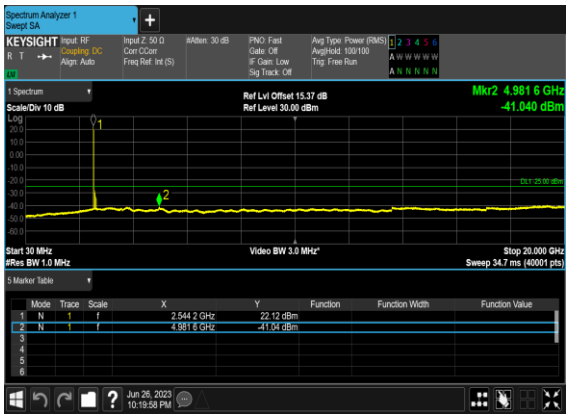
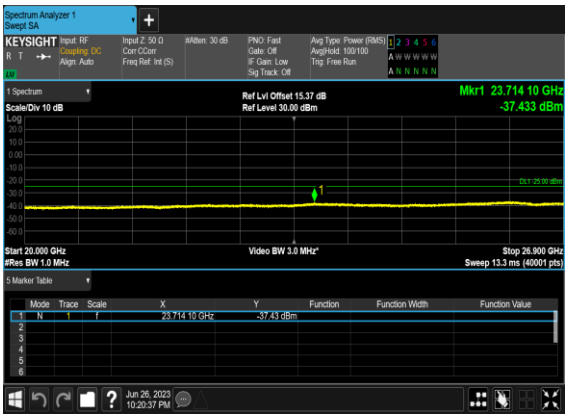
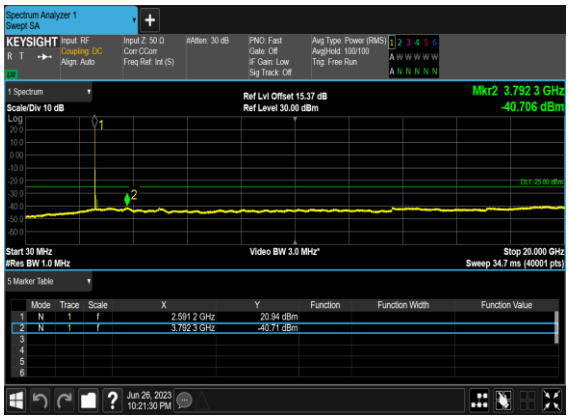
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



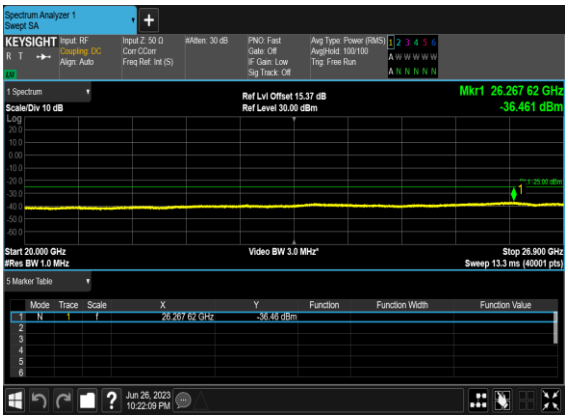
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



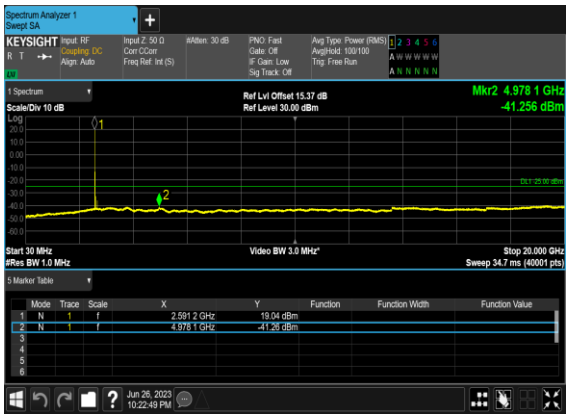
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



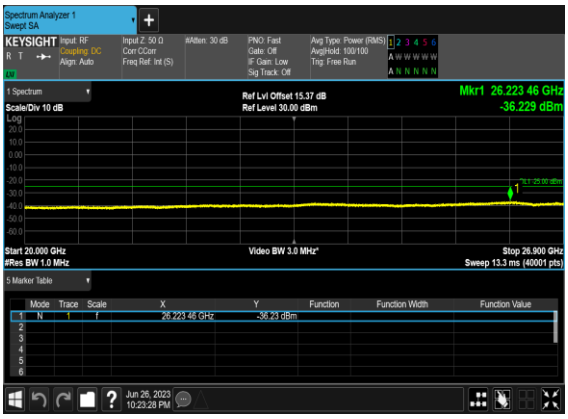
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



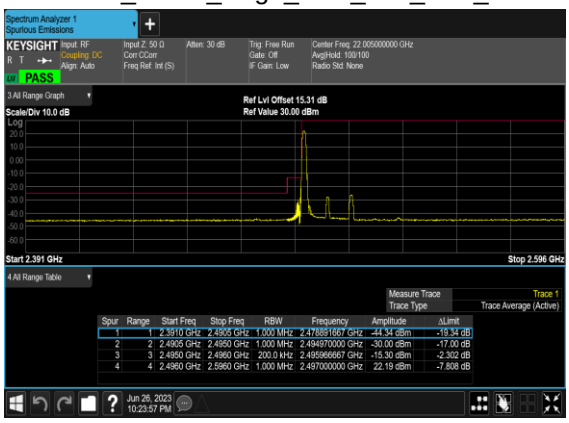
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



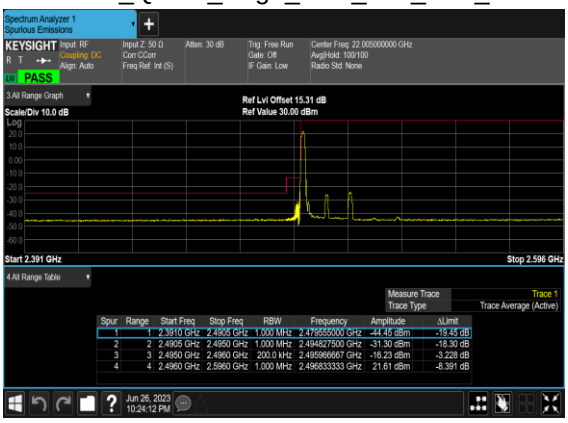
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	20	501204	2506.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	20	501204	2506.02	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
41	30	20	535998	2679.99	DFT-s-OFDM BPSK	1@50	see graph	**PASS**
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	1@50	see graph	**PASS**
41	30	20	535998	2679.99	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	50@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	**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	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**

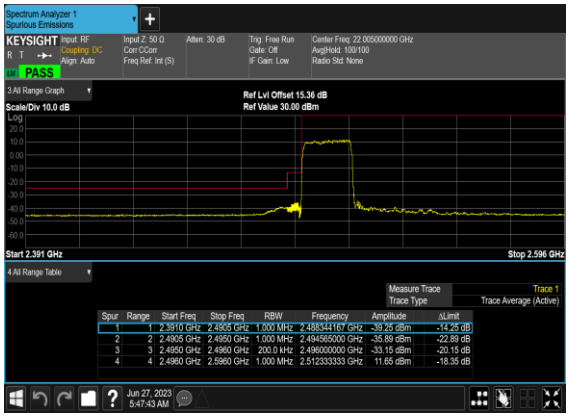
N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



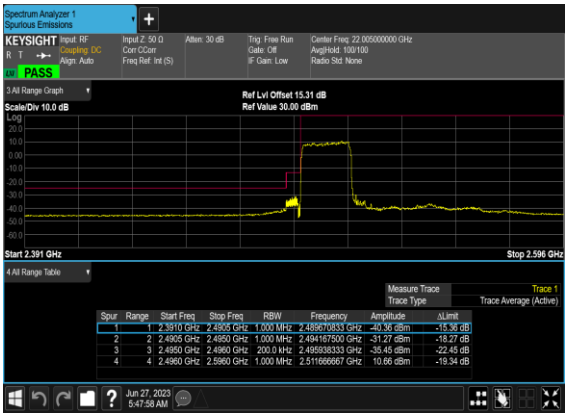
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



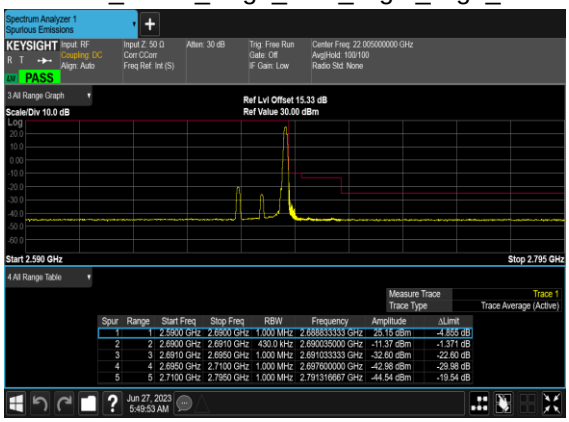
N41(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



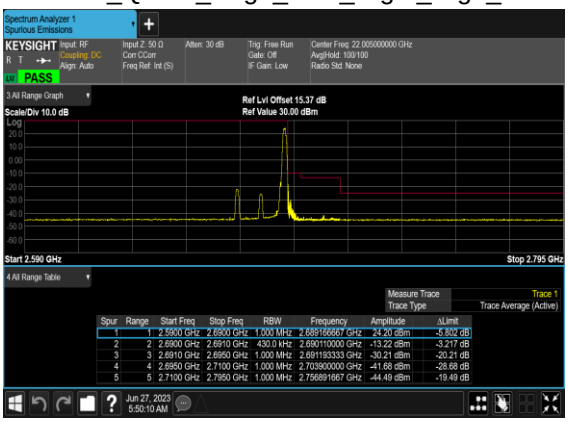
N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



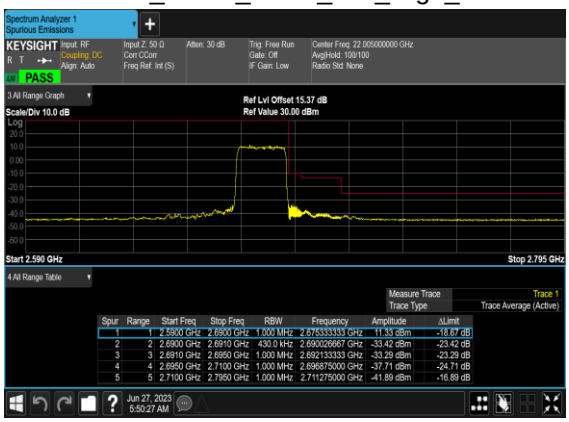
N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



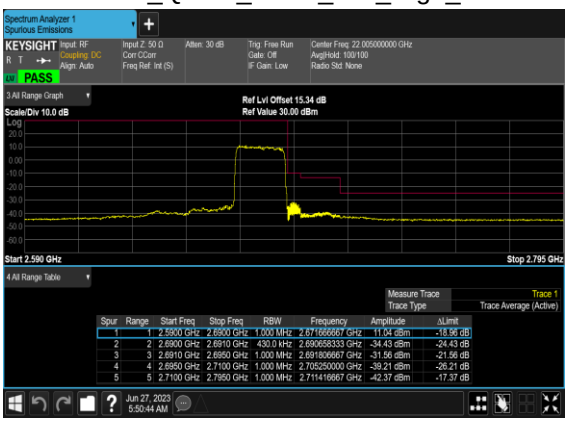
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N41(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

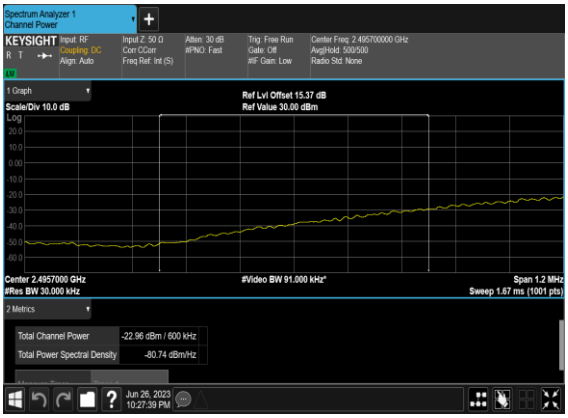


N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



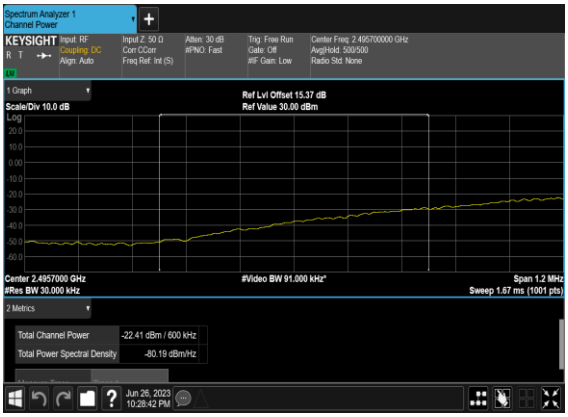
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**

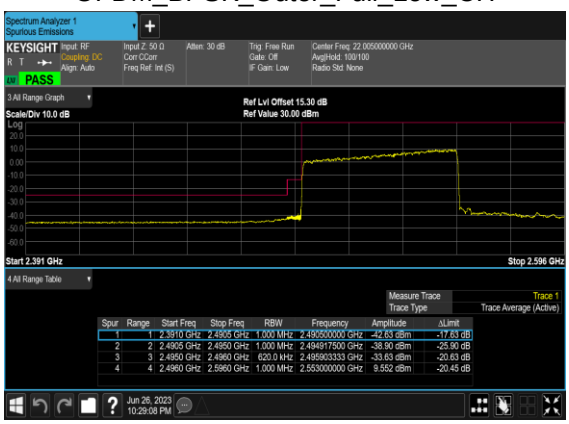


N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

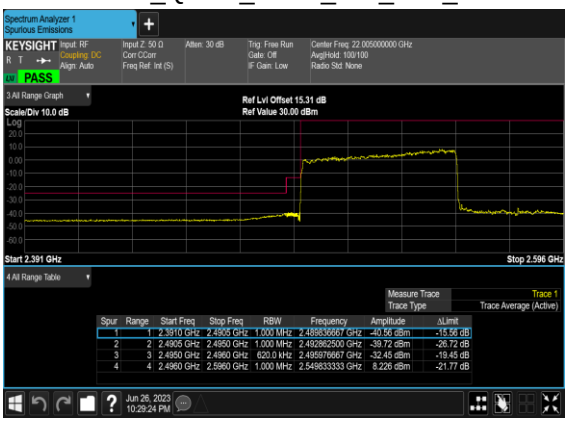
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**



N41(60M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

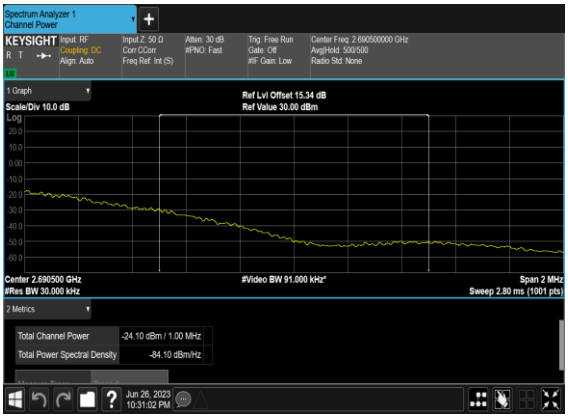


N41(60M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



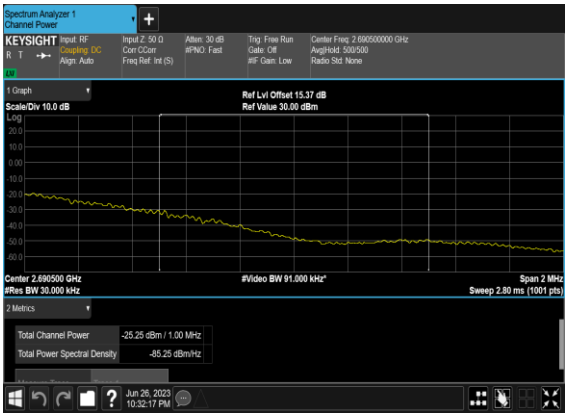
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

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

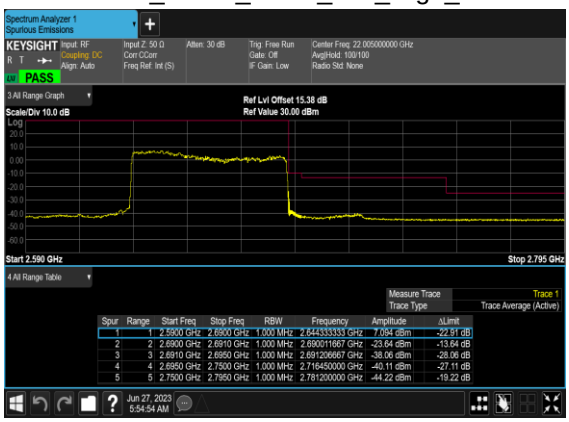


N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

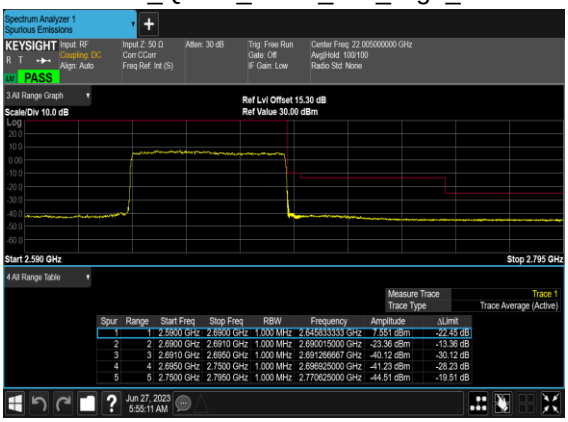
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_**CHP_PASS**



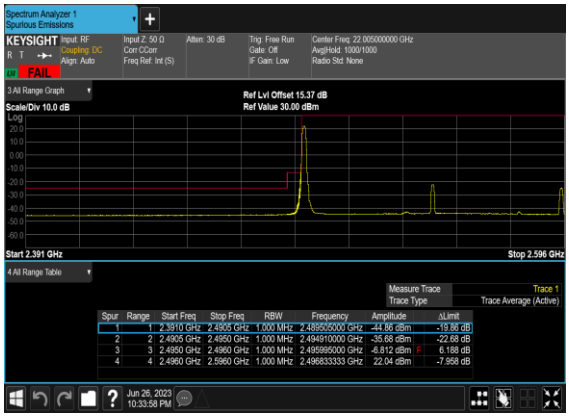
N41(60M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



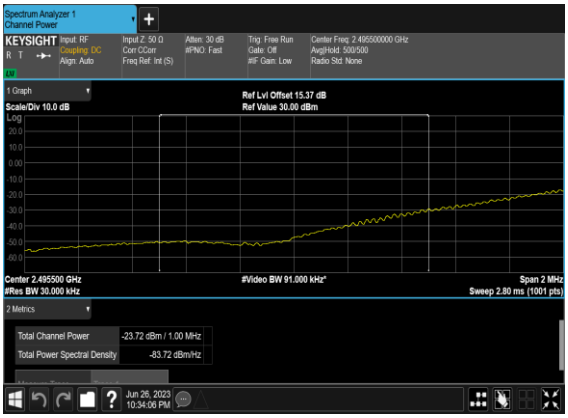
N41(60M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



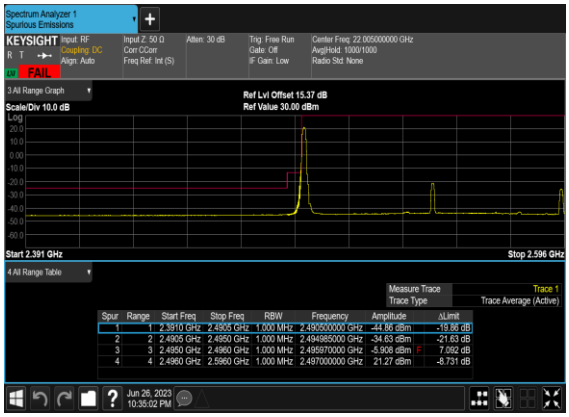
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



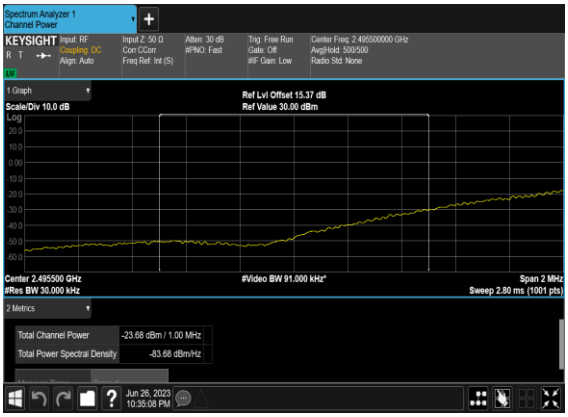
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_**CHP**_**PASS**



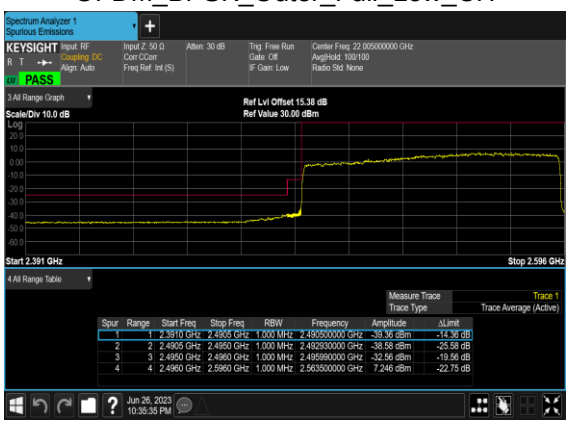
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



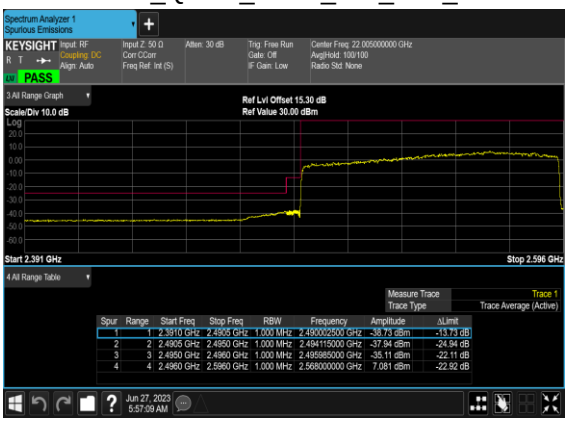
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_**CHP**_**PASS**



N41(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



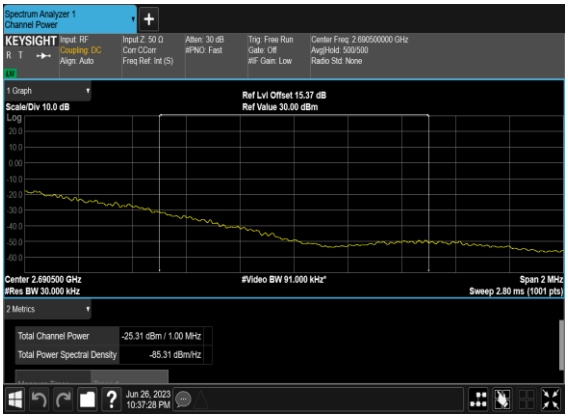
N41(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



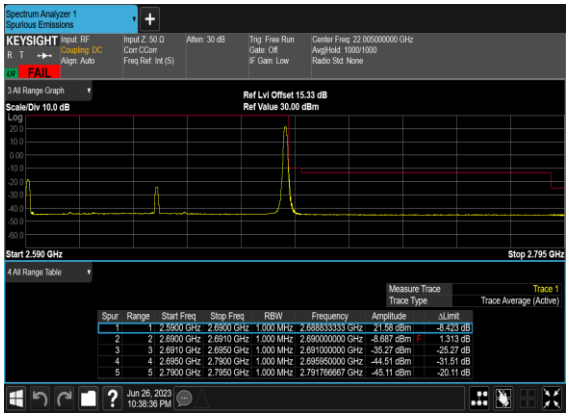
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_

CHP_PASS

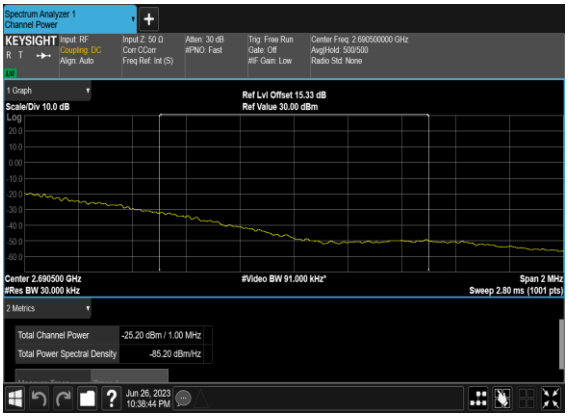


N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

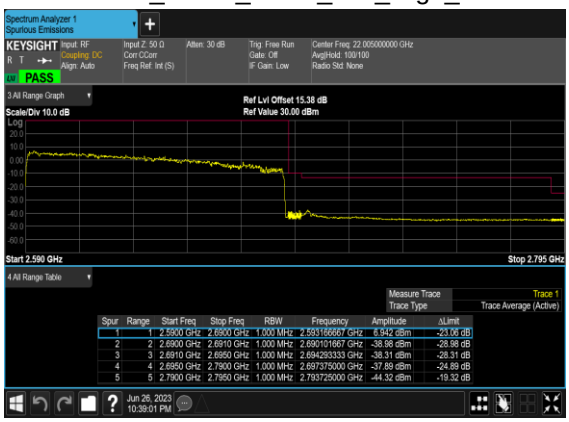


N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_

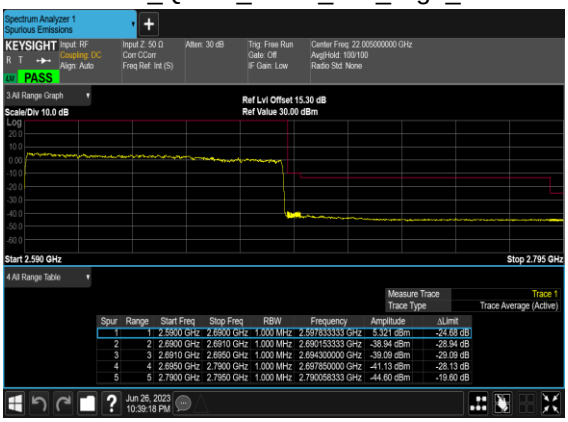
CHP_PASS



N41(100M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N41(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 23.04.2601

FR1 N66 (Ant.0)

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=-3.0dB

NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@1	23.73	20.73	0.1183
66	15	5	342500	1712.5	DFT-s-OFDM 16 QAM	1@1	22.71	19.71	0.0935
66	15	5	349000	1745	DFT-s-OFDM QPSK	1@1	23.56	20.56	0.1138
66	15	5	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.7	19.7	0.0933
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@1	23.71	20.71	0.1178
66	15	5	355500	1777.5	DFT-s-OFDM 16 QAM	1@1	22.89	19.89	0.0975
66	15	10	343000	1715	DFT-s-OFDM QPSK	1@1	23.71	20.71	0.1178
66	15	10	343000	1715	DFT-s-OFDM 16 QAM	1@1	22.75	19.75	0.0944
66	15	10	349000	1745	DFT-s-OFDM QPSK	1@1	23.7	20.7	0.1175
66	15	10	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.71	19.71	0.0935
66	15	10	355000	1775	DFT-s-OFDM QPSK	1@1	23.87	20.87	0.1222
66	15	10	355000	1775	DFT-s-OFDM 16 QAM	1@1	22.88	19.88	0.0973
66	15	15	343500	1717.5	DFT-s-OFDM QPSK	1@1	23.73	20.73	0.1183
66	15	15	343500	1717.5	DFT-s-OFDM 16 QAM	1@1	22.64	19.64	0.0920
66	15	15	349000	1745	DFT-s-OFDM QPSK	1@1	23.73	20.73	0.1183
66	15	15	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.72	19.72	0.0938
66	15	15	354500	1772.5	DFT-s-OFDM QPSK	1@1	23.79	20.79	0.1199
66	15	15	354500	1772.5	DFT-s-OFDM 16 QAM	1@1	22.71	19.71	0.0935
66	15	20	344000	1720	DFT-s-OFDM QPSK	1@1	23.69	20.69	0.1172
66	15	20	344000	1720	DFT-s-OFDM 16 QAM	1@1	22.66	19.66	0.0925
66	15	20	349000	1745	DFT-s-OFDM QPSK	1@1	23.6	20.6	0.1148
66	15	20	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.65	19.65	0.0923
66	15	20	354000	1770	DFT-s-OFDM QPSK	1@1	23.84	20.84	0.1213
66	15	20	354000	1770	DFT-s-OFDM 16 QAM	1@1	22.82	19.82	0.0959
66	15	30	345000	1725	DFT-s-OFDM QPSK	1@1	23.78	20.78	0.1197
66	15	30	345000	1725	DFT-s-OFDM 16 QAM	1@1	22.63	19.63	0.0918
66	15	30	349000	1745	DFT-s-OFDM QPSK	1@1	23.83	20.83	0.1211
66	15	30	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.66	19.66	0.0925
66	15	30	353000	1765	DFT-s-OFDM QPSK	1@1	23.8	20.8	0.1202
66	15	30	353000	1765	DFT-s-OFDM 16 QAM	1@1	22.77	19.77	0.0948
66	15	40	346000	1730	DFT-s-OFDM PI/2 BPSK	108@54	23.62	20.62	0.1153
66	15	40	346000	1730	DFT-s-OFDM PI/2 BPSK	1@1	23.42	20.42	0.1102
66	15	40	346000	1730	DFT-s-OFDM PI/2 BPSK	1@214	23.61	20.61	0.1151
66	15	40	346000	1730	DFT-s-OFDM QPSK	108@54	23.62	20.62	0.1153
66	15	40	346000	1730	DFT-s-OFDM QPSK	1@1	23.68	20.68	0.1169
66	15	40	346000	1730	DFT-s-OFDM QPSK	1@214	23.73	20.73	0.1183
66	15	40	346000	1730	DFT-s-OFDM 16 QAM	108@54	22.64	19.64	0.0920
66	15	40	346000	1730	DFT-s-OFDM 16 QAM	1@1	22.63	19.63	0.0918
66	15	40	346000	1730	DFT-s-OFDM 16 QAM	1@214	22.72	19.72	0.0938
66	15	40	346000	1730	DFT-s-OFDM 64 QAM	108@54	21.11	18.11	0.0647

66	15	40	346000	1730	DFT-s-OFDM 64 QAM	1@1	21.15	18.15	0.0653
66	15	40	346000	1730	DFT-s-OFDM 64 QAM	1@214	21.25	18.25	0.0668
66	15	40	346000	1730	DFT-s-OFDM 256 QAM	108@54	19.12	16.12	0.0409
66	15	40	346000	1730	DFT-s-OFDM 256 QAM	1@1	18.73	15.73	0.0374
66	15	40	346000	1730	DFT-s-OFDM 256 QAM	1@214	18.98	15.98	0.0396
66	15	40	346000	1730	CP-OFDM QPSK	108@54	22.09	19.09	0.0811
66	15	40	346000	1730	CP-OFDM QPSK	1@1	22.15	19.15	0.0822
66	15	40	346000	1730	CP-OFDM QPSK	1@214	22.2	19.2	0.0832
66	15	40	349000	1745	DFT-s-OFDM PI/2 BPSK	108@54	23.66	20.66	0.1164
66	15	40	349000	1745	DFT-s-OFDM PI/2 BPSK	1@1	23.47	20.47	0.1114
66	15	40	349000	1745	DFT-s-OFDM PI/2 BPSK	1@214	23.68	20.68	0.1169
66	15	40	349000	1745	DFT-s-OFDM QPSK	108@54	23.67	20.67	0.1167
66	15	40	349000	1745	DFT-s-OFDM QPSK	1@1	23.68	20.68	0.1169
66	15	40	349000	1745	DFT-s-OFDM QPSK	1@214	**23.91**	20.91	0.1233
66	15	40	349000	1745	DFT-s-OFDM 16 QAM	108@54	22.69	19.69	0.0931
66	15	40	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.64	19.64	0.0920
66	15	40	349000	1745	DFT-s-OFDM 16 QAM	1@214	22.86	19.86	0.0968
66	15	40	349000	1745	DFT-s-OFDM 64 QAM	108@54	21.17	18.17	0.0656
66	15	40	349000	1745	DFT-s-OFDM 64 QAM	1@1	21.2	18.2	0.0661
66	15	40	349000	1745	DFT-s-OFDM 64 QAM	1@214	21.39	18.39	0.0690
66	15	40	349000	1745	DFT-s-OFDM 256 QAM	108@54	19.16	16.16	0.0413
66	15	40	349000	1745	DFT-s-OFDM 256 QAM	1@1	18.82	15.82	0.0382
66	15	40	349000	1745	DFT-s-OFDM 256 QAM	1@214	19.11	16.11	0.0408
66	15	40	349000	1745	CP-OFDM QPSK	108@54	22.14	19.14	0.0820
66	15	40	349000	1745	CP-OFDM QPSK	1@1	22.19	19.19	0.0830
66	15	40	349000	1745	CP-OFDM QPSK	1@214	21.91	18.91	0.0778
66	15	40	352000	1760	DFT-s-OFDM PI/2 BPSK	108@54	23.76	20.76	0.1191
66	15	40	352000	1760	DFT-s-OFDM PI/2 BPSK	1@1	23.48	20.48	0.1117
66	15	40	352000	1760	DFT-s-OFDM PI/2 BPSK	1@214	23.57	20.57	0.1140
66	15	40	352000	1760	DFT-s-OFDM QPSK	108@54	23.75	20.75	0.1189
66	15	40	352000	1760	DFT-s-OFDM QPSK	1@1	23.75	20.75	0.1189
66	15	40	352000	1760	DFT-s-OFDM QPSK	1@214	23.75	20.75	0.1189
66	15	40	352000	1760	DFT-s-OFDM 16 QAM	108@54	22.76	19.76	0.0946
66	15	40	352000	1760	DFT-s-OFDM 16 QAM	1@1	22.66	19.66	0.0925
66	15	40	352000	1760	DFT-s-OFDM 16 QAM	1@214	22.82	19.82	0.0959
66	15	40	352000	1760	DFT-s-OFDM 64 QAM	108@54	21.2	18.2	0.0661
66	15	40	352000	1760	DFT-s-OFDM 64 QAM	1@1	21.23	18.23	0.0665
66	15	40	352000	1760	DFT-s-OFDM 64 QAM	1@214	21.3	18.3	0.0676
66	15	40	352000	1760	DFT-s-OFDM 256 QAM	108@54	19.15	16.15	0.0412
66	15	40	352000	1760	DFT-s-OFDM 256 QAM	1@1	18.78	15.78	0.0378
66	15	40	352000	1760	DFT-s-OFDM 256 QAM	1@214	19.12	16.12	0.0409
66	15	40	352000	1760	CP-OFDM QPSK	108@54	22.19	19.19	0.0830
66	15	40	352000	1760	CP-OFDM QPSK	1@1	22.18	19.18	0.0828
66	15	40	352000	1760	CP-OFDM QPSK	1@214	22.27	19.27	0.0845

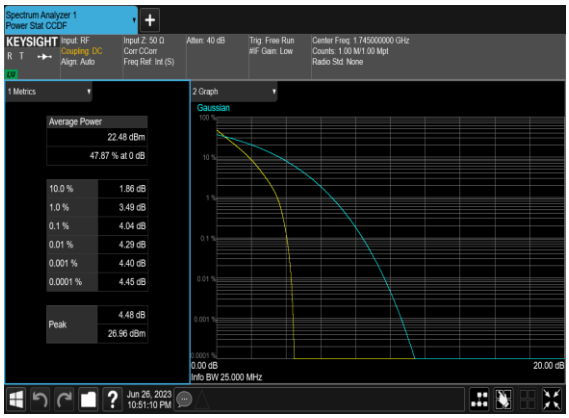
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0023	**PASS**	NV
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0029	**PASS**	LV
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0046	**PASS**	HV
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0046	**PASS**	-30℃
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0061	**PASS**	-20℃
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0034	**PASS**	-10℃
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0067	**PASS**	0℃
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0042	**PASS**	10℃
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0023	**PASS**	20℃
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0042	**PASS**	30℃
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0052	**PASS**	40℃
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0031	**PASS**	50℃

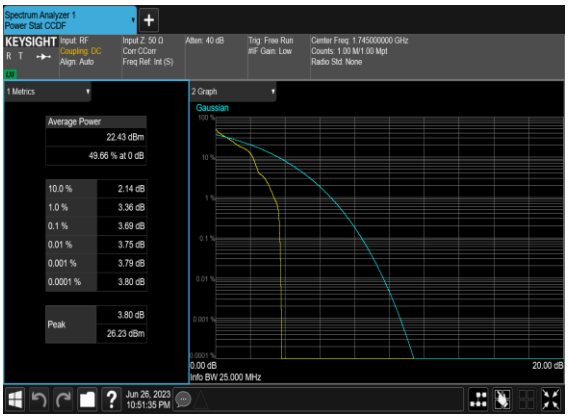
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
66	15	20	349000	1745.0	DFT-s-OFDM PI/2 BPSK	100@0	4.04	13	**PASS**
66	15	20	349000	1745.0	DFT-s-OFDM PI/2 BPSK	1@0	3.69	13	**PASS**
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	5.28	13	**PASS**
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	1@0	5.24	13	**PASS**

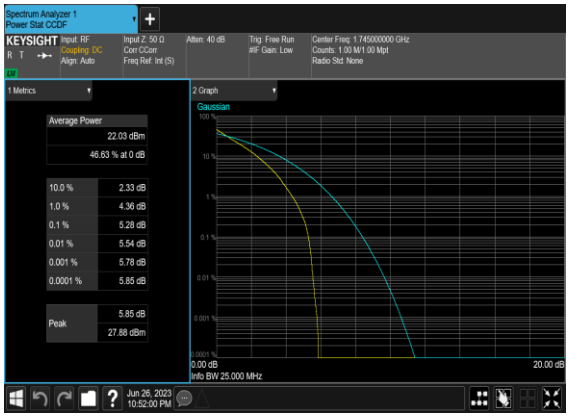
N66(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



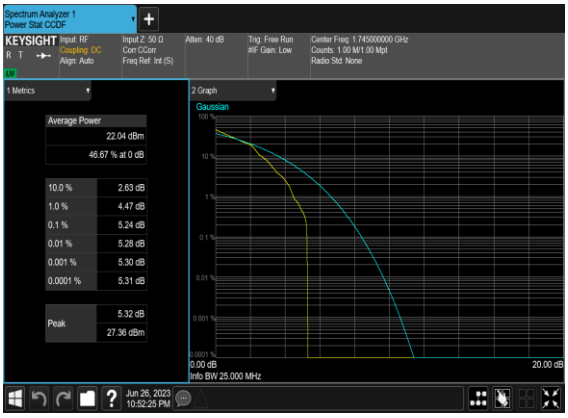
N66(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

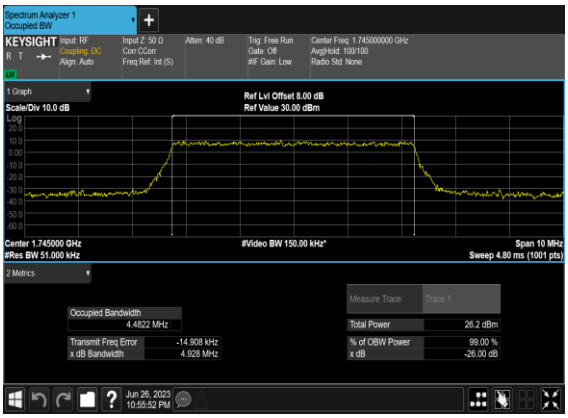


Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
66	15	5	349000	1745.0	CP-OFDM QPSK	25@0	4.4641	4.928
66	15	5	349000	1745.0	CP-OFDM 16 QAM	25@0	4.4822	4.928
66	15	5	349000	1745.0	CP-OFDM 64 QAM	25@0	4.4657	4.869
66	15	5	349000	1745.0	CP-OFDM 256 QAM	25@0	4.4729	4.922
66	15	10	349000	1745.0	CP-OFDM QPSK	52@0	9.2715	9.884
66	15	10	349000	1745.0	CP-OFDM 16 QAM	52@0	9.263	9.819
66	15	10	349000	1745.0	CP-OFDM 64 QAM	52@0	9.272	9.749
66	15	10	349000	1745.0	CP-OFDM 256 QAM	52@0	9.2783	9.849
66	15	15	349000	1745.0	CP-OFDM QPSK	79@0	14.095	14.79
66	15	15	349000	1745.0	CP-OFDM 16 QAM	79@0	14.083	14.75
66	15	15	349000	1745.0	CP-OFDM 64 QAM	79@0	14.099	14.8
66	15	15	349000	1745.0	CP-OFDM 256 QAM	79@0	14.074	14.86
66	15	20	349000	1745.0	CP-OFDM QPSK	106@0	18.916	19.71
66	15	20	349000	1745.0	CP-OFDM 16 QAM	106@0	18.922	19.66
66	15	20	349000	1745.0	CP-OFDM 64 QAM	106@0	18.946	19.73
66	15	20	349000	1745.0	CP-OFDM 256 QAM	106@0	18.903	19.65
66	15	30	349000	1745.0	CP-OFDM QPSK	160@0	28.52	29.69
66	15	30	349000	1745.0	CP-OFDM 16 QAM	160@0	28.557	29.52
66	15	30	349000	1745.0	CP-OFDM 64 QAM	160@0	28.552	29.54
66	15	30	349000	1745.0	CP-OFDM 256 QAM	160@0	28.584	29.53
66	15	40	349000	1745.0	CP-OFDM QPSK	216@0	38.542	39.91
66	15	40	349000	1745.0	CP-OFDM 16 QAM	216@0	38.509	39.84
66	15	40	349000	1745.0	CP-OFDM 64 QAM	216@0	38.555	39.82
66	15	40	349000	1745.0	CP-OFDM 256 QAM	216@0	38.556	39.83

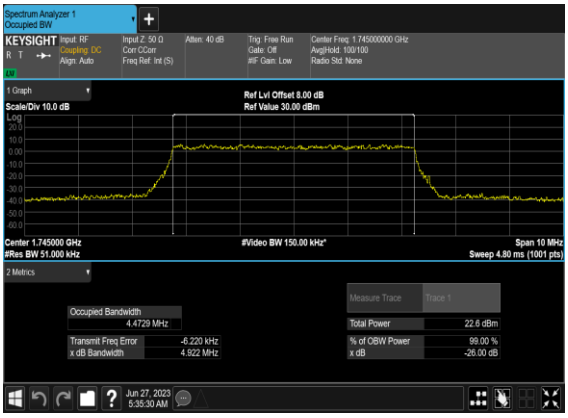
N66(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N66(5M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N66(5M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

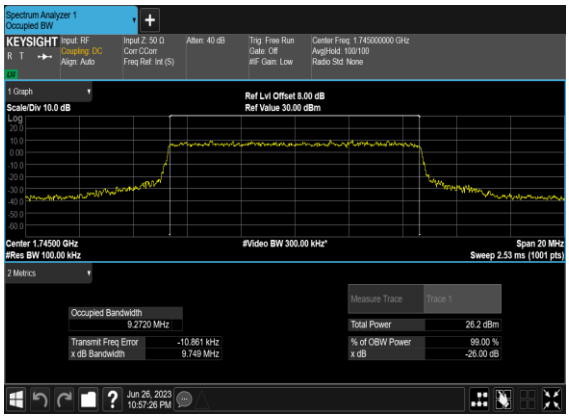
N66(5M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



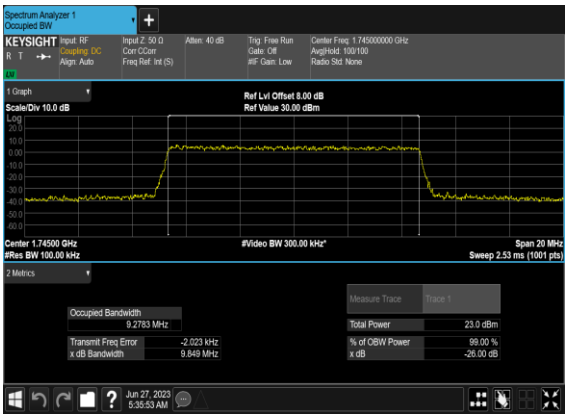
N66(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N66(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

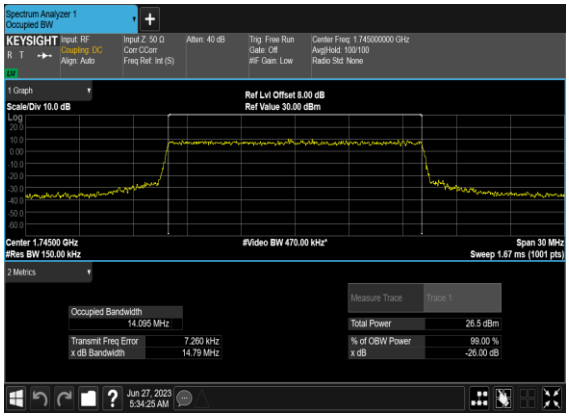
N66(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



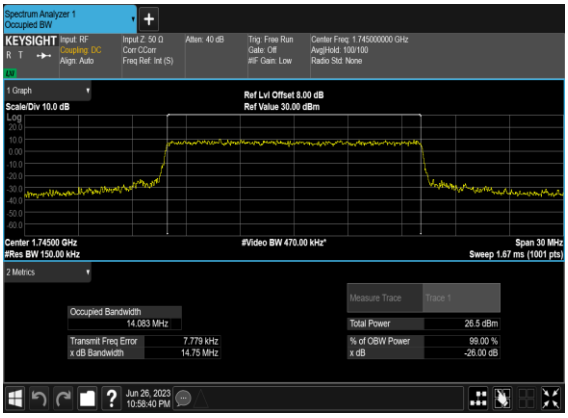
N66(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N66(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

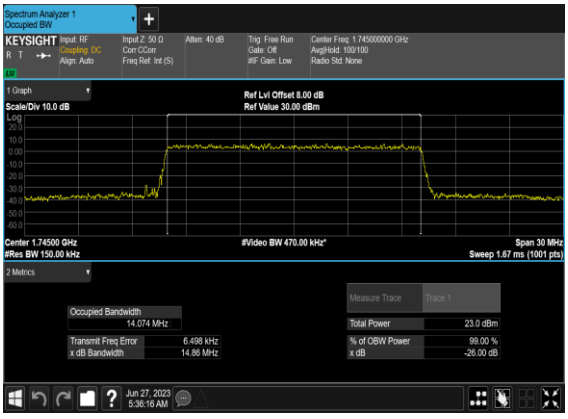


N66(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

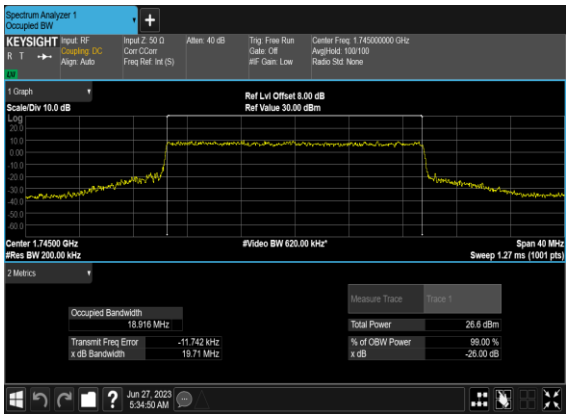


N66(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

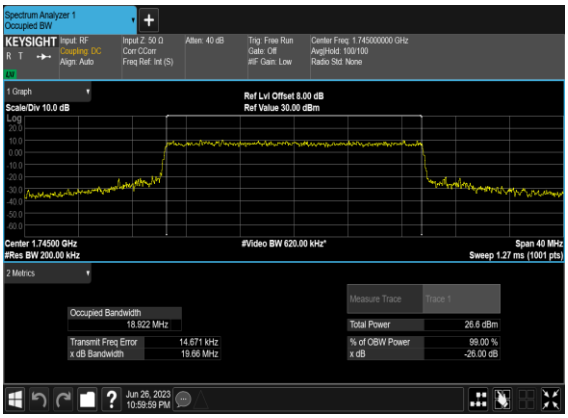
N66(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N66(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

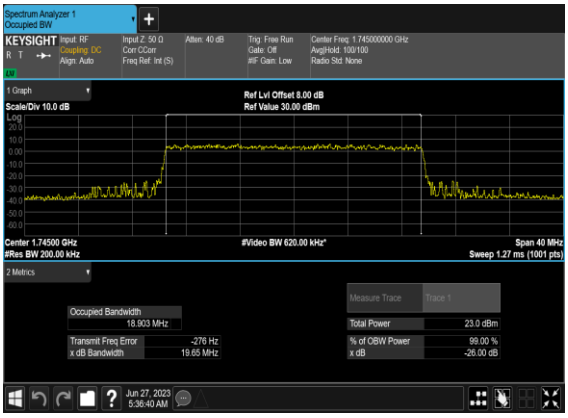


N66(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

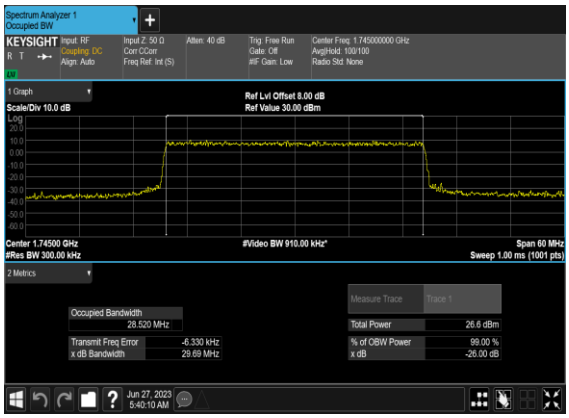


N66(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

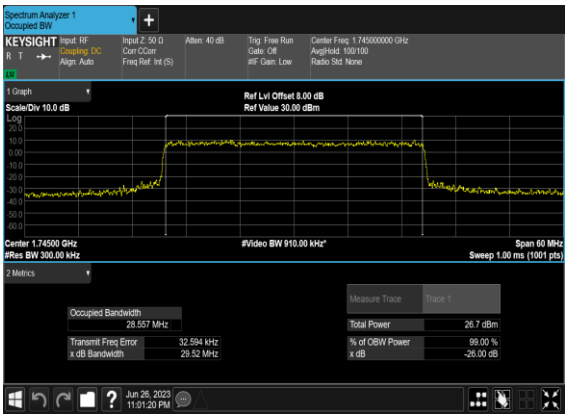
N66(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



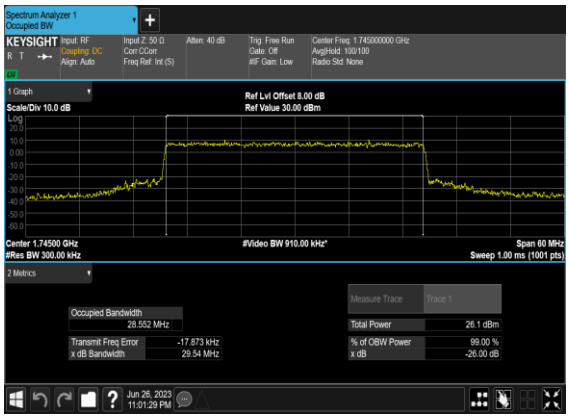
N66(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



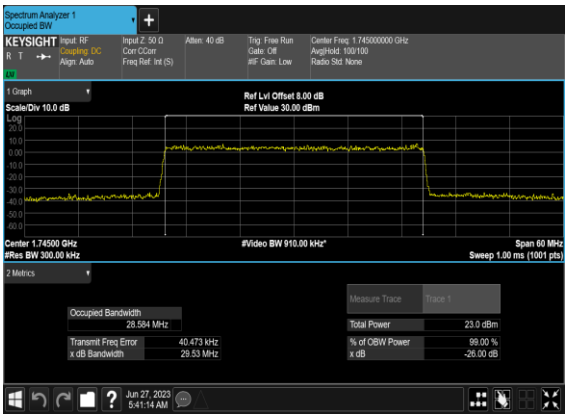
N66(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



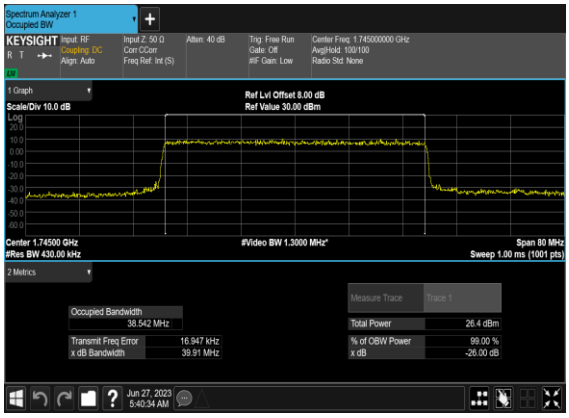
N66(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



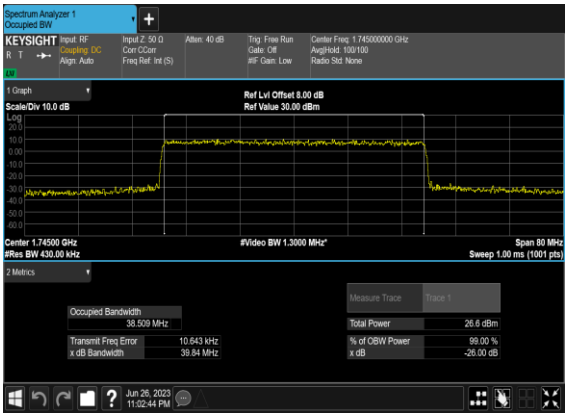
N66(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



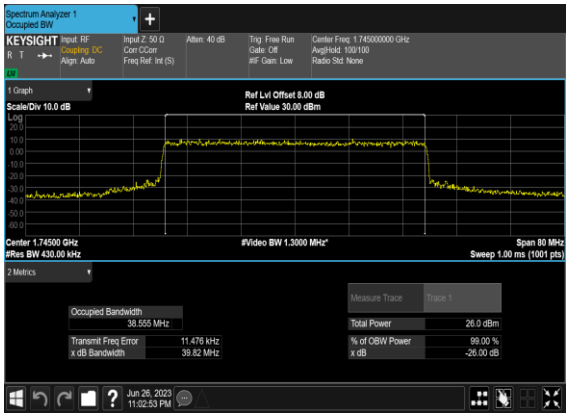
N66(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



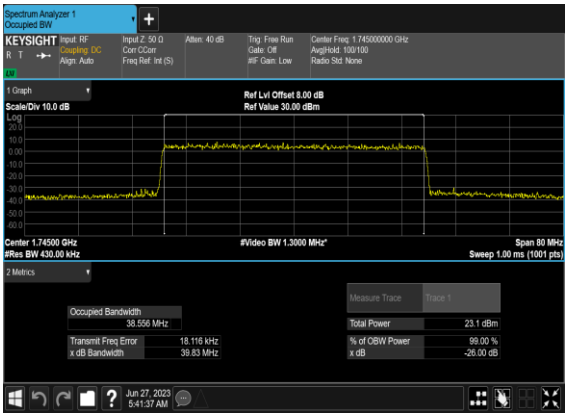
N66(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N66(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N66(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

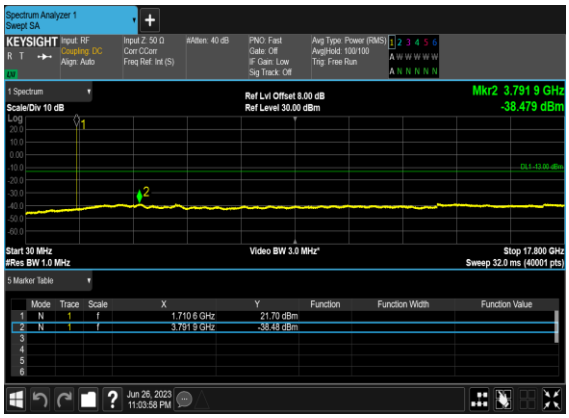


Conducted Spurious Emissions

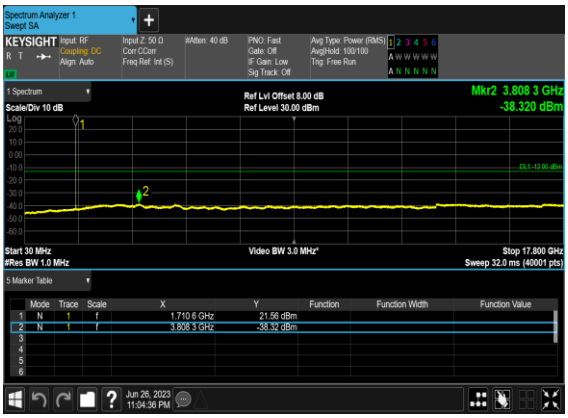
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	5	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
66	15	5	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	5	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
66	15	5	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	5	355500	1777.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
66	15	5	355500	1777.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	20	344000	1720.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
66	15	20	344000	1720.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	20	344000	1720.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
66	15	20	344000	1720.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	20	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
66	15	20	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	20	354000	1770.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
66	15	20	354000	1770.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**

66	15	20	354000	1770.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
66	15	20	354000	1770.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	40	346000	1730.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
66	15	40	346000	1730.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	40	346000	1730.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
66	15	40	346000	1730.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	40	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
66	15	40	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	40	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
66	15	40	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	40	352000	1760.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
66	15	40	352000	1760.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	40	352000	1760.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
66	15	40	352000	1760.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

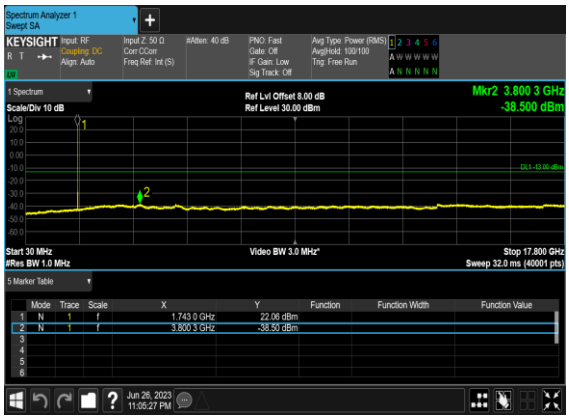
N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



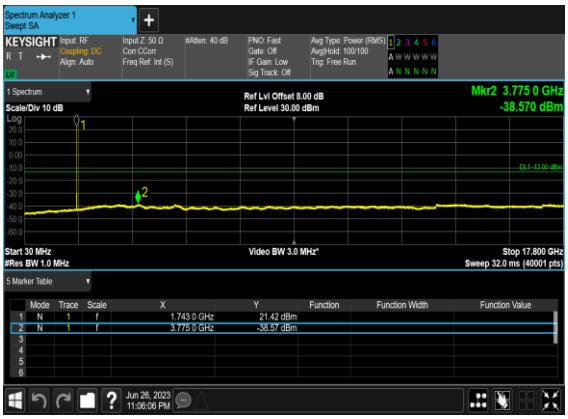
N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



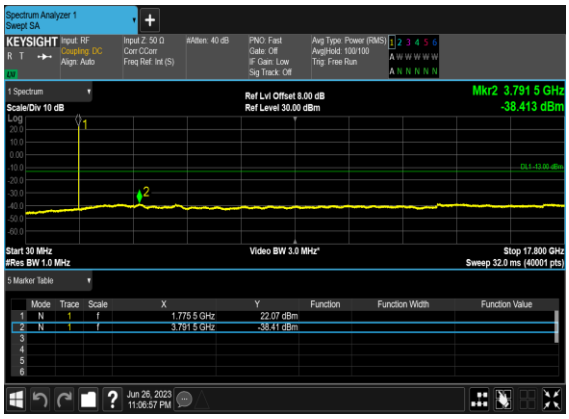
N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



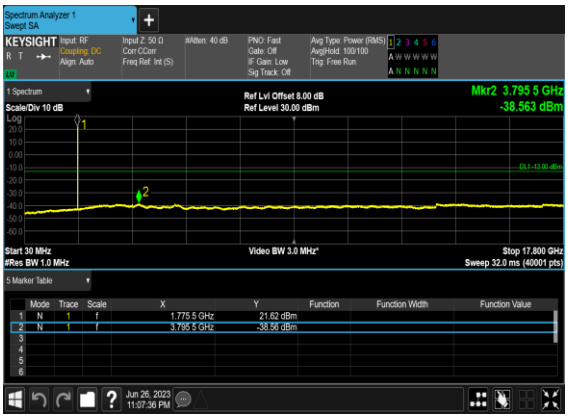
N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



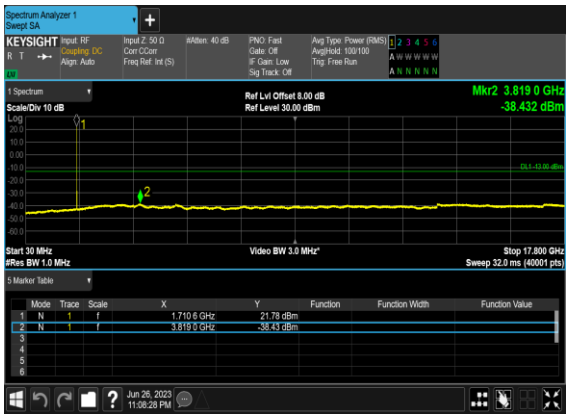
N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



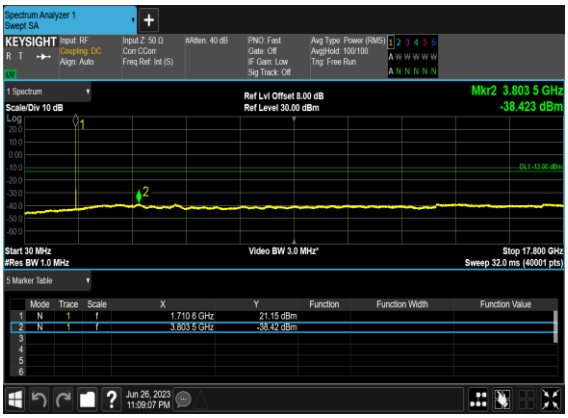
N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



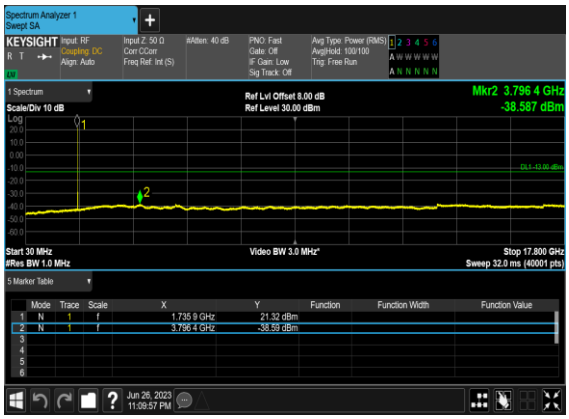
N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



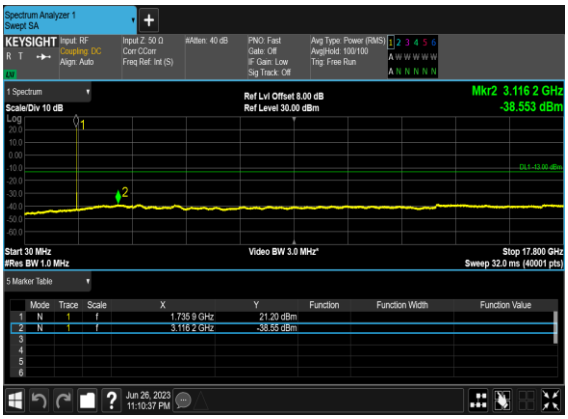
N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



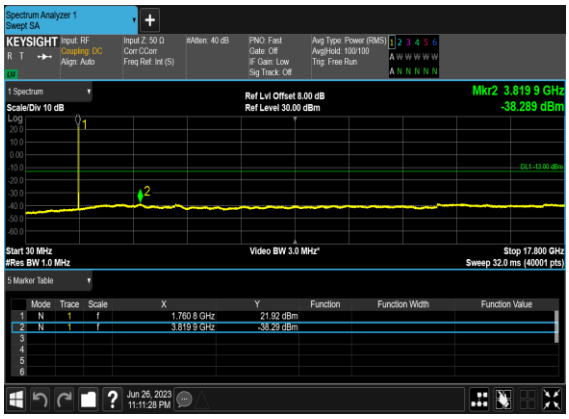
N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



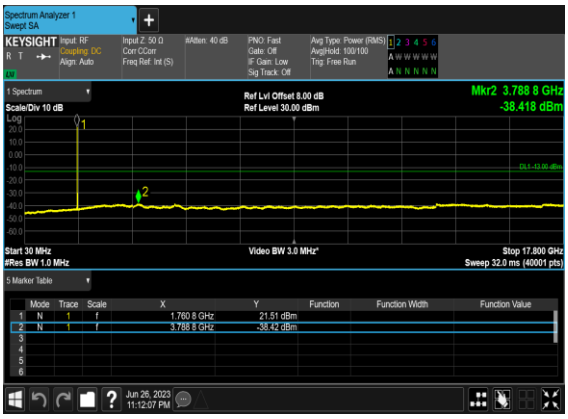
N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



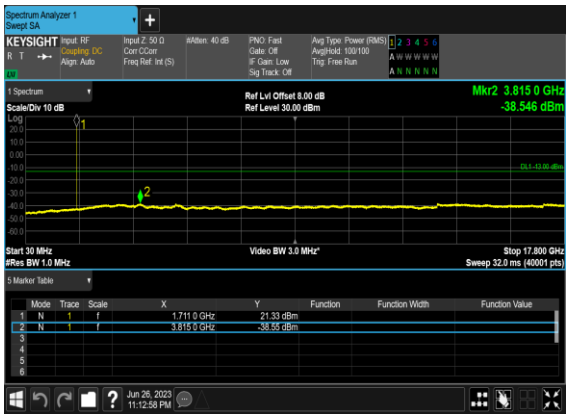
N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



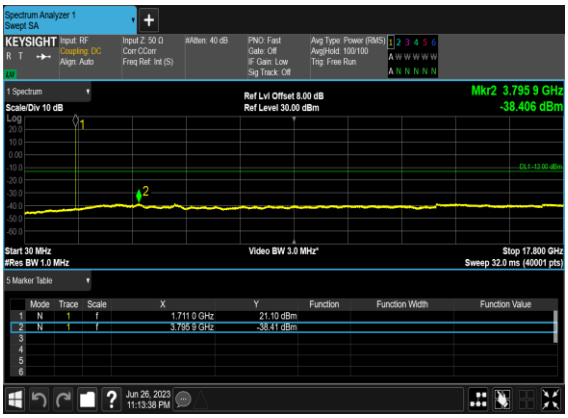
N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



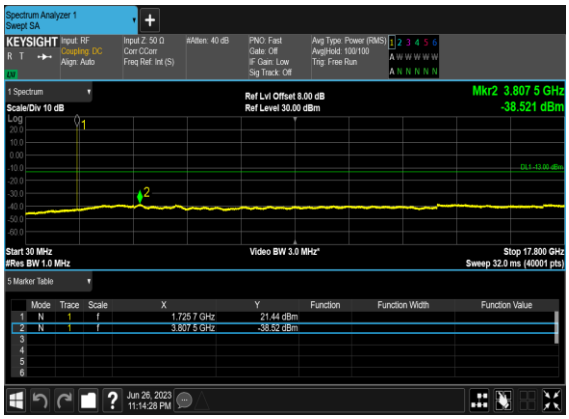
N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



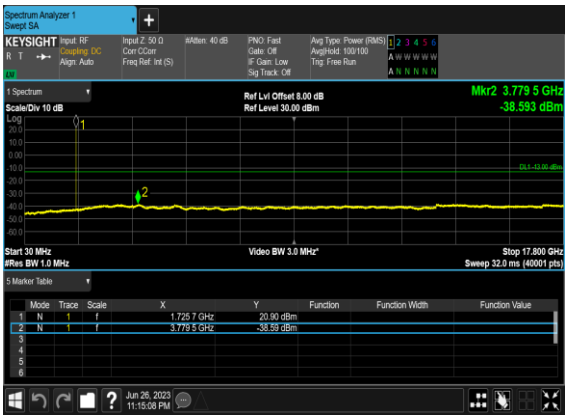
N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



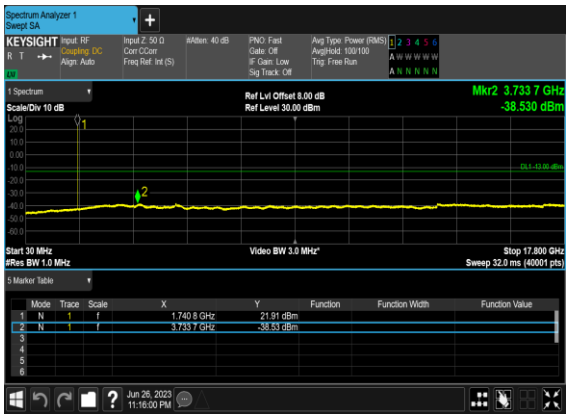
N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



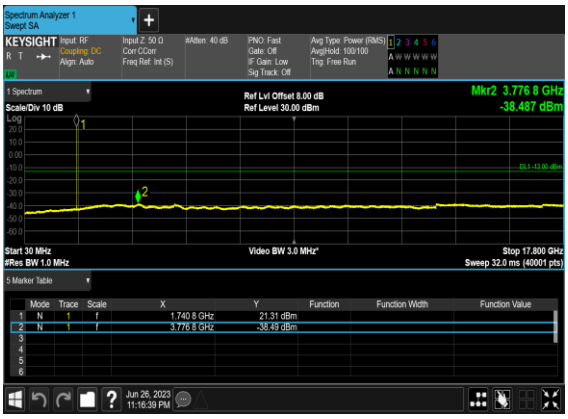
N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



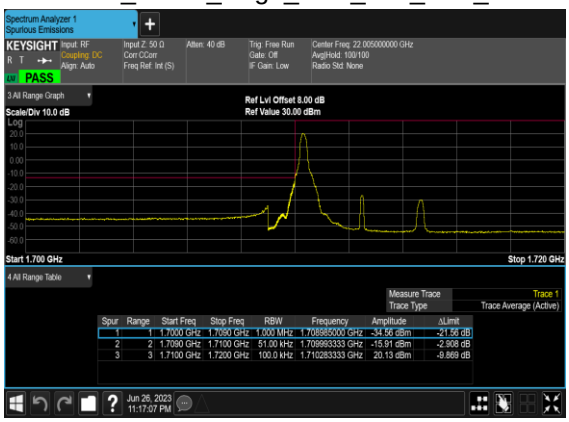
N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



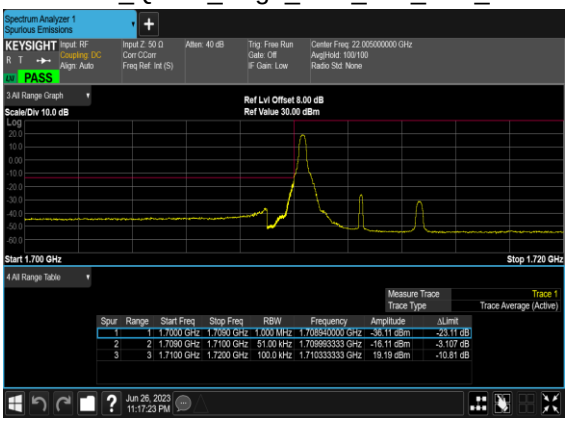
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
66	15	5	355500	1777.5	DFT-s-OFDM BPSK	1@24	see graph	**PASS**
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@24	see graph	**PASS**
66	15	5	355500	1777.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
66	15	20	344000	1720.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	20	344000	1720.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	20	344000	1720.0	DFT-s-OFDM BPSK	100@0	see graph	**PASS**
66	15	20	344000	1720.0	DFT-s-OFDM QPSK	100@0	see graph	**PASS**
66	15	20	354000	1770.0	DFT-s-OFDM BPSK	1@105	see graph	**PASS**
66	15	20	354000	1770.0	DFT-s-OFDM QPSK	1@105	see graph	**PASS**
66	15	20	354000	1770.0	DFT-s-OFDM BPSK	100@0	see graph	**PASS**
66	15	20	354000	1770.0	DFT-s-OFDM QPSK	100@0	see graph	**PASS**
66	15	40	346000	1730.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	40	346000	1730.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	40	346000	1730.0	DFT-s-OFDM BPSK	216@0	see graph	**PASS**
66	15	40	346000	1730.0	DFT-s-OFDM QPSK	216@0	see graph	**PASS**
66	15	40	352000	1760.0	DFT-s-OFDM BPSK	1@215	see graph	**PASS**
66	15	40	352000	1760.0	DFT-s-OFDM QPSK	1@215	see graph	**PASS**
66	15	40	352000	1760.0	DFT-s-OFDM BPSK	216@0	see graph	**PASS**
66	15	40	352000	1760.0	DFT-s-OFDM QPSK	216@0	see graph	**PASS**

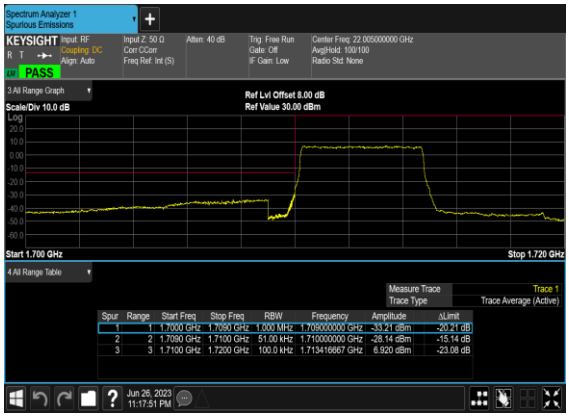
N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



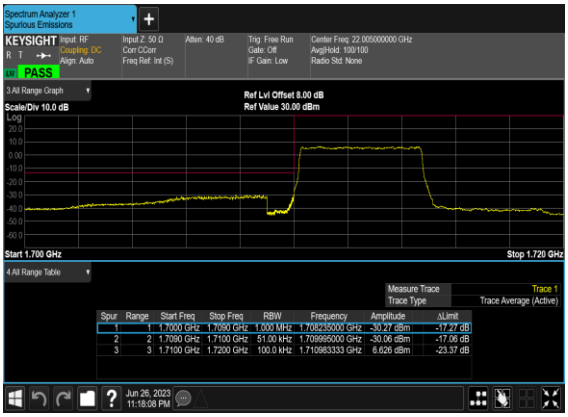
N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



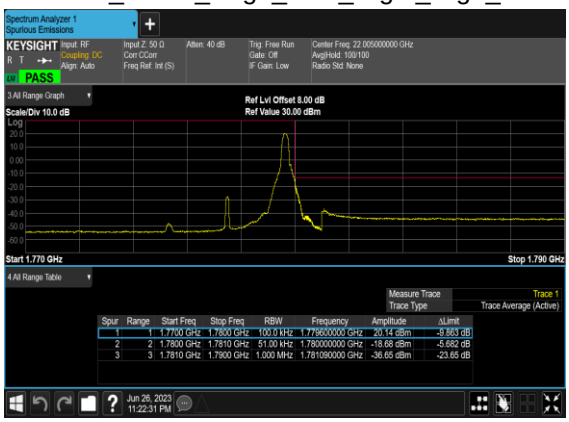
N66(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



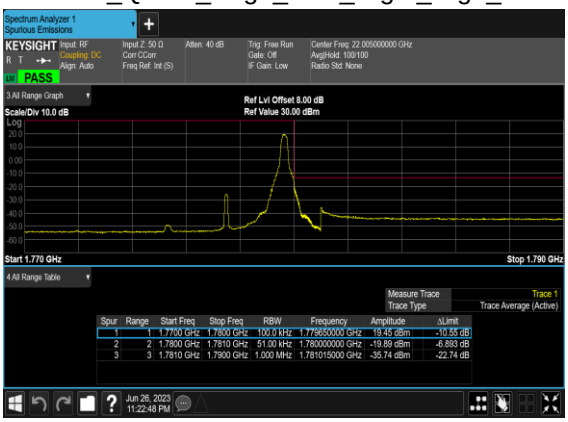
N66(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



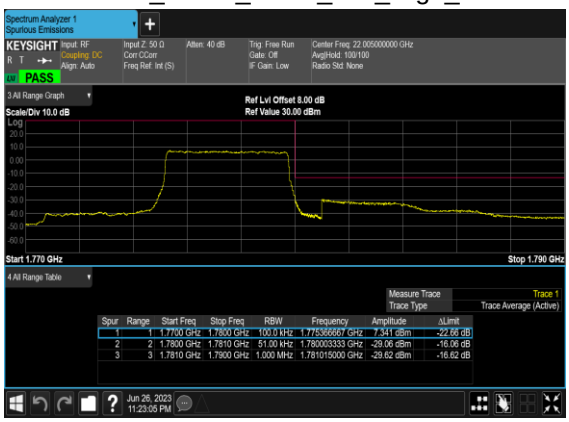
N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



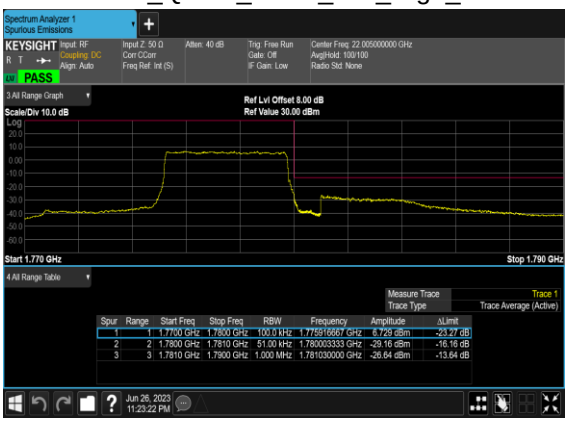
N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



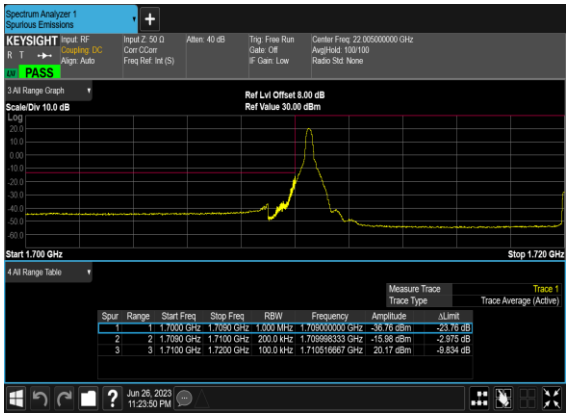
N66(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



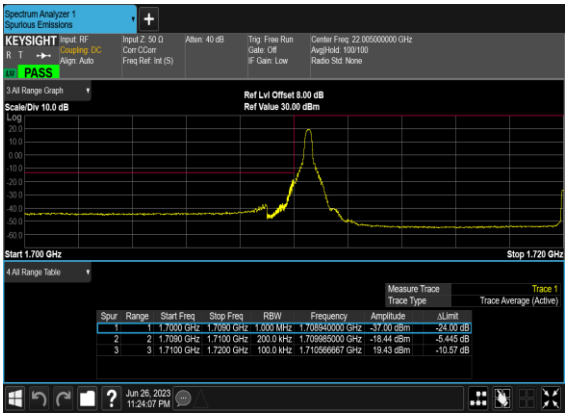
N66(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



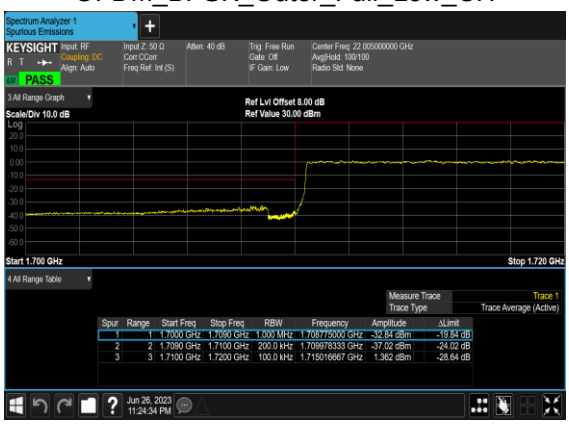
N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



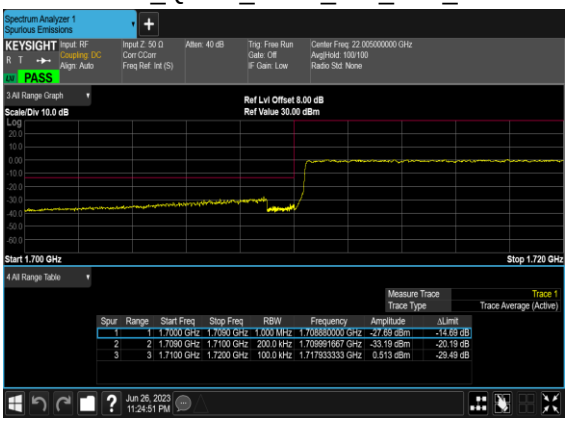
N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



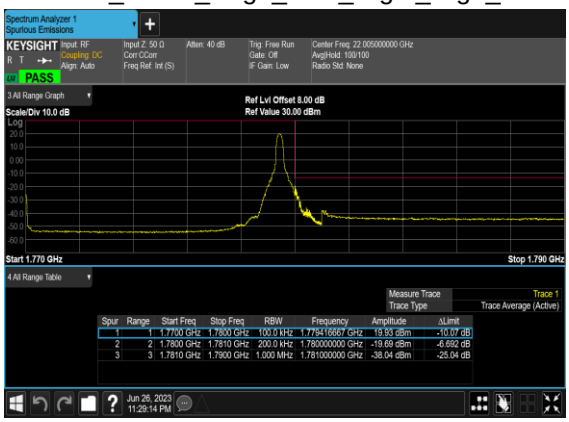
N66(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



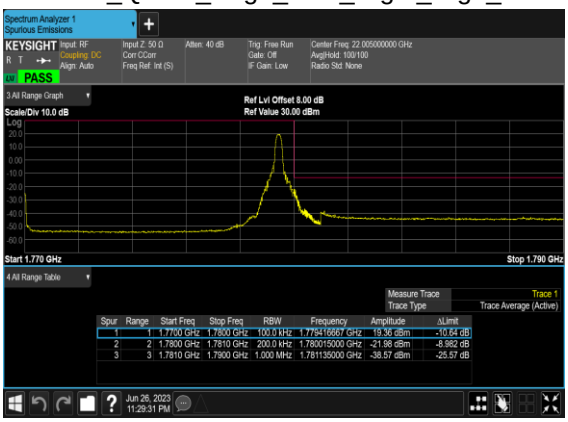
N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



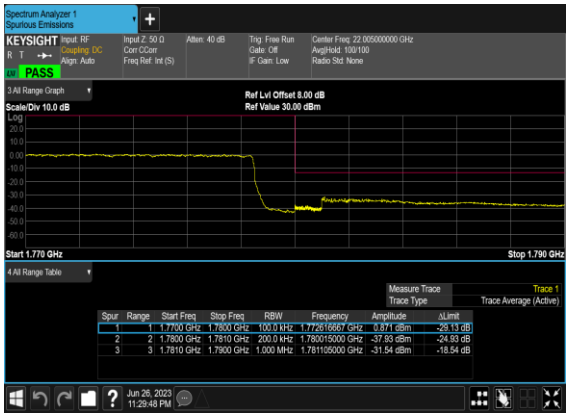
N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



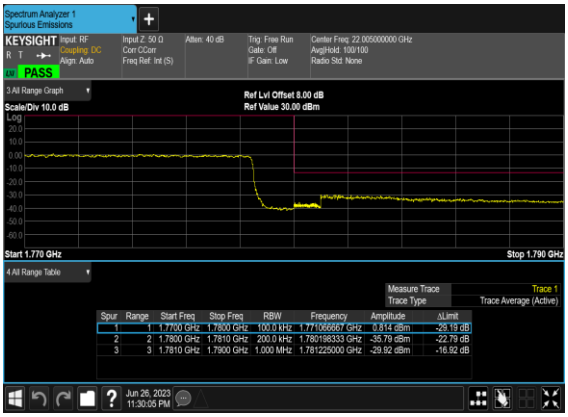
N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



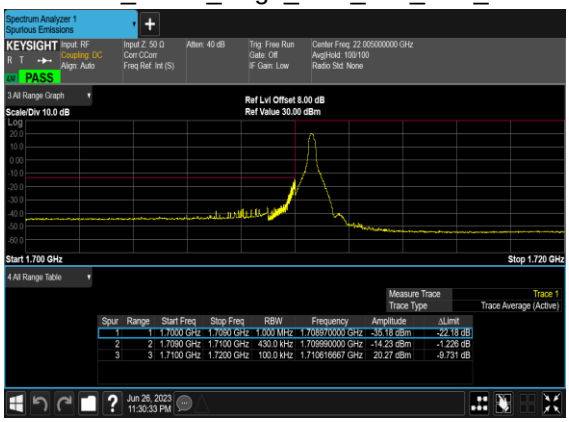
N66(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



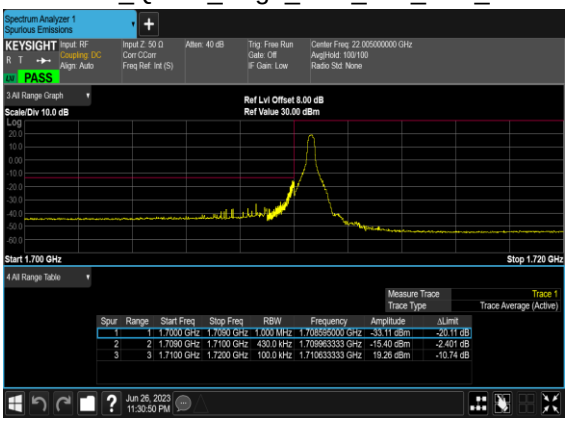
N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



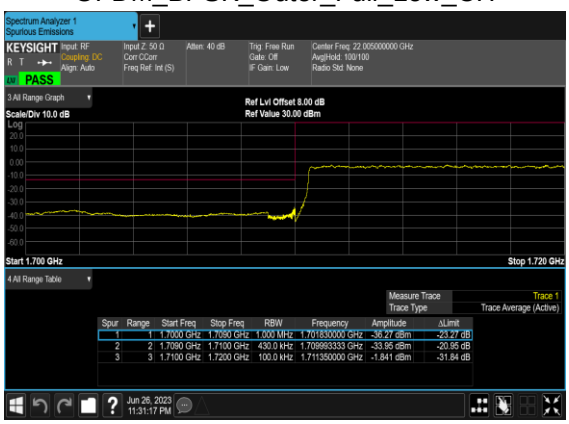
N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



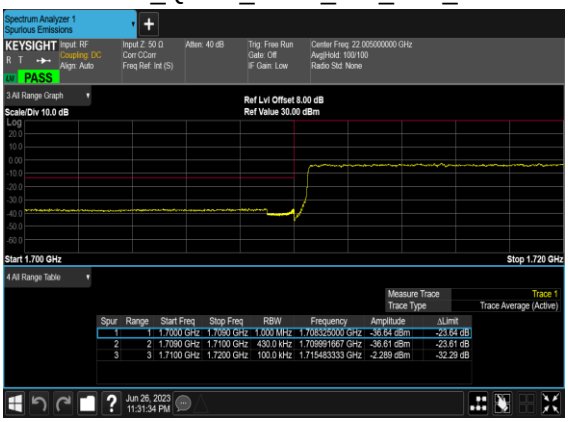
N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



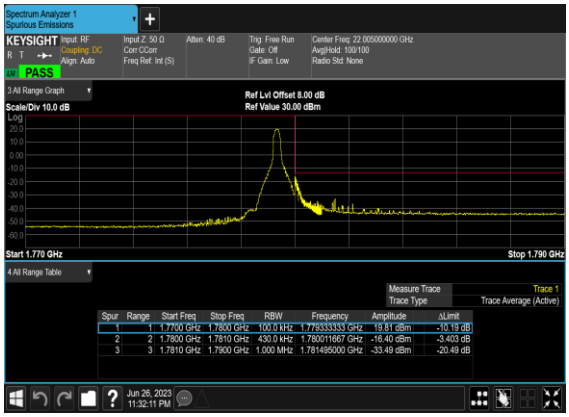
N66(40M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



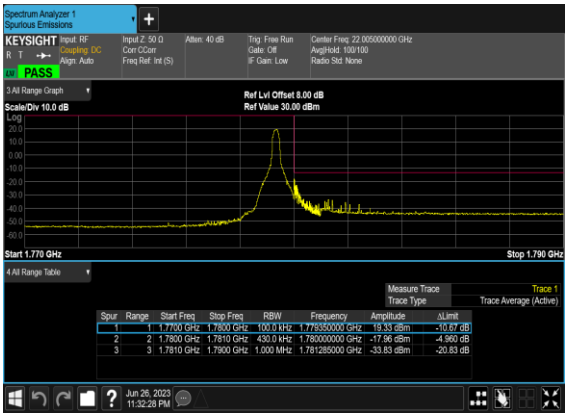
N66(40M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



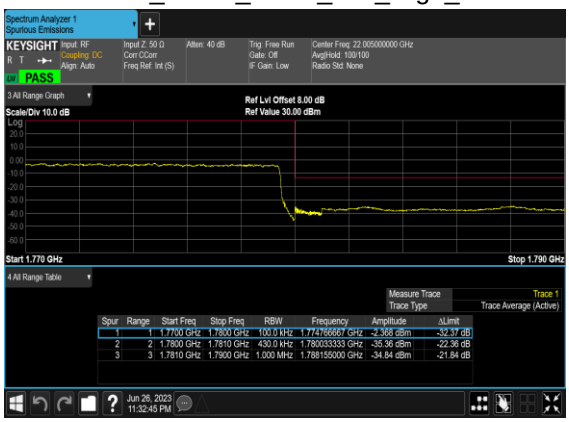
N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



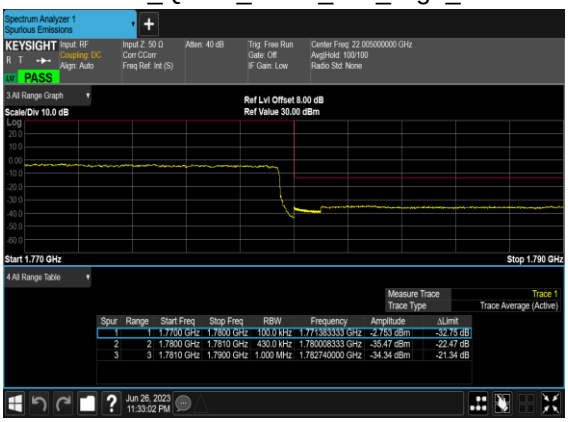
N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N66(40M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N66(40M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Zhaohui Liang	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.

n2 SA / NR 20MHz / 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	3741.5	-55.63	-13	-42.63	-78.67	-62.38	5.85	12.60	H
	5612.25	-56.64	-13	-43.64	-81.22	-62.44	7.30	13.10	H
	7483	-54.91	-13	-41.91	-81.99	-58.06	8.35	11.50	H
	3741.5	-52.23	-13	-39.23	-77.28	-58.98	5.85	12.60	V
	5612.25	-54.93	-13	-41.93	-80.36	-60.73	7.30	13.10	V
	7483	-55.13	-13	-42.13	-82.19	-58.28	8.35	11.50	V

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

EN-DC_7A_n2A / LTE 10MHz + NR 100MHz / QPSK (ANT1+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 n2 Middle	3741.5	-55.87	-13	-42.87	-78.91	-62.62	5.85	12.60	H
	5612.25	-56.04	-13	-43.04	-80.62	-61.84	7.30	13.10	H
	7483	-54.66	-13	-41.66	-81.74	-57.81	8.35	11.50	H
	3741.5	-53.34	-13	-40.34	-78.39	-60.09	5.85	12.60	V
	5612.25	-55.16	-13	-42.16	-80.59	-60.96	7.30	13.10	V
	7483	-54.53	-13	-41.53	-81.59	-57.68	8.35	11.50	V
LTE Band7 Middle	5061.18	-56.44	-25	-31.44	-80.51	-62.00	7.14	12.70	H
	7591.77	-54.43	-25	-29.43	-81.06	-57.73	8.30	11.60	H
	10122.36	-50.61	-25	-25.61	-81.57	-52.13	10.48	12.00	H
	5061.18	-56.15	-25	-31.15	-81.43	-61.71	7.14	12.70	V
	7591.77	-54.83	-25	-29.83	-81.46	-58.13	8.30	11.60	V
	10122.36	-49.99	-25	-24.99	-82	-51.51	10.48	12.00	V

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

n7 SA / NR 40MHz / QPSK(ANT1)									
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	5033.00	-51.79	-25	-26.79	-75.65	-57.35	7.14	12.70	H
	7549.50	-44.29	-25	-19.29	-71.11	-47.59	8.30	11.60	H
	10066.00	-52.42	-25	-27.42	-83.30	-53.94	10.48	12.00	H
	5033.00	-53.66	-25	-28.66	-78.97	-59.22	7.14	12.70	V
	7549.50	-45.85	-25	-20.85	-72.66	-49.15	8.30	11.60	V
	10066.00	-51.71	-25	-26.71	-83.4	-53.23	10.48	12.00	V

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

EN-DC_2A_n7A / LTE 10MHz + NR 40MHz / QPSK (ANT0+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	5033.00	-57.64	-25	-32.64	-81.50	-63.20	7.14	12.70	H
	7549.50	-55.47	-25	-30.47	-82.29	-58.77	8.30	11.60	H
	10066.00	-52.03	-25	-27.03	-82.91	-53.55	10.48	12.00	H
	5033.00	-56.29	-25	-31.29	-81.6	-61.85	7.14	12.70	V
	7549.50	-55.36	-25	-30.36	-82.17	-58.66	8.30	11.60	V
	10066.00	-51.59	-25	-26.59	-83.28	-53.11	10.48	12.00	V
LTE Band2 Middle	3751.18	-56.84	-13	-43.84	-79.33	-63.59	5.85	12.60	H
	5626.77	-56.62	-13	-43.62	-81.12	-62.42	7.30	13.10	H
	7502	-55.03	-13	-42.03	-82.03	-58.18	8.35	11.50	H
	3751.18	-54.14	-13	-41.14	-79.79	-60.89	5.85	12.60	V
	5626.77	-56.36	-13	-43.36	-81.36	-62.16	7.30	13.10	V
	7502	-55.20	-13	-42.20	-82.19	-58.35	8.35	11.50	V

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

n26 SA / NR 20MHz / 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	1654	-52.50	-13	-39.50	-64.63	-55.75	4.00	9.40	H
	2481	-56.02	-13	-43.02	-75.27	-59.59	4.88	10.60	H
	3308	-56.74	-13	-43.74	-77.89	-61.67	5.52	12.60	H
	1654	-52.38	-13	-39.38	-65.15	-55.63	4.00	9.40	V
	2481	-57.05	-13	-44.05	-76.62	-60.62	4.88	10.60	V
	3308	-56.23	-13	-43.23	-78.08	-61.16	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	-55.18	-25	-30.18	-79.46	-60.74	7.14	12.70	H
	7633.50	-54.99	-25	-29.99	-81.53	-58.29	8.30	11.60	H
	10178.00	-52.29	-25	-27.29	-83.31	-53.81	10.48	12.00	H
	5089.00	-54.62	-25	-29.62	-79.88	-60.18	7.14	12.70	V
	7633.50	-54.24	-25	-29.24	-81.46	-57.54	8.30	11.60	V
	10178.00	-51.22	-25	-26.22	-83.46	-52.74	10.48	12.00	V

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

EN-DC_2A_n41A / LTE 10MHz + NR 100MHz / QPSK (ANT0+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	-58.20	-25	-33.20	-82.48	-63.76	7.14	12.70	H
	7633.50	-55.48	-25	-30.48	-82.02	-58.78	8.30	11.60	H
	10178.00	-52.16	-25	-27.16	-83.18	-53.68	10.48	12.00	H
	5089.00	-57.05	-25	-32.05	-82.31	-62.61	7.14	12.70	V
	7633.50	-54.32	-25	-29.32	-81.54	-57.62	8.30	11.60	V
	10178.00	-50.60	-25	-25.60	-82.84	-52.12	10.48	12.00	V
LTE Band2 Middle	3751.18	-56.69	-13	-43.69	-79.18	-63.44	5.85	12.60	H
	5626.77	-56.69	-13	-43.69	-81.19	-62.49	7.30	13.10	H
	7502	-55.08	-13	-42.08	-82.08	-58.23	8.35	11.50	H
	3751.18	-53.60	-13	-40.60	-79.25	-60.35	5.85	12.60	V
	5626.77	-56.11	-13	-43.11	-81.11	-61.91	7.30	13.10	V
	7502	-55.32	-13	-42.32	-82.31	-58.47	8.35	11.50	V

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

n66 SA / NR 40MHz / QPSK(ANT0)									
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	3452.5	-58.64	-13	-45.64	-80.09	-65.49	5.65	12.50	H
	5178.74	-56.99	-13	-43.99	-81.75	-62.66	7.13	12.80	H
	6905	-55.30	-13	-42.30	-81.51	-58.70	8.40	11.80	H
	3452.5	-58.60	-13	-45.60	-80.99	-65.45	5.65	12.50	V
	5178.74	-56.58	-13	-43.58	-81.73	-62.25	7.13	12.80	V
	6905	-54.08	-13	-41.08	-81.57	-57.48	8.40	11.80	V

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

EN-DC_7A_n66A / LTE 10MHz + NR 40MHz / QPSK (ANT1+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 n66 Middle	3452.5	-55.94	-13	-42.94	-77.39	-62.79	5.65	12.50	H
	5178.74	-56.68	-13	-43.68	-81.44	-62.35	7.13	12.80	H
	6905	-55.81	-13	-42.81	-82.02	-59.21	8.40	11.80	H
	3452.5	-55.35	-13	-42.35	-77.74	-62.20	5.65	12.50	V
	5178.74	-56.26	-13	-43.26	-81.41	-61.93	7.13	12.80	V
	6905	-54.66	-13	-41.66	-82.15	-58.06	8.40	11.80	V
LTE Band7 Middle	5061.18	-57.66	-25	-32.66	-81.73	-63.22	7.14	12.70	H
	7591.77	-54.87	-25	-29.87	-81.50	-58.17	8.30	11.60	H
	10122.36	-50.81	-25	-25.81	-81.77	-52.33	10.48	12.00	H
	5061.18	-56.15	-25	-31.15	-81.43	-61.71	7.14	12.70	V
	7591.77	-55.13	-25	-30.13	-81.76	-58.43	8.30	11.60	V
	10122.36	-49.90	-25	-24.90	-81.91	-51.42	10.48	12.00	V

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