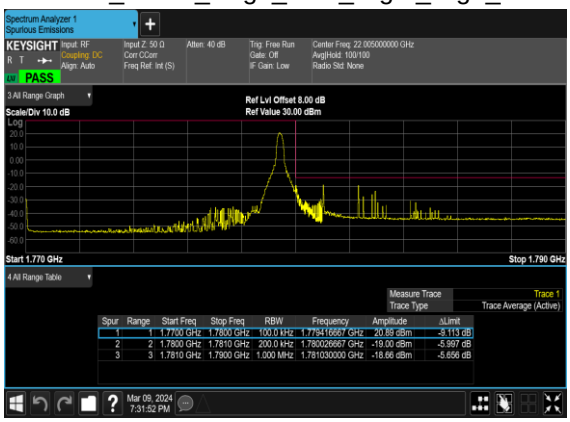
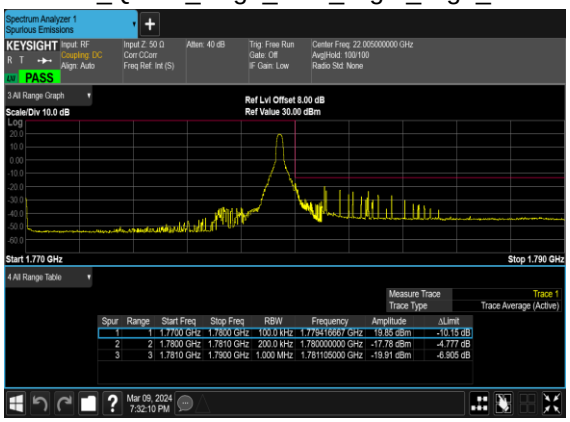
N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



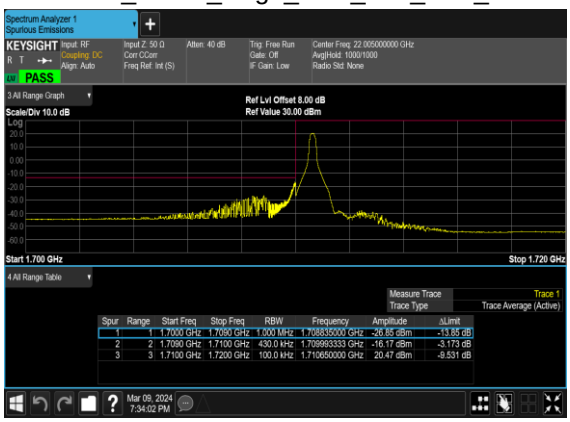
N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



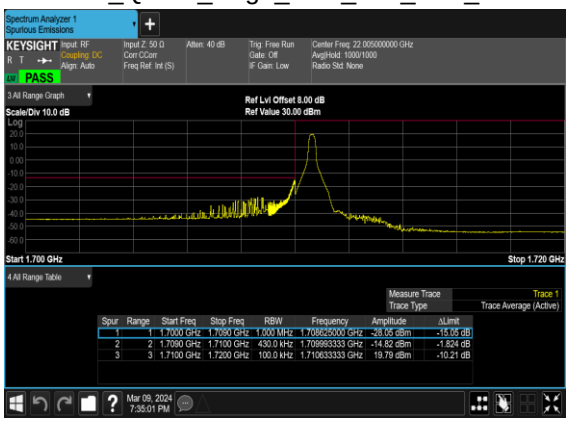
N66(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

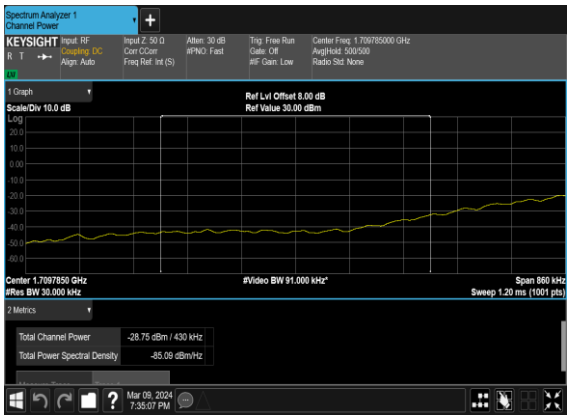
N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



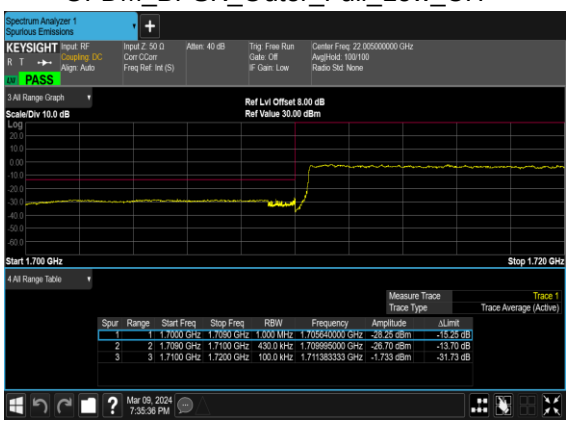
N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



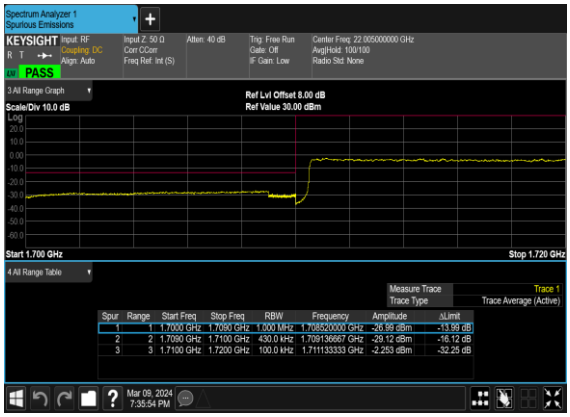
N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**



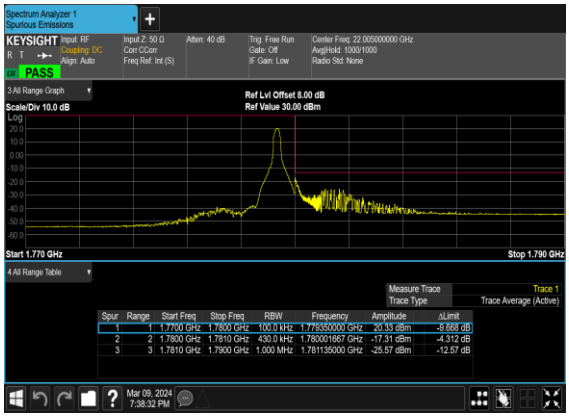
N66(40M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



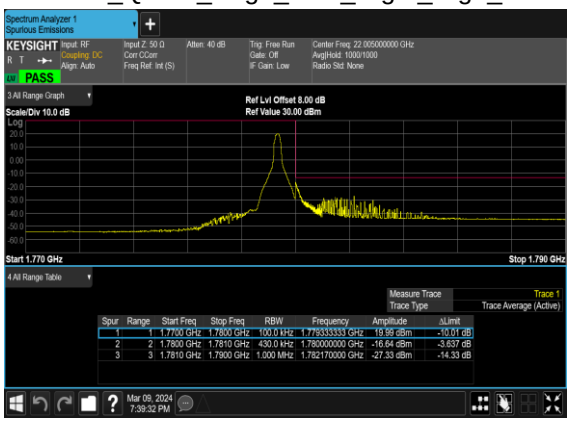
N66(40M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



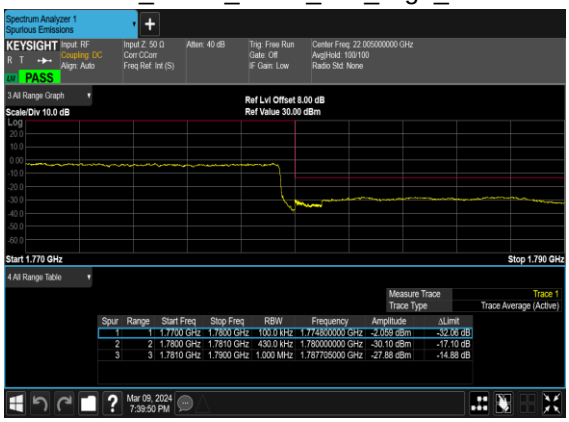
N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



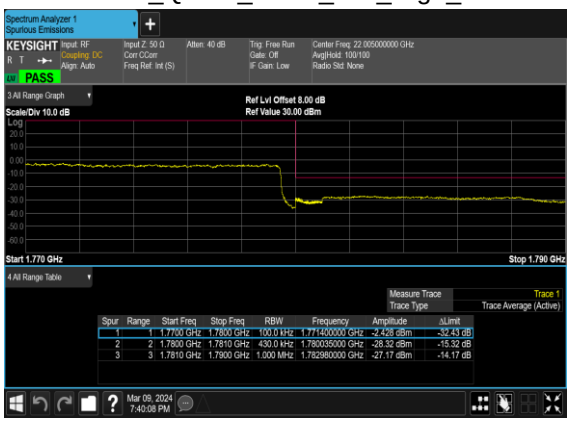
N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N66(40M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N66(40M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 23.06.1602

FR1 N66

LTE Band: 5, LTE BW: 10M, LTE ARFCN: Mid

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=-4.1dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@1	23.5	19.4	0.0871
66	15	5	342500	1712.5	DFT-s-OFDM 16 QAM	1@1	22.76	18.66	0.0735
66	15	5	349000	1745	DFT-s-OFDM QPSK	1@1	23.53	19.43	0.0877
66	15	5	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.8	18.7	0.0741
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@1	23.37	19.27	0.0845
66	15	5	355500	1777.5	DFT-s-OFDM 16 QAM	1@1	22.71	18.61	0.0726
66	15	10	343000	1715	DFT-s-OFDM QPSK	1@1	23.51	19.41	0.0873
66	15	10	343000	1715	DFT-s-OFDM 16 QAM	1@1	22.81	18.71	0.0743
66	15	10	349000	1745	DFT-s-OFDM QPSK	1@1	23.53	19.43	0.0877
66	15	10	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.84	18.74	0.0748
66	15	10	355000	1775	DFT-s-OFDM QPSK	1@1	23.41	19.31	0.0853
66	15	10	355000	1775	DFT-s-OFDM 16 QAM	1@1	22.74	18.64	0.0731
66	15	15	343500	1717.5	DFT-s-OFDM QPSK	1@1	23.57	19.47	0.0885
66	15	15	343500	1717.5	DFT-s-OFDM 16 QAM	1@1	22.8	18.7	0.0741
66	15	15	349000	1745	DFT-s-OFDM QPSK	1@1	23.67	19.57	0.0906
66	15	15	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.78	18.68	0.0738
66	15	15	354500	1772.5	DFT-s-OFDM QPSK	1@1	23.55	19.45	0.0881
66	15	15	354500	1772.5	DFT-s-OFDM 16 QAM	1@1	22.83	18.73	0.0746
66	15	20	344000	1720	DFT-s-OFDM QPSK	1@1	23.48	19.38	0.0867
66	15	20	344000	1720	DFT-s-OFDM 16 QAM	1@1	22.77	18.67	0.0736
66	15	20	349000	1745	DFT-s-OFDM QPSK	1@1	23.63	19.53	0.0897
66	15	20	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.83	18.73	0.0746
66	15	20	354000	1770	DFT-s-OFDM QPSK	1@1	23.53	19.43	0.0877
66	15	20	354000	1770	DFT-s-OFDM 16 QAM	1@1	22.74	18.64	0.0731
66	15	25	344500	1722.5	DFT-s-OFDM QPSK	1@1	23.63	19.53	0.0897
66	15	25	344500	1722.5	DFT-s-OFDM 16 QAM	1@1	22.92	18.82	0.0762
66	15	25	349000	1745	DFT-s-OFDM QPSK	1@1	23.81	19.71	0.0935
66	15	25	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.93	18.83	0.0764

66	15	25	353500	1767.5	DFT-s-OFDM QPSK	1@1	23.69	19.59	0.0910
66	15	25	353500	1767.5	DFT-s-OFDM 16 QAM	1@1	22.99	18.89	0.0774
66	15	30	345000	1725	DFT-s-OFDM QPSK	1@1	23.4	19.3	0.0851
66	15	30	345000	1725	DFT-s-OFDM 16 QAM	1@1	22.79	18.69	0.0740
66	15	30	349000	1745	DFT-s-OFDM QPSK	1@1	23.38	19.28	0.0847
66	15	30	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.7	18.6	0.0724
66	15	30	353000	1765	DFT-s-OFDM QPSK	1@1	23.41	19.31	0.0853
66	15	30	353000	1765	DFT-s-OFDM 16 QAM	1@1	22.71	18.61	0.0726
66	15	35	345500	1727.5	DFT-s-OFDM QPSK	1@1	23.55	19.45	0.0881
66	15	35	345500	1727.5	DFT-s-OFDM 16 QAM	1@1	22.93	18.83	0.0764
66	15	35	349000	1745	DFT-s-OFDM QPSK	1@1	23.62	19.52	0.0895
66	15	35	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.95	18.85	0.0767
66	15	35	352500	1762.5	DFT-s-OFDM QPSK	1@1	23.53	19.43	0.0877
66	15	35	352500	1762.5	DFT-s-OFDM 16 QAM	1@1	22.75	18.65	0.0733
66	15	40	346000	1730	DFT-s-OFDM PI/2 BPSK	108@54	23.48	19.38	0.0867
66	15	40	346000	1730	DFT-s-OFDM PI/2 BPSK	1@1	23.29	19.19	0.0830
66	15	40	346000	1730	DFT-s-OFDM PI/2 BPSK	1@214	23.42	19.32	0.0855
66	15	40	346000	1730	DFT-s-OFDM QPSK	108@54	23.82	19.72	0.0938
66	15	40	346000	1730	DFT-s-OFDM QPSK	1@1	23.34	19.24	0.0839
66	15	40	346000	1730	DFT-s-OFDM QPSK	1@214	23.32	19.22	0.0836
66	15	40	346000	1730	DFT-s-OFDM 16 QAM	108@54	22.64	18.54	0.0714
66	15	40	346000	1730	DFT-s-OFDM 16 QAM	1@1	22.57	18.47	0.0703
66	15	40	346000	1730	DFT-s-OFDM 16 QAM	1@214	22.58	18.48	0.0705
66	15	40	346000	1730	DFT-s-OFDM 64 QAM	108@54	21.09	16.99	0.0500
66	15	40	346000	1730	DFT-s-OFDM 64 QAM	1@1	21.11	17.01	0.0502
66	15	40	346000	1730	DFT-s-OFDM 64 QAM	1@214	21.17	17.07	0.0509
66	15	40	346000	1730	DFT-s-OFDM 256 QAM	108@54	19.11	15.01	0.0317
66	15	40	346000	1730	DFT-s-OFDM 256 QAM	1@1	18.95	14.85	0.0305
66	15	40	346000	1730	DFT-s-OFDM 256 QAM	1@214	18.86	14.76	0.0299
66	15	40	346000	1730	CP-OFDM QPSK	108@54	22.02	17.92	0.0619
66	15	40	346000	1730	CP-OFDM QPSK	1@1	21.98	17.88	0.0614
66	15	40	346000	1730	CP-OFDM QPSK	1@214	21.96	17.86	0.0611
66	15	40	349000	1745	DFT-s-OFDM PI/2 BPSK	108@54	23.64	19.54	0.0899
66	15	40	349000	1745	DFT-s-OFDM PI/2 BPSK	1@1	23.42	19.32	0.0855
66	15	40	349000	1745	DFT-s-OFDM PI/2 BPSK	1@214	23.29	19.19	0.0830

66	15	40	349000	1745	DFT-s-OFDM QPSK	108@54	23.62	19.52	0.0895
66	15	40	349000	1745	DFT-s-OFDM QPSK	1@1	23.38	19.28	0.0847
66	15	40	349000	1745	DFT-s-OFDM QPSK	1@214	23.45	19.35	0.0861
66	15	40	349000	1745	DFT-s-OFDM 16 QAM	108@54	22.75	18.65	0.0733
66	15	40	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.66	18.56	0.0718
66	15	40	349000	1745	DFT-s-OFDM 16 QAM	1@214	22.68	18.58	0.0721
66	15	40	349000	1745	DFT-s-OFDM 64 QAM	108@54	21.28	17.18	0.0522
66	15	40	349000	1745	DFT-s-OFDM 64 QAM	1@1	21.17	17.07	0.0509
66	15	40	349000	1745	DFT-s-OFDM 64 QAM	1@214	21.19	17.09	0.0512
66	15	40	349000	1745	DFT-s-OFDM 256 QAM	108@54	19.17	15.07	0.0321
66	15	40	349000	1745	DFT-s-OFDM 256 QAM	1@1	18.98	14.88	0.0308
66	15	40	349000	1745	DFT-s-OFDM 256 QAM	1@214	18.96	14.86	0.0306
66	15	40	349000	1745	CP-OFDM QPSK	108@54	22.17	18.07	0.0641
66	15	40	349000	1745	CP-OFDM QPSK	1@1	22.07	17.97	0.0627
66	15	40	349000	1745	CP-OFDM QPSK	1@214	22.06	17.96	0.0625
66	15	40	352000	1760	DFT-s-OFDM PI/2 BPSK	108@54	23.54	19.44	0.0879
66	15	40	352000	1760	DFT-s-OFDM PI/2 BPSK	1@1	23.39	19.29	0.0849
66	15	40	352000	1760	DFT-s-OFDM PI/2 BPSK	1@214	23.28	19.18	0.0828
66	15	40	352000	1760	DFT-s-OFDM QPSK	108@54	23.57	19.47	0.0885
66	15	40	352000	1760	DFT-s-OFDM QPSK	1@1	23.48	19.38	0.0867
66	15	40	352000	1760	DFT-s-OFDM QPSK	1@214	23.34	19.24	0.0839
66	15	40	352000	1760	DFT-s-OFDM 16 QAM	108@54	22.71	18.61	0.0726
66	15	40	352000	1760	DFT-s-OFDM 16 QAM	1@1	22.6	18.5	0.0708
66	15	40	352000	1760	DFT-s-OFDM 16 QAM	1@214	22.52	18.42	0.0695
66	15	40	352000	1760	DFT-s-OFDM 64 QAM	108@54	21.2	17.1	0.0513
66	15	40	352000	1760	DFT-s-OFDM 64 QAM	1@1	21.32	17.22	0.0527
66	15	40	352000	1760	DFT-s-OFDM 64 QAM	1@214	21.18	17.08	0.0511
66	15	40	352000	1760	DFT-s-OFDM 256 QAM	108@54	19.14	15.04	0.0319
66	15	40	352000	1760	DFT-s-OFDM 256 QAM	1@1	19.02	14.92	0.0310
66	15	40	352000	1760	DFT-s-OFDM 256 QAM	1@214	18.72	14.62	0.0290
66	15	40	352000	1760	CP-OFDM QPSK	108@54	22.12	18.02	0.0634
66	15	40	352000	1760	CP-OFDM QPSK	1@1	22.03	17.93	0.0621
66	15	40	352000	1760	CP-OFDM QPSK	1@214	21.95	17.85	0.0610

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	0.0068	**PASS**	NV
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0027	**PASS**	LV
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0043	**PASS**	HV
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0055	**PASS**	-30℃
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0027	**PASS**	-20℃
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0060	**PASS**	-10℃
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0027	**PASS**	0℃
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0058	**PASS**	10℃
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0068	**PASS**	20℃
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0056	**PASS**	30℃
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0066	**PASS**	40℃
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0046	**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	4.5	13	**PASS**
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	5.56	13	**PASS**

B5_N66(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

B5_N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

Occupied Bandwidth

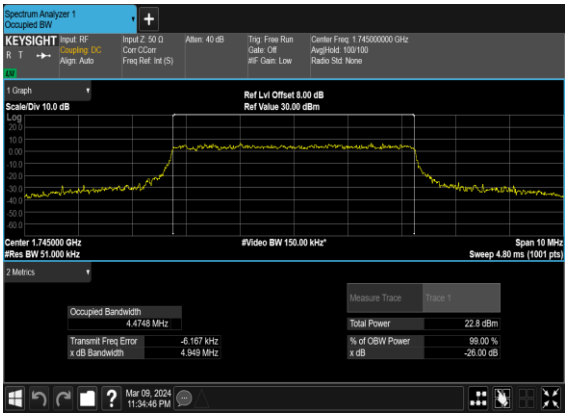
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
66	15	5	349000	1745.0	CP-OFDM QPSK	25@0	4.4827	5.186
66	15	5	349000	1745.0	CP-OFDM 16 QAM	25@0	4.5209	5.285
66	15	5	349000	1745.0	CP-OFDM 64 QAM	25@0	4.464	5.041
66	15	5	349000	1745.0	CP-OFDM 256 QAM	25@0	4.4748	4.949
66	15	10	349000	1745.0	CP-OFDM QPSK	52@0	9.2874	9.949
66	15	10	349000	1745.0	CP-OFDM 16 QAM	52@0	9.2907	9.892
66	15	10	349000	1745.0	CP-OFDM 64 QAM	52@0	9.2737	9.867
66	15	10	349000	1745.0	CP-OFDM 256 QAM	52@0	9.2739	9.877
66	15	15	349000	1745.0	CP-OFDM QPSK	79@0	14.12	15.01
66	15	15	349000	1745.0	CP-OFDM 16 QAM	79@0	14.101	14.83
66	15	15	349000	1745.0	CP-OFDM 64 QAM	79@0	14.087	14.91
66	15	15	349000	1745.0	CP-OFDM 256 QAM	79@0	14.078	14.85
66	15	20	349000	1745.0	CP-OFDM QPSK	106@0	18.93	19.85
66	15	20	349000	1745.0	CP-OFDM 16 QAM	106@0	18.909	20.03
66	15	20	349000	1745.0	CP-OFDM 64 QAM	106@0	18.91	19.8
66	15	20	349000	1745.0	CP-OFDM 256 QAM	106@0	18.966	19.77
66	15	25	349000	1745.0	CP-OFDM QPSK	133@0	23.711	24.85
66	15	25	349000	1745.0	CP-OFDM 16 QAM	133@0	23.743	24.76
66	15	25	349000	1745.0	CP-OFDM 64 QAM	133@0	23.767	24.75
66	15	25	349000	1745.0	CP-OFDM 256 QAM	133@0	23.72	24.74
66	15	30	349000	1745.0	CP-OFDM QPSK	160@0	28.547	29.69
66	15	30	349000	1745.0	CP-OFDM 16 QAM	160@0	28.564	29.71
66	15	30	349000	1745.0	CP-OFDM 64 QAM	160@0	28.476	29.56
66	15	30	349000	1745.0	CP-OFDM 256 QAM	160@0	28.497	29.63
66	15	35	349000	1745.0	CP-OFDM QPSK	188@0	33.543	34.78
66	15	35	349000	1745.0	CP-OFDM 16 QAM	188@0	33.484	34.76
66	15	35	349000	1745.0	CP-OFDM 64 QAM	188@0	33.494	34.73
66	15	35	349000	1745.0	CP-OFDM 256 QAM	188@0	33.439	34.72
66	15	40	349000	1745.0	CP-OFDM QPSK	216@0	38.509	39.96
66	15	40	349000	1745.0	CP-OFDM 16 QAM	216@0	38.61	39.86
66	15	40	349000	1745.0	CP-OFDM 64 QAM	216@0	38.576	39.93
66	15	40	349000	1745.0	CP-OFDM 256 QAM	216@0	38.56	39.96

B5_N66(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

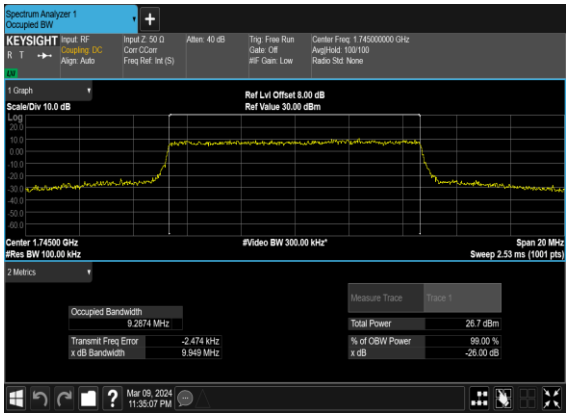
B5_N66(5M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

B5_N66(5M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

B5_N66(5M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

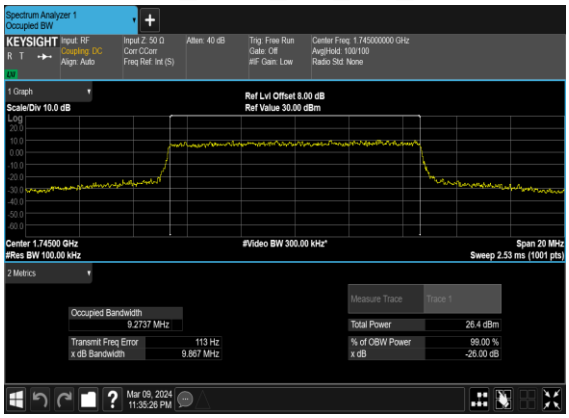


B5_N66(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

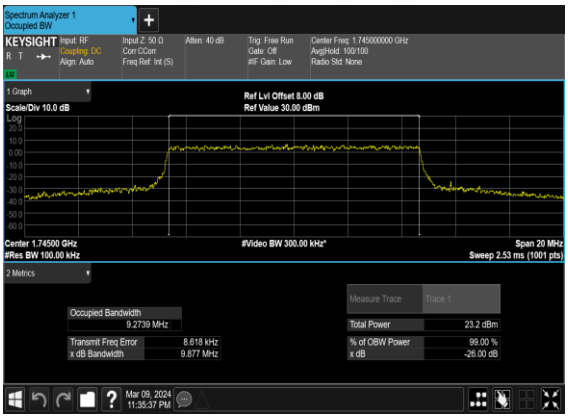


B5_N66(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

B5_N66(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

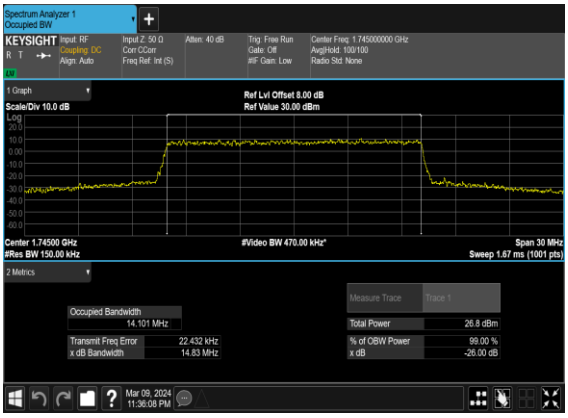


B5_N66(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



B5_N66(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

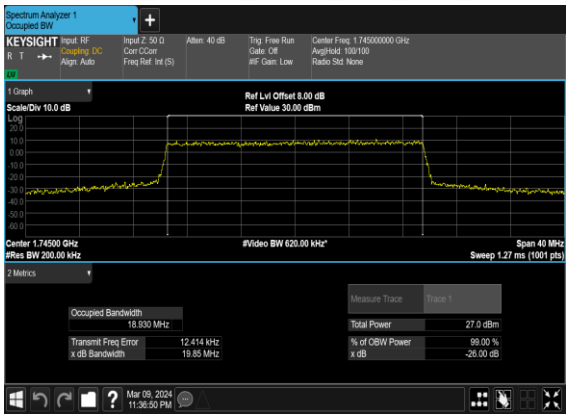
B5_N66(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



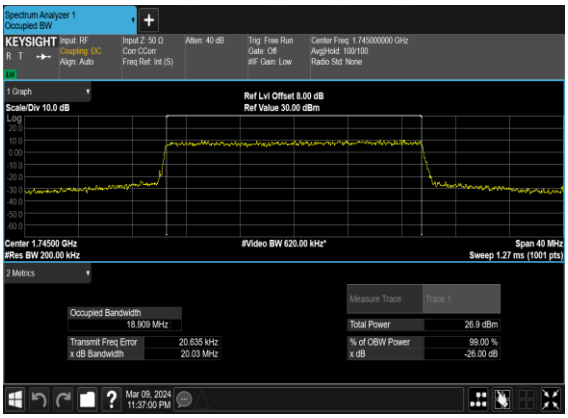
B5_N66(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

B5_N66(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

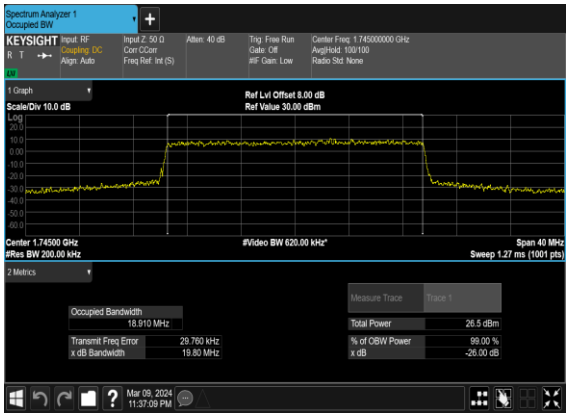
B5_N66(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



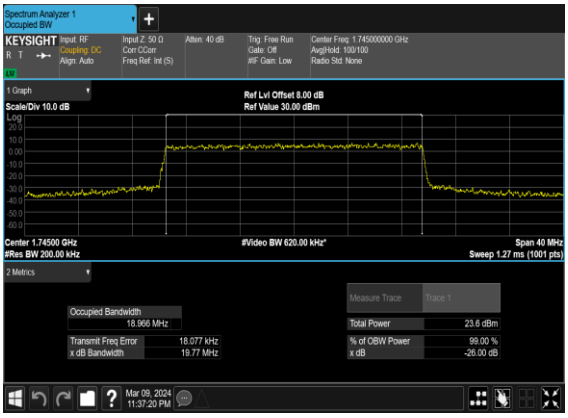
B5_N66(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



B5_N66(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



B5_N66(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



B5_N66(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

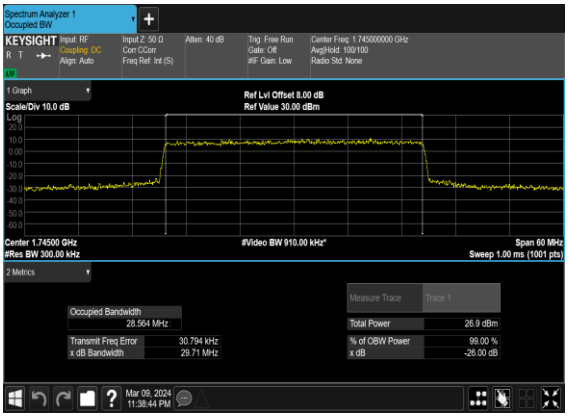
B5_N66(25M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

B5_N66(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

B5_N66(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

B5_N66(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

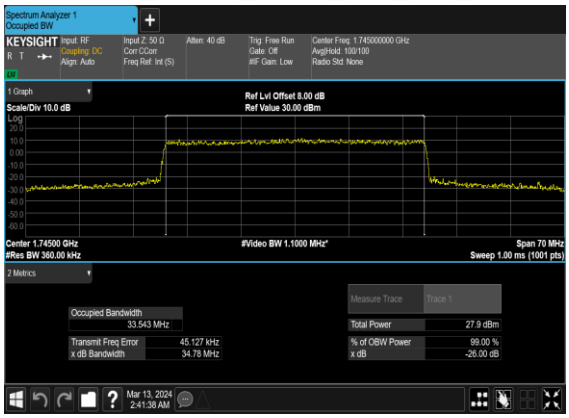
B5_N66(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



B5_N66(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

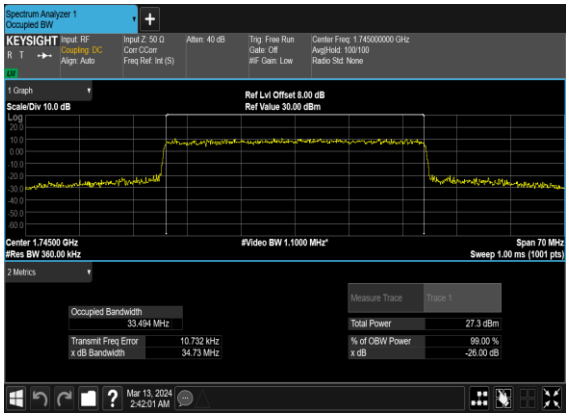
B5_N66(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

B5_N66(35M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



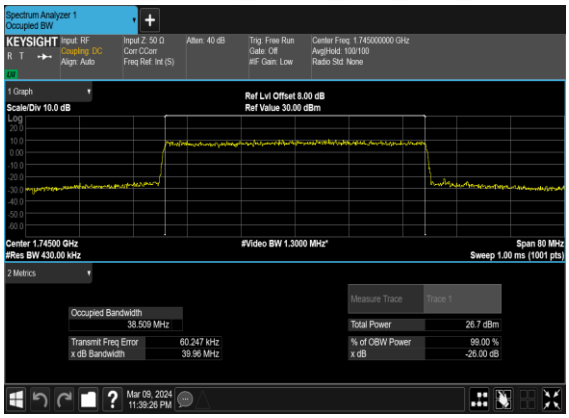
B5_N66(35M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

B5_N66(35M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

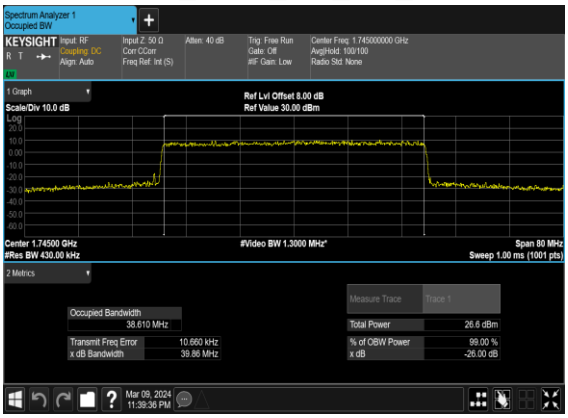


B5_N66(35M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

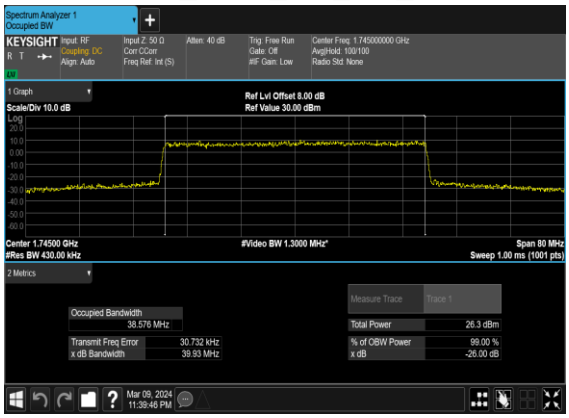
B5_N66(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



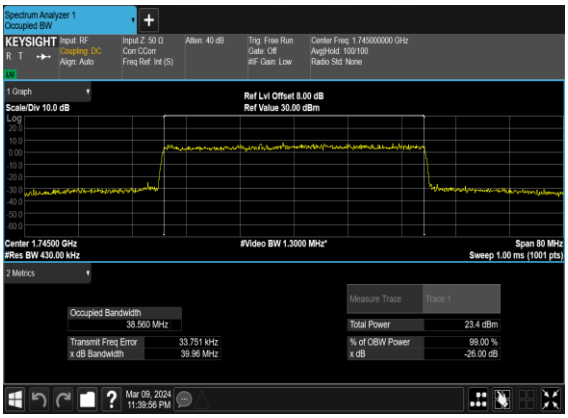
B5_N66(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



B5_N66(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



B5_N66(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

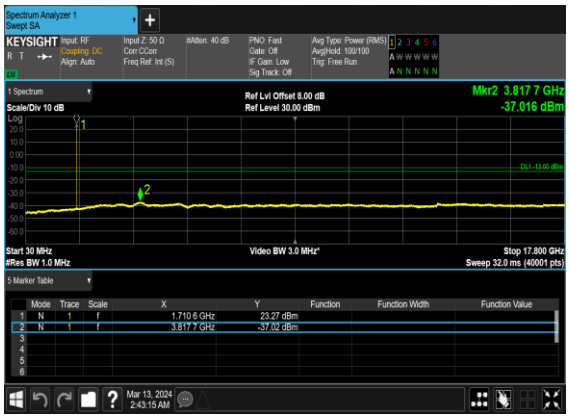


Conducted Spurious Emissions

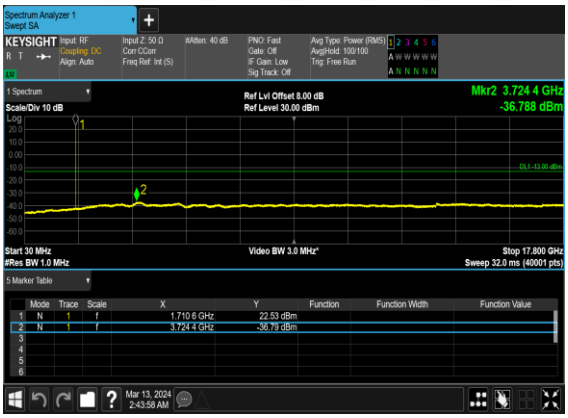
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	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**

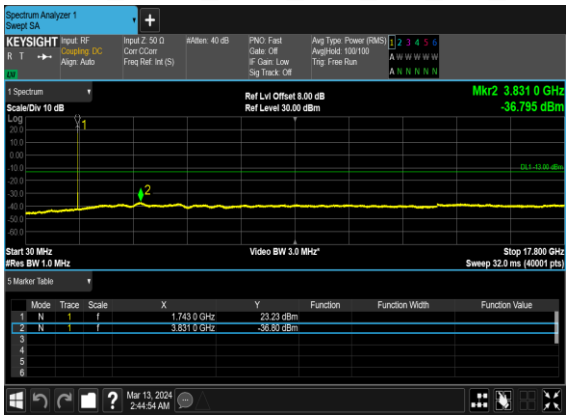
B5_N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



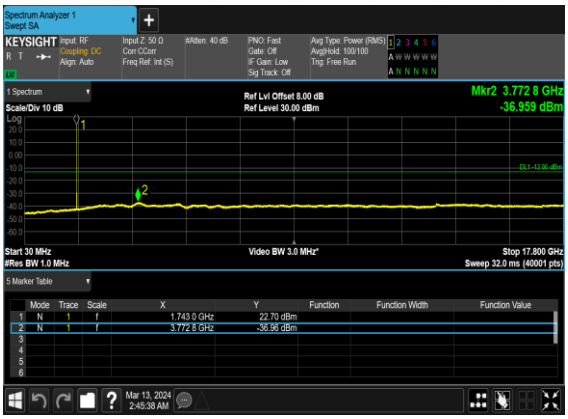
B5_N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



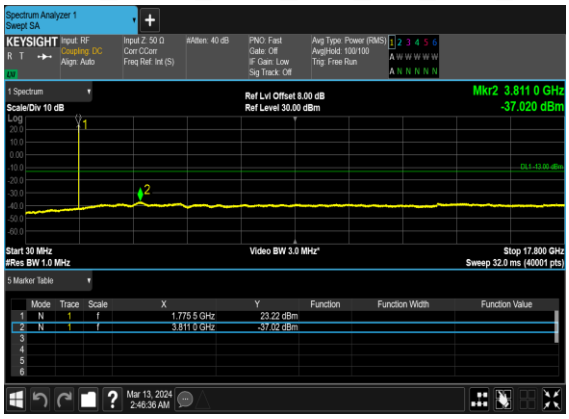
B5_N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



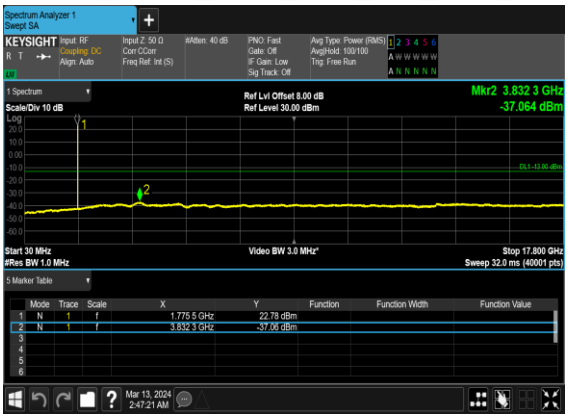
B5_N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



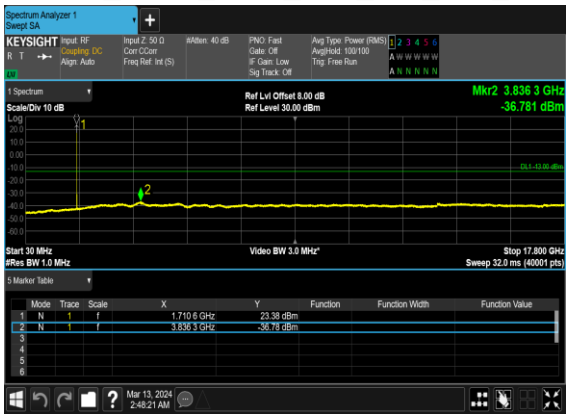
B5_N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



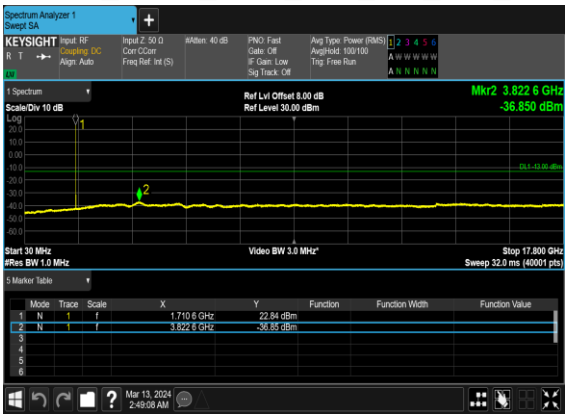
B5_N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



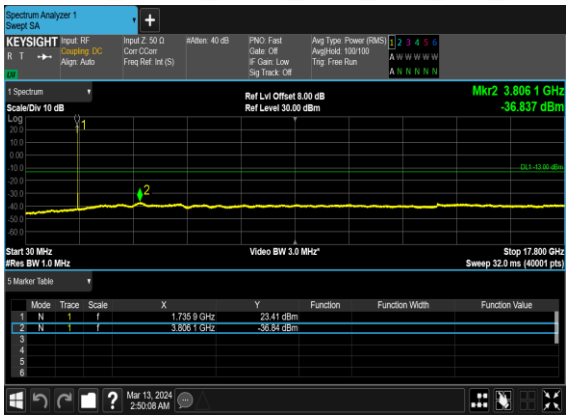
B5_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



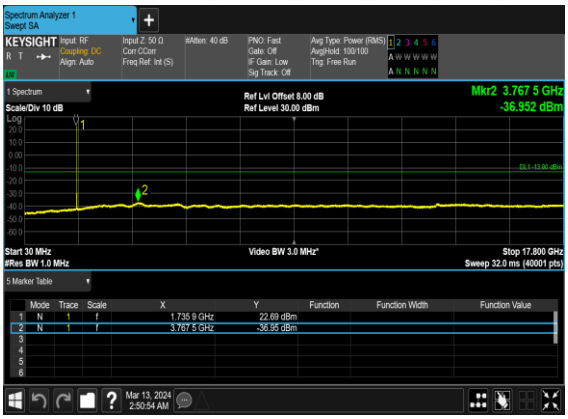
B5_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



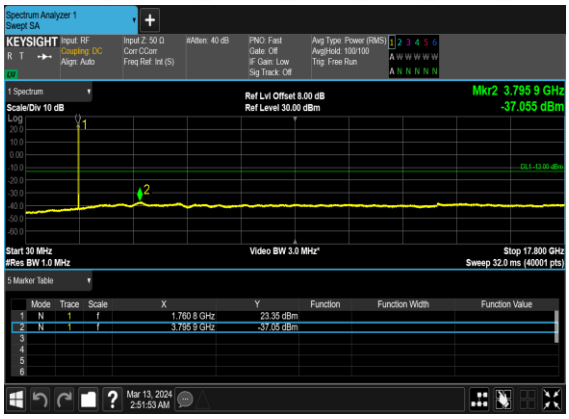
B5_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



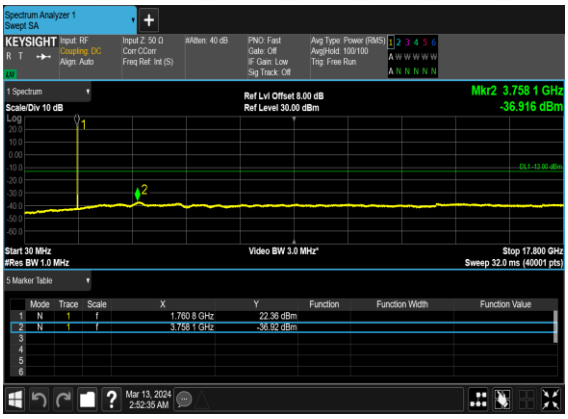
B5_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



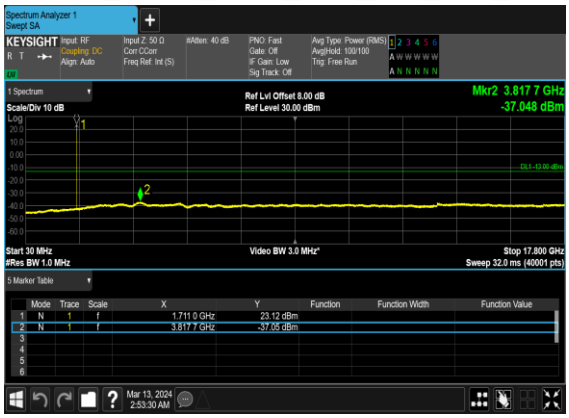
B5_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



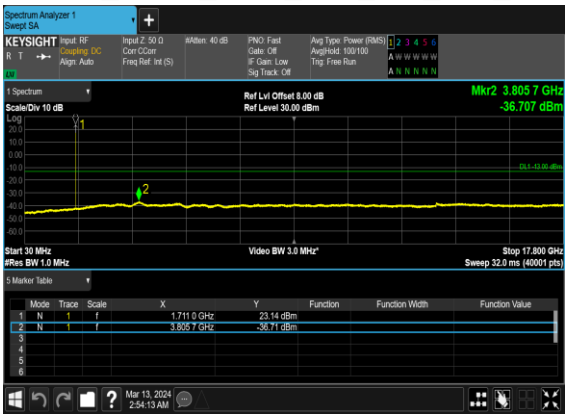
B5_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



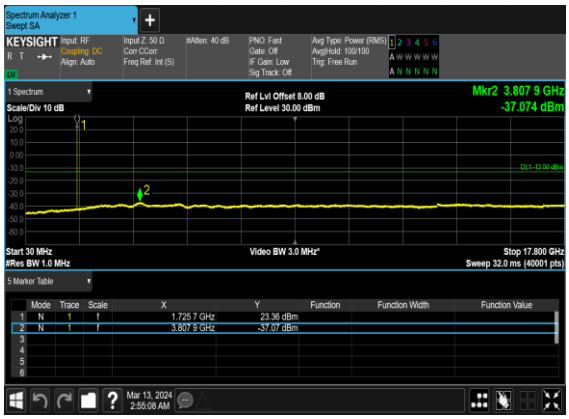
B5_N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



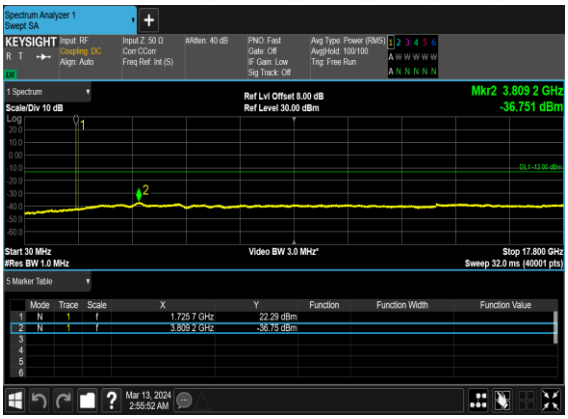
B5_N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



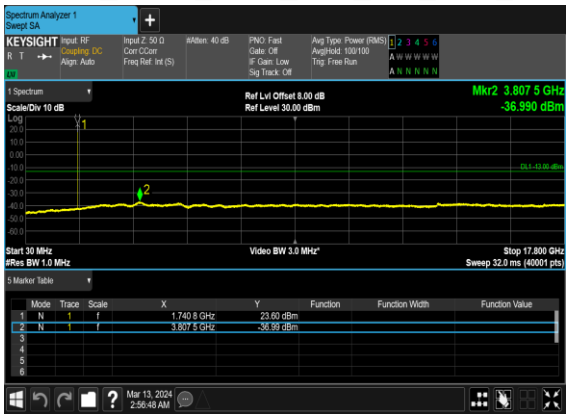
B5_N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



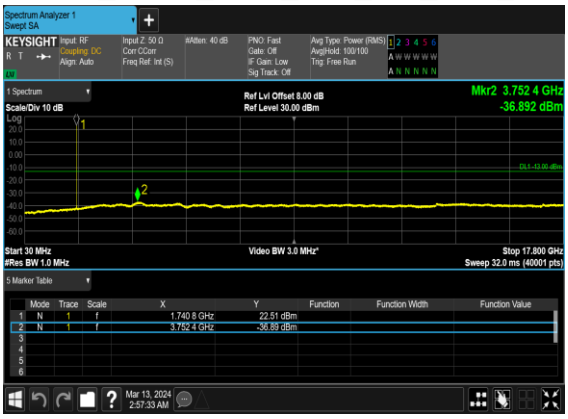
B5_N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



B5_N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



B5_N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



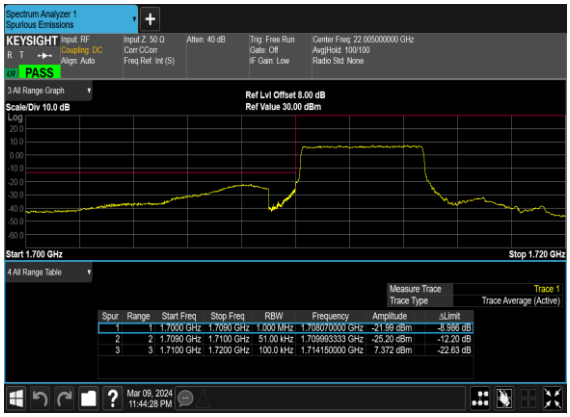
Conducted Band Edge

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**

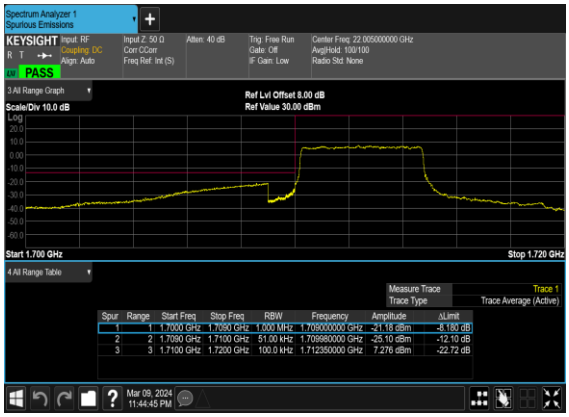
B5_N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

B5_N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

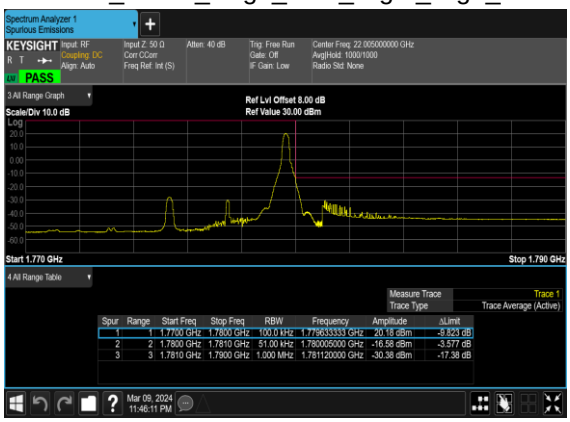
B5_N66(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



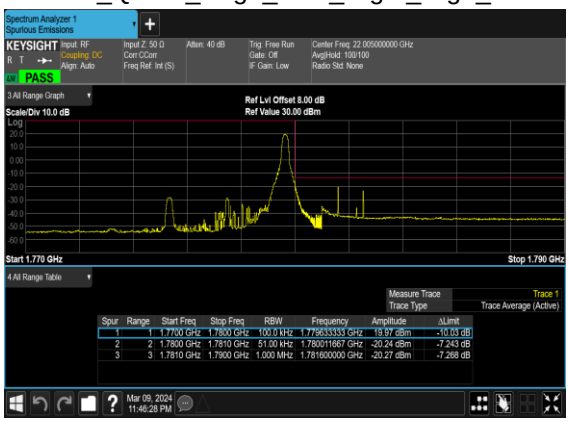
B5_N66(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



B5_N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



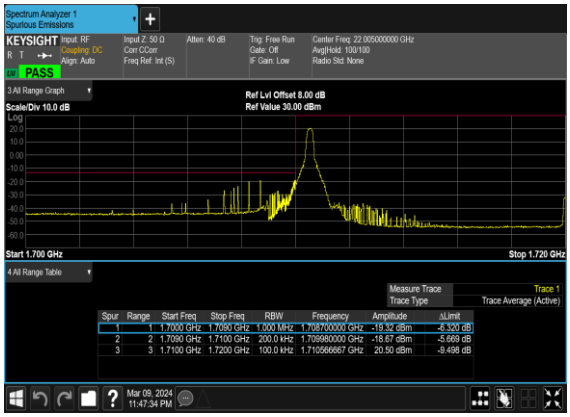
B5_N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



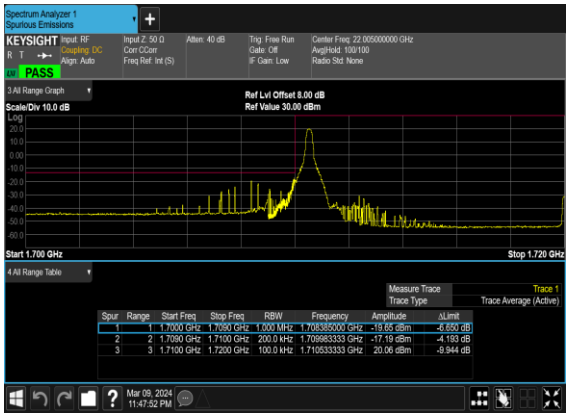
B5_N66(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

B5_N66(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

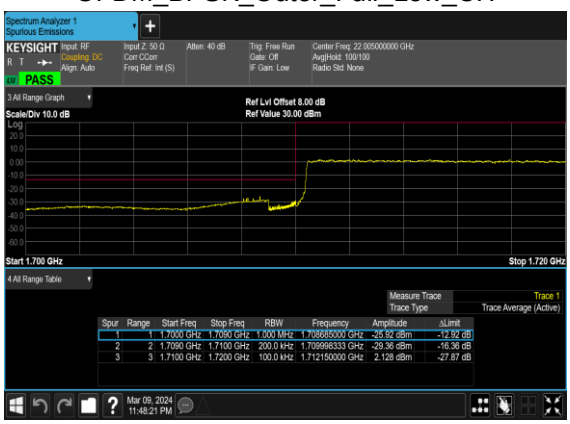
B5_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



B5_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

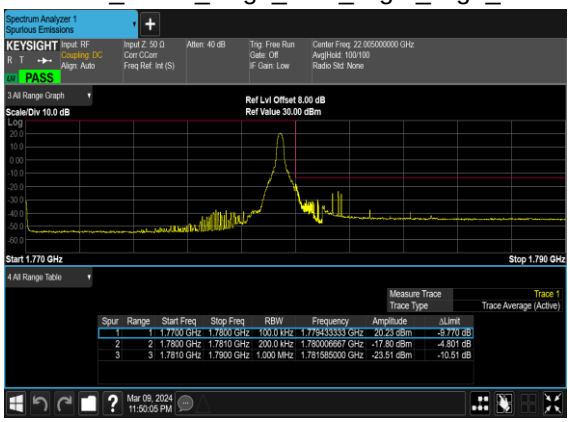


B5_N66(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

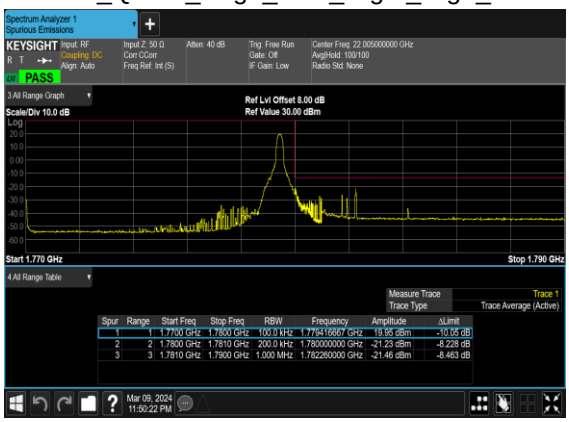


B5_N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

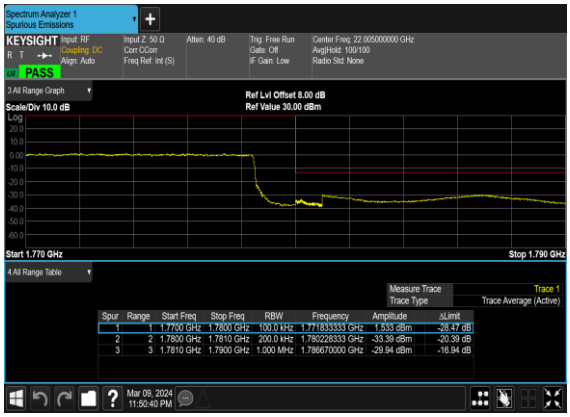
B5_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



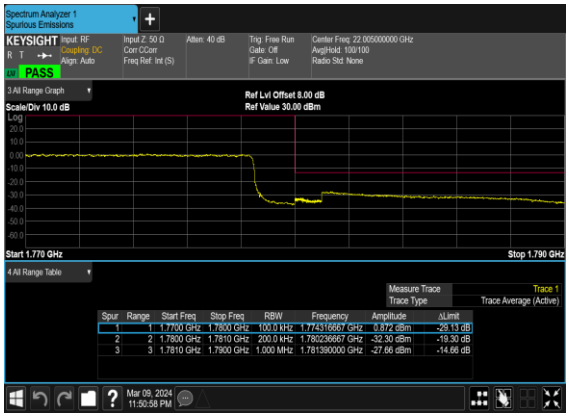
B5_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



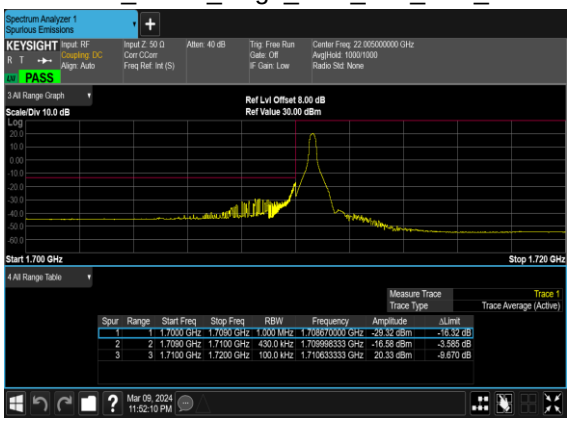
B5_N66(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



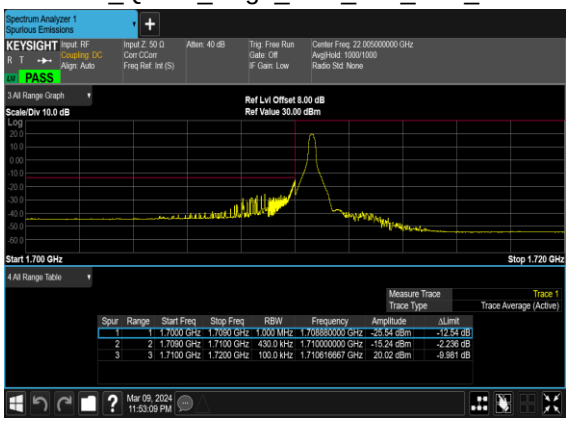
B5_N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



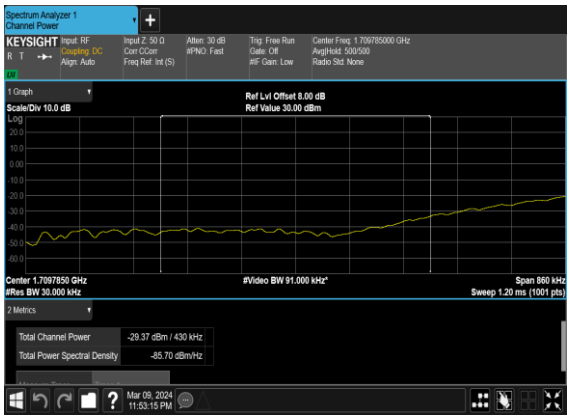
B5_N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



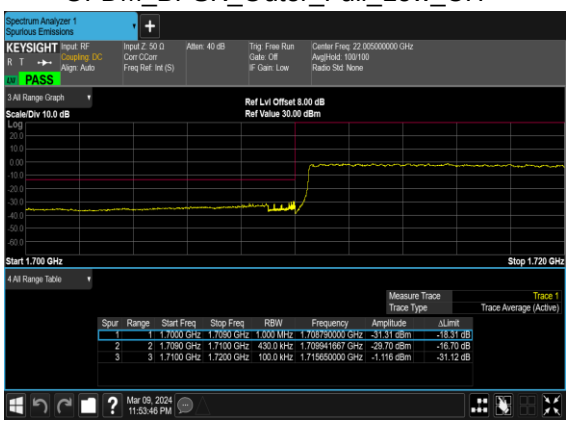
B5_N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



B5_N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**

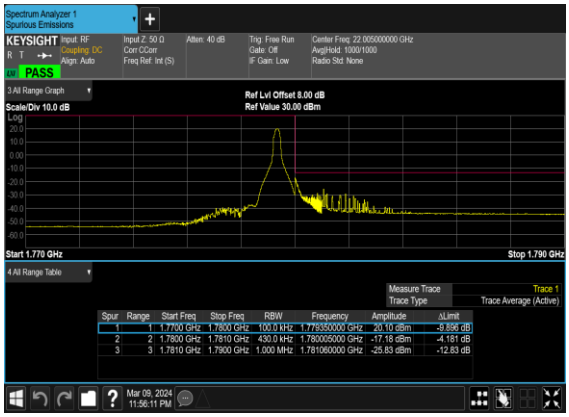


B5_N66(40M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

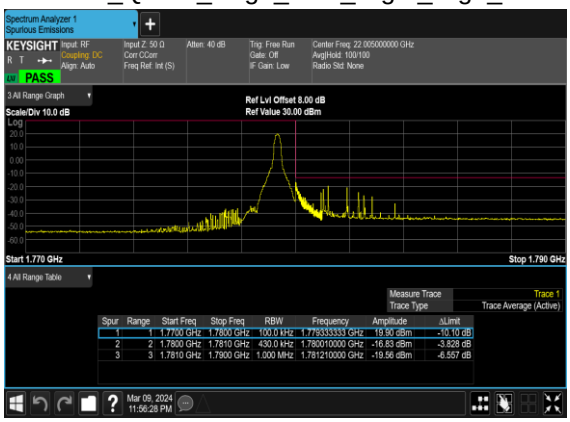


B5_N66(40M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

B5_N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

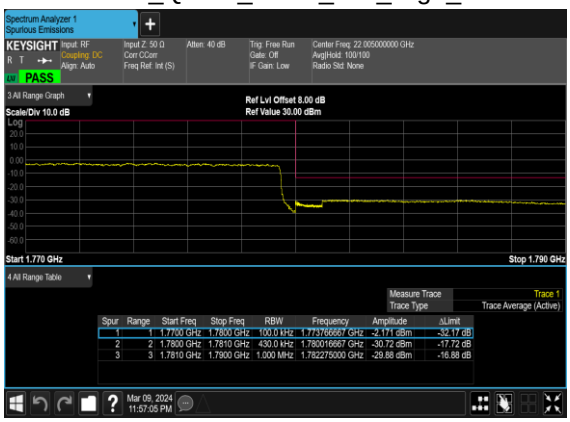


B5_N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



B5_N66(40M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

B5_N66(40M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

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

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

n2 SA / NR 20MHz / QPSK(ANT11)									
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	-54.22	-13	-41.22	-77.26	-60.97	5.85	12.60	H
	5612.25	-55.39	-13	-42.39	-79.97	-61.19	7.30	13.10	H
	7483	-54.66	-13	-41.66	-81.74	-57.81	8.35	11.50	H
	3741.5	-50.80	-13	-37.80	-75.85	-57.55	5.85	12.60	V
	5612.25	-55.49	-13	-42.49	-80.92	-61.29	7.30	13.10	V
	7483	-54.42	-13	-41.42	-81.48	-57.57	8.35	11.50	V

EN-DC_7A_n2A / LTE 10MHz + NR 20MHz / QPSK (ANT31+11)									
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	-57.57	-13	-44.57	-80.61	-64.32	5.85	12.60	H
	5612.25	-55.34	-13	-42.34	-79.92	-61.14	7.30	13.10	H
	7483	-54.22	-13	-41.22	-81.30	-57.37	8.35	11.50	H
	3741.5	-54.24	-13	-41.24	-79.29	-60.99	5.85	12.60	V
	5612.25	-56.16	-13	-43.16	-81.59	-61.96	7.30	13.10	V
	7483	-54.29	-13	-41.29	-81.35	-57.44	8.35	11.50	V
LTE Band7 Middle	5061.18	-57.66	-25	-32.66	-81.73	-63.22	7.14	12.70	H
	7591.77	-55.55	-25	-30.55	-82.18	-58.85	8.30	11.60	H
	10122.36	-52.17	-25	-27.17	-83.13	-53.69	10.48	12.00	H
	5061.18	-56.39	-25	-31.39	-81.67	-61.95	7.14	12.70	V
	7591.77	-55.68	-25	-30.68	-82.31	-58.98	8.30	11.60	V
	10122.36	-51.02	-25	-26.02	-83.03	-52.54	10.48	12.00	V

n7 SA / NR 40MHz / QPSK(ANT11)									
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	-57.56	-25	-32.56	-81.42	-63.12	7.14	12.70	H
	7549.50	-53.80	-25	-28.80	-80.62	-57.10	8.30	11.60	H
	10066.00	-52.30	-25	-27.30	-83.18	-53.82	10.48	12.00	H
	5033.00	-56.05	-25	-31.05	-81.36	-61.61	7.14	12.70	V
	7549.50	-53.47	-25	-28.47	-80.28	-56.77	8.30	11.60	V
	10066.00	-51.50	-25	-26.50	-83.19	-53.02	10.48	12.00	V

EN-DC_2A_n7A / LTE 10MHz + NR 40MHz / QPSK (ANT31+11)									
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	-58.21	-25	-33.21	-82.07	-63.77	7.14	12.70	H
	7549.50	-55.42	-25	-30.42	-82.24	-58.72	8.30	11.60	H
	10066.00	-52.65	-25	-27.65	-83.53	-54.17	10.48	12.00	H
	5033.00	-56.97	-25	-31.97	-82.28	-62.53	7.14	12.70	V
	7549.50	-55.30	-25	-30.30	-82.11	-58.60	8.30	11.60	V
	10066.00	-51.41	-25	-26.41	-83.1	-52.93	10.48	12.00	V
LTE Band2 Middle	3751.18	-58.67	-13	-45.67	-81.16	-65.42	5.85	12.60	H
	5626.77	-57.42	-13	-44.42	-81.92	-63.22	7.30	13.10	H
	7502	-54.84	-13	-41.84	-81.84	-57.99	8.35	11.50	H
	3751.18	-55.78	-13	-42.78	-81.43	-62.53	5.85	12.60	V
	5626.77	-57.08	-13	-44.08	-82.08	-62.88	7.30	13.10	V
	7502	-54.65	-13	-41.65	-81.64	-57.80	8.35	11.50	V

n26 SA / NR 20MHz / QPSK(ANT13)									
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	-65.68	-13	-52.68	-77.81	-68.93	4.00	9.40	H
	2481	-59.27	-13	-46.27	-78.52	-62.84	4.88	10.60	H
	3308	-59.27	-13	-46.27	-80.42	-64.20	5.52	12.60	H
	1654	-64.62	-13	-51.62	-77.39	-67.87	4.00	9.40	V
	2481	-59.72	-13	-46.72	-79.29	-63.29	4.88	10.60	V
	3308	-58.68	-13	-45.68	-80.53	-63.61	5.52	12.60	V

EN-DC_7A_n5A / LTE 10MHz + NR 20MHz / QPSK (ANT31+11)									
Channel	Frequency (MHz)	ERP/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 n5 Middle	1654.5	-67.06	-13	-54.06	-79.19	-70.31	4.00	9.40	H
	2481.75	-60.57	-13	-47.57	-79.82	-64.14	4.88	10.60	H
	3309	-59.45	-13	-46.45	-80.60	-64.38	5.52	12.60	H
	1654.5	-64.10	-13	-51.10	-76.87	-67.35	4.00	9.40	V
	2481.75	-59.61	-13	-46.61	-79.18	-63.18	4.88	10.60	V

	3309	-59.39	-13	-46.39	-81.24	-64.32	5.52	12.60	V
LTE Band7 Middle	5061.18	-58.17	-25	-33.17	-82.24	-63.73	7.14	12.70	H
	7591.77	-55.56	-25	-30.56	-82.19	-58.86	8.30	11.60	H
	10122.36	-52.25	-25	-27.25	-83.21	-53.77	10.48	12.00	H
	5061.18	-56.61	-25	-31.61	-81.89	-62.17	7.14	12.70	V
	7591.77	-56.00	-25	-31.00	-82.63	-59.30	8.30	11.60	V
	10122.36	-51.22	-25	-26.22	-83.23	-52.74	10.48	12.00	V

n41 SA / NR 100MHz / QPSK(ANT13)									
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	-57.39	-25	-32.39	-81.67	-62.95	7.14	12.70	H
	7633.50	-55.11	-25	-30.11	-81.65	-58.41	8.30	11.60	H
	10178.00	-52.60	-25	-27.60	-83.62	-54.12	10.48	12.00	H
	5089.00	-56.52	-25	-31.52	-81.78	-62.08	7.14	12.70	V
	7633.50	-54.64	-25	-29.64	-81.86	-57.94	8.30	11.60	V
	10178.00	-50.79	-25	-25.79	-83.03	-52.31	10.48	12.00	V

EN-DC_2A_n41A / LTE 10MHz + NR 100MHz / QPSK (ANT31+13)									
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	-57.12	-25	-32.12	-81.40	-62.68	7.14	12.70	H
	7633.50	-55.35	-25	-30.35	-81.89	-58.65	8.30	11.60	H
	10178.00	-52.44	-25	-27.44	-83.46	-53.96	10.48	12.00	H
	5089.00	-55.98	-25	-30.98	-81.24	-61.54	7.14	12.70	V
	7633.50	-54.35	-25	-29.35	-81.57	-57.65	8.30	11.60	V
	10178.00	-50.77	-25	-25.77	-83.01	-52.29	10.48	12.00	V
LTE Band2 Middle	3751.18	-58.18	-13	-45.18	-80.67	-64.93	5.85	12.60	H
	5626.77	-57.13	-13	-44.13	-81.63	-62.93	7.30	13.10	H
	7502	-54.60	-13	-41.60	-81.60	-57.75	8.35	11.50	H
	3751.18	-55.09	-13	-42.09	-80.74	-61.84	5.85	12.60	V
	5626.77	-56.78	-13	-43.78	-81.78	-62.58	7.30	13.10	V
	7502	-54.55	-13	-41.55	-81.54	-57.70	8.35	11.50	V

n66 SA / NR 40MHz / QPSK(ANT11)									
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	-58.19	-13	-45.19	-79.64	-65.04	5.65	12.50	H
	5178.74	-56.94	-13	-43.94	-81.70	-62.61	7.13	12.80	H
	6905	-55.38	-13	-42.38	-81.59	-58.78	8.40	11.80	H
	3452.5	-58.60	-13	-45.60	-80.99	-65.45	5.65	12.50	V
	5178.74	-56.71	-13	-43.71	-81.86	-62.38	7.13	12.80	V
	6905	-53.98	-13	-40.98	-81.47	-57.38	8.40	11.80	V

EN-DC_7A_n66A / LTE 10MHz + NR 40MHz / QPSK (ANT31+11)									
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	-59.42	-13	-46.42	-80.87	-66.27	5.65	12.50	H
	5178.74	-57.42	-13	-44.42	-82.18	-63.09	7.13	12.80	H
	6905	-56.25	-13	-43.25	-82.46	-59.65	8.40	11.80	H
	3452.5	-58.78	-13	-45.78	-81.17	-65.63	5.65	12.50	V
	5178.74	-57.03	-13	-44.03	-82.18	-62.70	7.13	12.80	V
	6905	-54.52	-13	-41.52	-82.01	-57.92	8.40	11.80	V
LTE Band7 Middle	5061.18	-58.04	-25	-33.04	-82.11	-63.60	7.14	12.70	H
	7591.77	-55.81	-25	-30.81	-82.44	-59.11	8.30	11.60	H
	10122.36	-52.06	-25	-27.06	-83.02	-53.58	10.48	12.00	H
	5061.18	-56.60	-25	-31.60	-81.88	-62.16	7.14	12.70	V
	7591.77	-55.94	-25	-30.94	-82.57	-59.24	8.30	11.60	V
	10122.36	-51.29	-25	-26.29	-83.3	-52.81	10.48	12.00	V

EN-DC_5A_n66A / LTE 10MHz + NR 40MHz / QPSK (ANT13+11) other PA									
Channel	Frequency (MHz)	ERP/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	-57.56	-13	-44.56	-79.01	-64.41	5.65	12.50	H
	5178.74	-56.33	-13	-43.33	-81.09	-62.00	7.13	12.80	H
	6905	-55.31	-13	-42.31	-81.52	-58.71	8.40	11.80	H
	3452.5	-56.31	-13	-43.31	-78.7	-63.16	5.65	12.50	V
	5178.74	-57.03	-13	-44.03	-82.18	-62.70	7.13	12.80	V
	6905	-54.35	-13	-41.35	-81.84	-57.75	8.40	11.80	V
LTE Band5 Middle	1664.18	-67.08	-13	-54.08	-79.28	-70.33	4.00	9.40	H
	2496.27	-61.67	-13	-48.67	-81.04	-65.24	4.88	10.60	H
	3328.36	-60.88	-13	-47.88	-82.13	-65.81	5.52	12.60	H
	1664.18	-66.14	-13	-53.14	-79.01	-69.39	4.00	9.40	V
	2496.27	-61.06	-13	-48.06	-80.69	-64.63	4.88	10.60	V
	3328.36	-60.23	-13	-47.23	-81.98	-65.16	5.52	12.60	V

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