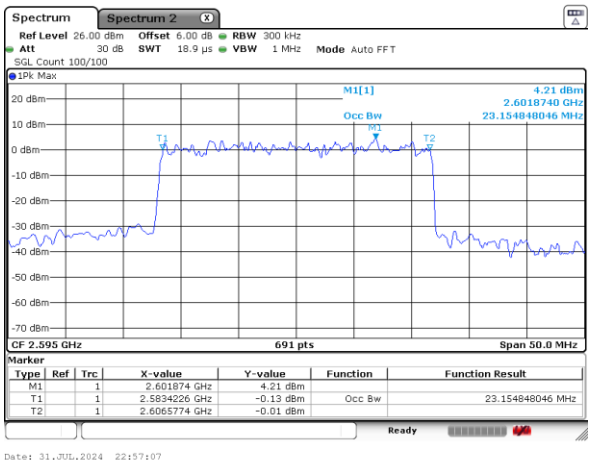
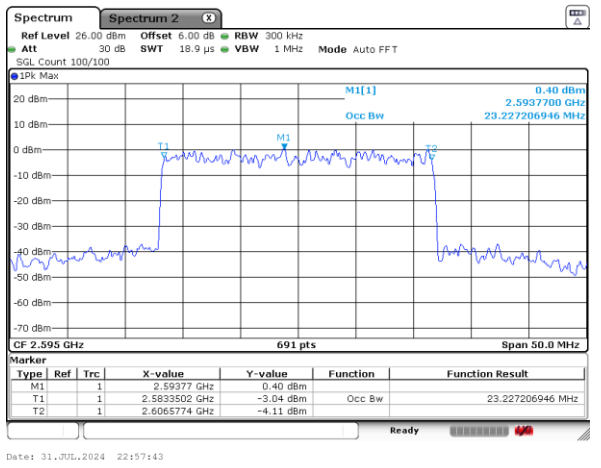


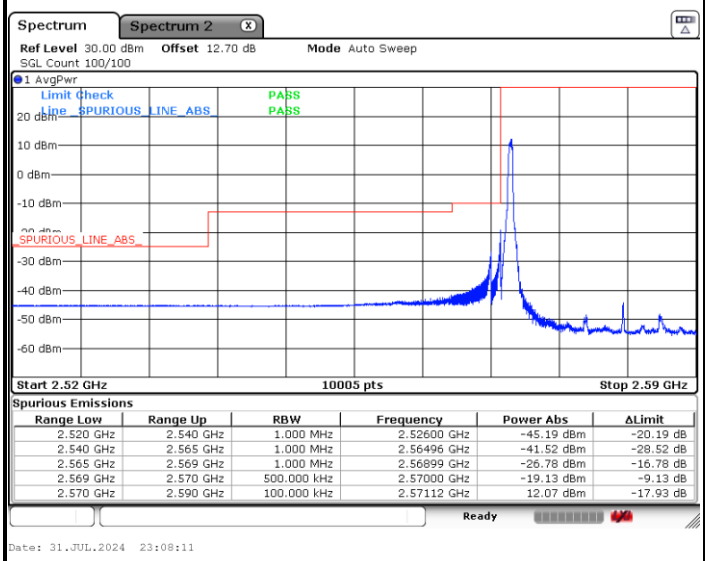
256QAM



Conducted Band Edge

FR1 n38/ 25MHz / DFT-S OFDM / BPSK

Lowest Band Edge / 1RB0

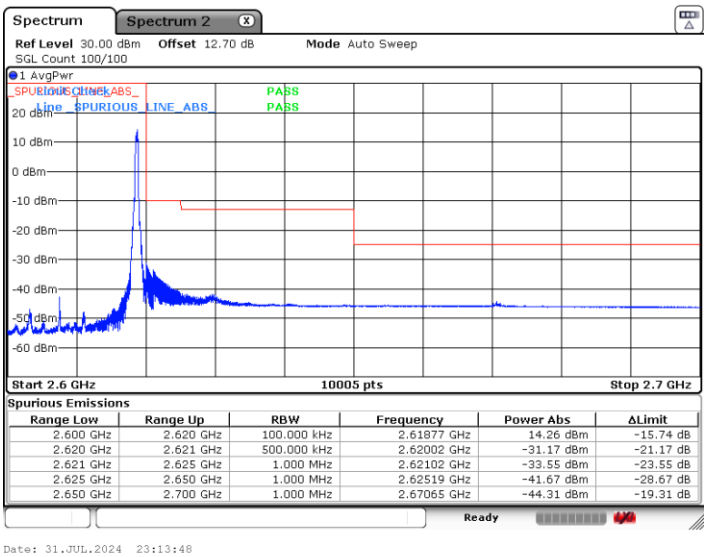


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.520 GHz	2.540 GHz	1.000 MHz	2.52600 GHz	-45.19 dBm	-20.19 dB
2.540 GHz	2.565 GHz	1.000 MHz	2.56496 GHz	-41.52 dBm	-28.52 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56899 GHz	-26.78 dBm	-16.78 dB
2.569 GHz	2.570 GHz	500.000 kHz	2.57000 GHz	-19.13 dBm	-9.13 dB
2.570 GHz	2.590 GHz	100.000 kHz	2.57112 GHz	12.07 dBm	-17.93 dB

Date: 31.JUL.2024 23:08:11

Highest Band Edge / 1RBmax

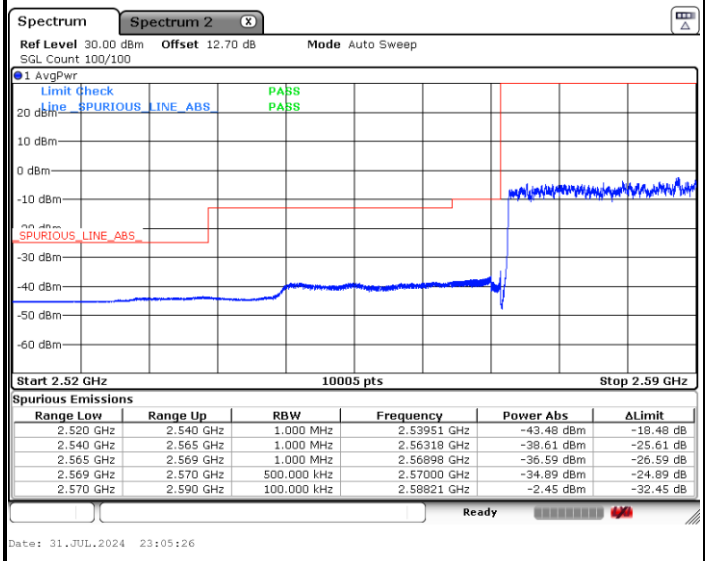


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.600 GHz	2.620 GHz	100.000 kHz	2.61877 GHz	14.26 dBm	-15.74 dB
2.620 GHz	2.621 GHz	500.000 kHz	2.62002 GHz	-31.17 dBm	-21.17 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62102 GHz	-33.55 dBm	-23.55 dB
2.625 GHz	2.650 GHz	1.000 MHz	2.62519 GHz	-41.67 dBm	-28.67 dB
2.650 GHz	2.700 GHz	1.000 MHz	2.67065 GHz	-44.31 dBm	-19.31 dB

Date: 31.JUL.2024 23:13:48

Lowest Band Edge / Full RB

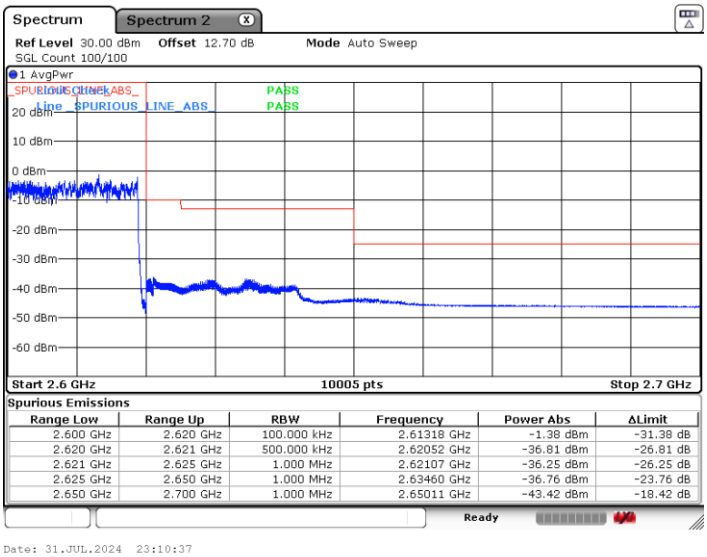


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.520 GHz	2.540 GHz	1.000 MHz	2.53951 GHz	-43.48 dBm	-18.48 dB
2.540 GHz	2.565 GHz	1.000 MHz	2.56318 GHz	-38.61 dBm	-25.61 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56898 GHz	-36.59 dBm	-26.59 dB
2.569 GHz	2.570 GHz	500.000 kHz	2.57000 GHz	-34.89 dBm	-24.89 dB
2.570 GHz	2.590 GHz	100.000 kHz	2.58821 GHz	-2.45 dBm	-32.45 dB

Date: 31.JUL.2024 23:05:26

Highest Band Edge / Full RB



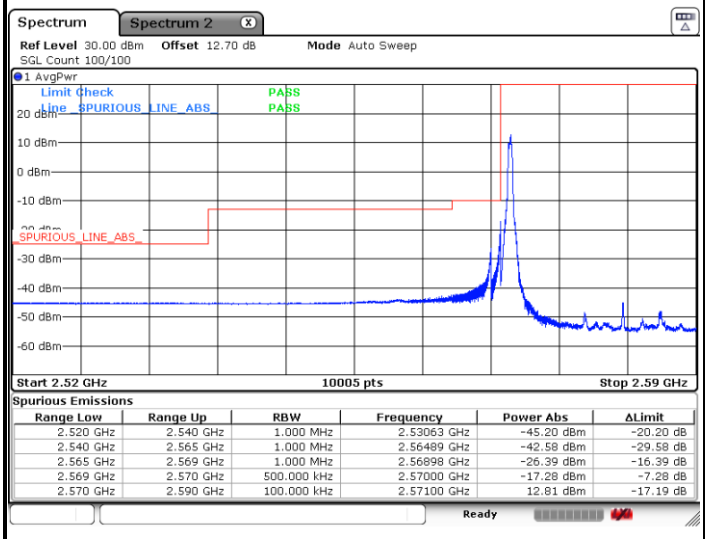
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.600 GHz	2.620 GHz	100.000 kHz	2.61318 GHz	-1.38 dBm	-31.38 dB
2.620 GHz	2.621 GHz	500.000 kHz	2.62052 GHz	-36.81 dBm	-26.81 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62107 GHz	-36.25 dBm	-26.25 dB
2.625 GHz	2.650 GHz	1.000 MHz	2.63460 GHz	-36.76 dBm	-23.76 dB
2.650 GHz	2.700 GHz	1.000 MHz	2.65011 GHz	-43.42 dBm	-18.42 dB

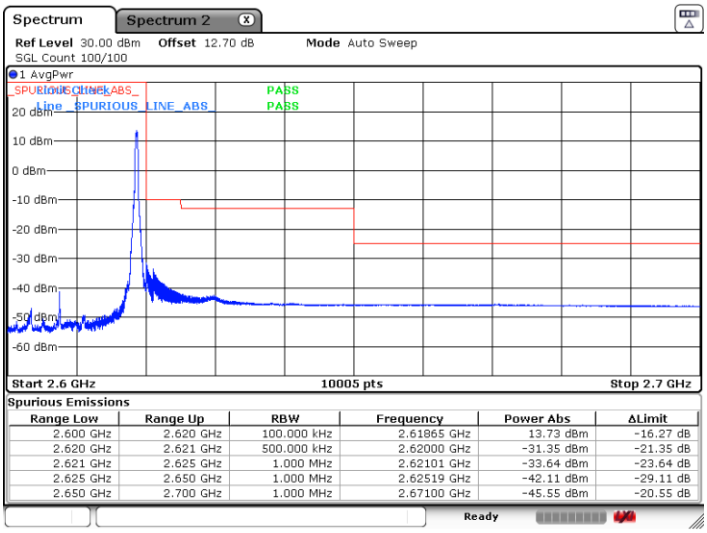
Date: 31.JUL.2024 23:10:37

FR1 n38 / 25MHz / DFT-S OFDM / QPSK

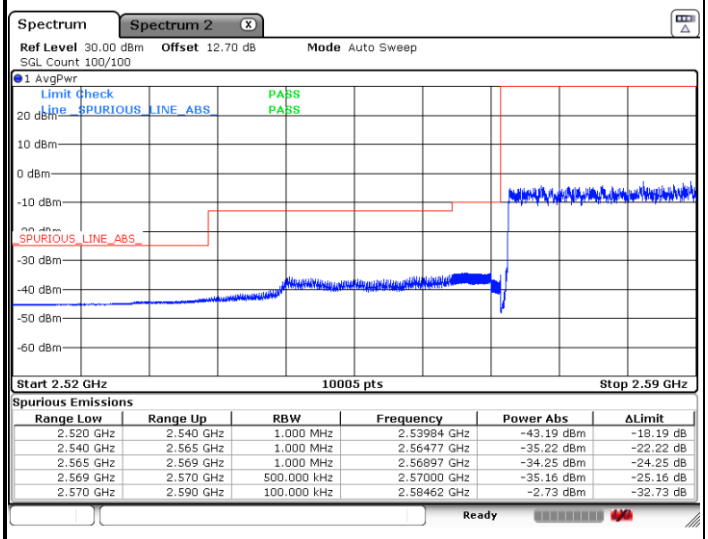
Lowest Band Edge / 1RB0



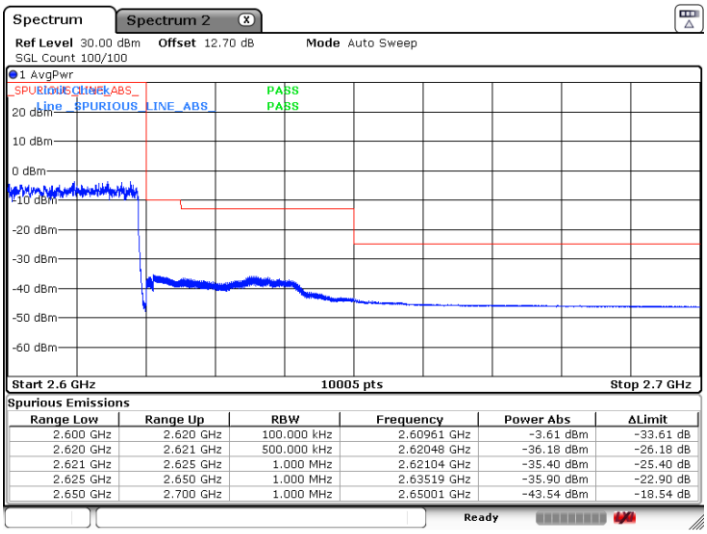
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



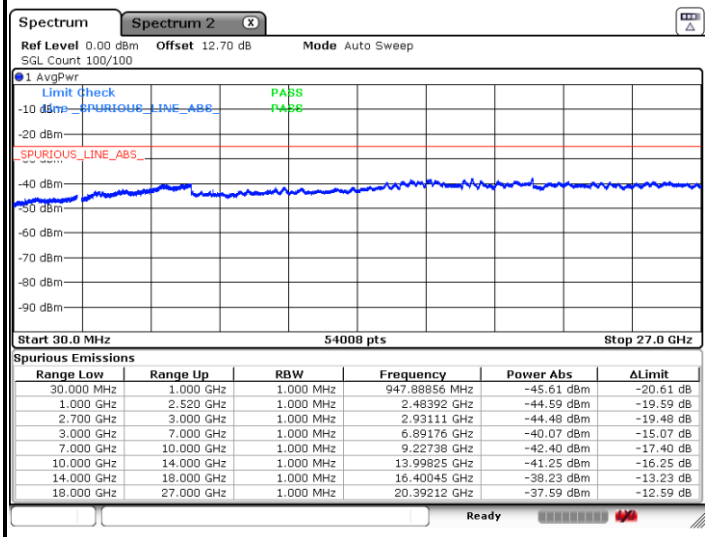
Highest Band Edge / Full RB



Conducted Spurious Emission

FR1 n38 / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

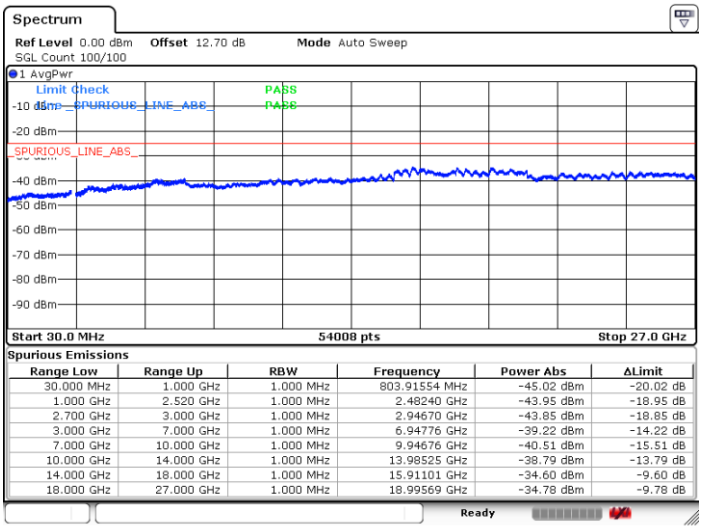


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	947.88856 MHz	-45.61 dBm	-20.61 dB
1.000 GHz	2.520 GHz	1.000 MHz	2.48392 GHz	-44.59 dBm	-19.59 dB
2.700 GHz	3.000 GHz	1.000 MHz	2.93111 GHz	-44.48 dBm	-19.48 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.89176 GHz	-40.07 dBm	-15.07 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.22738 GHz	-42.40 dBm	-17.40 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99825 GHz	-41.25 dBm	-16.25 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.40045 GHz	-38.23 dBm	-13.23 dB
18.000 GHz	27.000 GHz	1.000 MHz	20.39212 GHz	-37.59 dBm	-12.59 dB

Date: 31.JUL.2024 23:15:02

Middle Channel / 1RB1

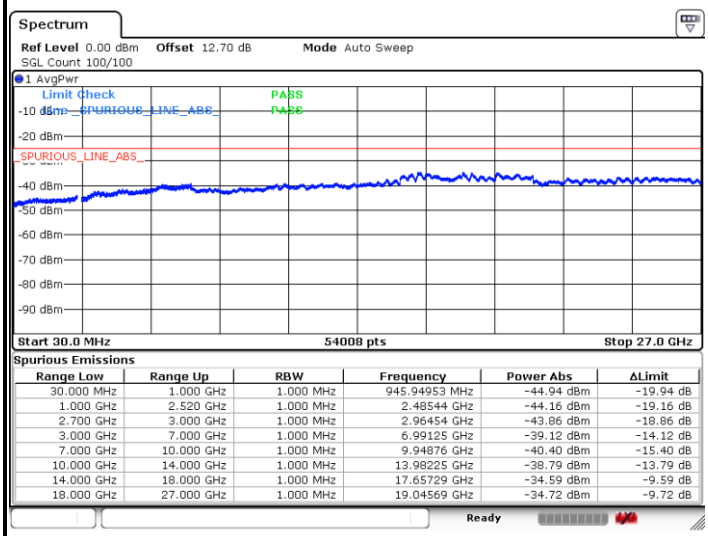


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	803.91554 MHz	-45.02 dBm	-20.02 dB
1.000 GHz	2.520 GHz	1.000 MHz	2.48240 GHz	-43.95 dBm	-18.95 dB
2.700 GHz	3.000 GHz	1.000 MHz	2.94670 GHz	-43.85 dBm	-18.85 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94776 GHz	-39.22 dBm	-14.22 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94676 GHz	-40.51 dBm	-15.51 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.98525 GHz	-38.79 dBm	-13.79 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.91101 GHz	-34.60 dBm	-9.60 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.99569 GHz	-34.78 dBm	-9.78 dB

Date: 8.AUG.2024 16:25:21

Highest Channel / 1RB1



Spurious Emissions

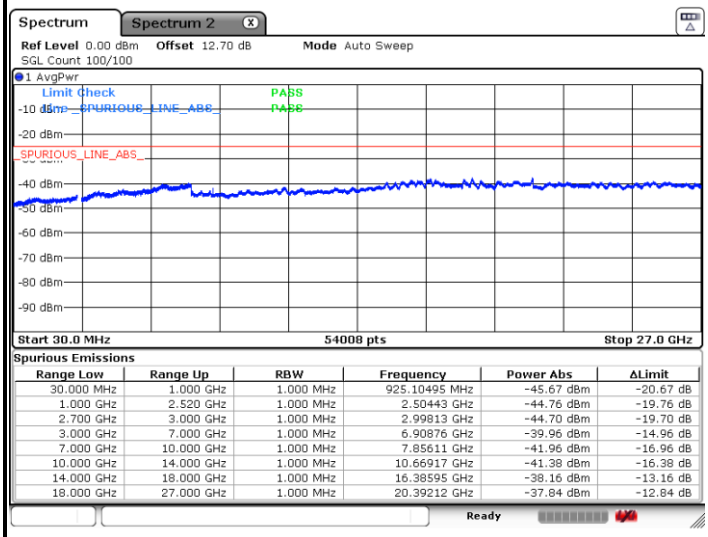
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	945.94953 MHz	-44.94 dBm	-19.94 dB
1.000 GHz	2.520 GHz	1.000 MHz	2.48544 GHz	-44.16 dBm	-19.16 dB
2.700 GHz	3.000 GHz	1.000 MHz	2.96454 GHz	-43.86 dBm	-18.86 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99125 GHz	-39.12 dBm	-14.12 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94876 GHz	-40.40 dBm	-15.40 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.98225 GHz	-38.79 dBm	-13.79 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.65729 GHz	-34.59 dBm	-9.59 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.04569 GHz	-34.72 dBm	-9.72 dB

Date: 8.AUG.2024 16:27:55

NA

FR1 n38 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

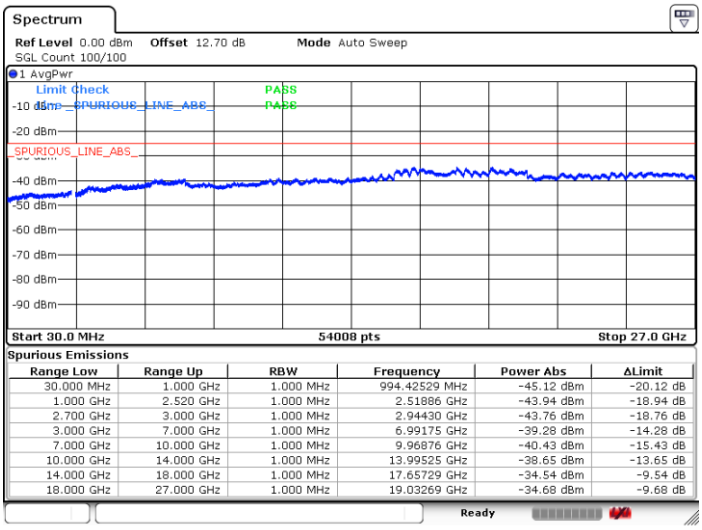


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	925.10495 MHz	-45.67 dBm	-20.67 dB
1.000 GHz	2.520 GHz	1.000 MHz	2.50443 GHz	-44.76 dBm	-19.76 dB
2.700 GHz	3.000 GHz	1.000 MHz	2.99813 GHz	-44.70 dBm	-19.70 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90876 GHz	-39.96 dBm	-14.96 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.85611 GHz	-41.96 dBm	-16.96 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.66917 GHz	-41.38 dBm	-16.38 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.38595 GHz	-38.16 dBm	-13.16 dB
18.000 GHz	27.000 GHz	1.000 MHz	20.39212 GHz	-37.84 dBm	-12.84 dB

Date: 31.JUL.2024 23:15:57

Middle Channel / 1RB1

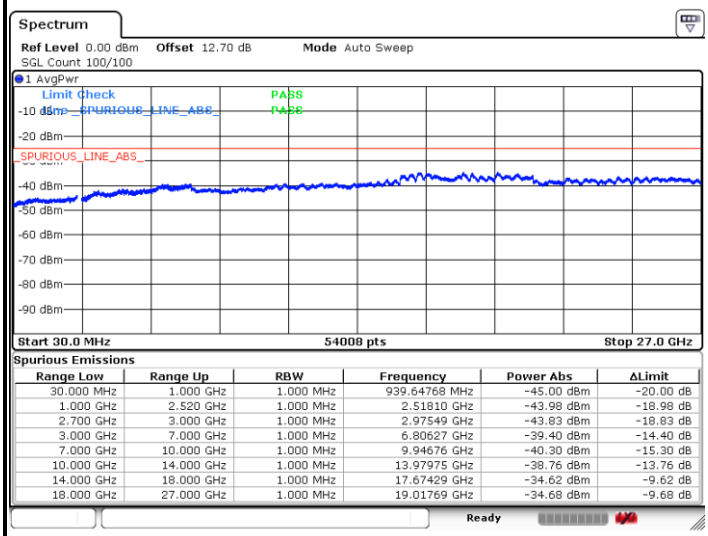


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.42529 MHz	-45.12 dBm	-20.12 dB
1.000 GHz	2.520 GHz	1.000 MHz	2.51886 GHz	-43.94 dBm	-18.94 dB
2.700 GHz	3.000 GHz	1.000 MHz	2.94430 GHz	-43.76 dBm	-18.76 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-39.28 dBm	-14.28 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.96876 GHz	-40.43 dBm	-15.43 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99525 GHz	-38.65 dBm	-13.65 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.65729 GHz	-34.54 dBm	-9.54 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.03269 GHz	-34.68 dBm	-9.68 dB

Date: 8.AUG.2024 16:26:11

Highest Channel / 1RB1



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	939.64768 MHz	-45.00 dBm	-20.00 dB
1.000 GHz	2.520 GHz	1.000 MHz	2.51810 GHz	-43.98 dBm	-18.98 dB
2.700 GHz	3.000 GHz	1.000 MHz	2.97549 GHz	-43.83 dBm	-18.83 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80627 GHz	-39.40 dBm	-14.40 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94676 GHz	-40.30 dBm	-15.30 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.97975 GHz	-38.76 dBm	-13.76 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.67429 GHz	-34.62 dBm	-9.62 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.01769 GHz	-34.68 dBm	-9.68 dB

Date: 8.AUG.2024 16:28:45

NA

Frequency Stability

Test Conditions		FR1 n38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0028	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0017	

Note:

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.3 V.

2. Note: The frequency fundamental emissions stay within the authorized frequency block.