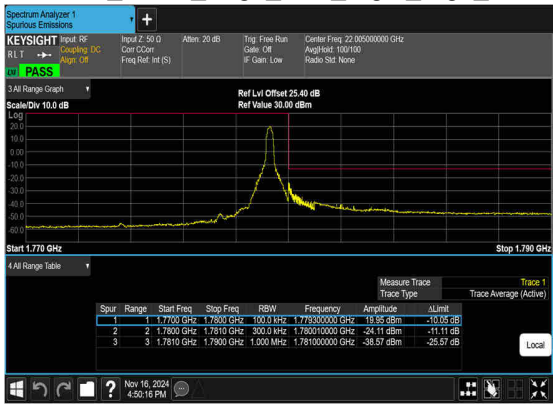
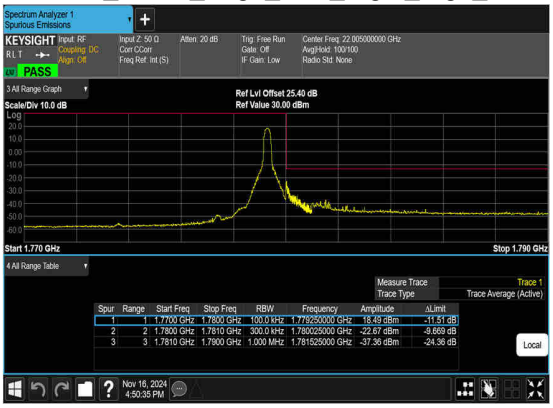
N66(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N66(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N66(30M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

N66(30M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

Software Version: 23.06.1602

FR1 N66 ANT2 (Other PA)

LTE Band: 2, LTE BW: 20M, LTE ARFCN: Mid

Transmitter Conducted Output Power And EIRP, (GT - LC)= -0.18dB

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
66	15	30	345000	1725	DFT-s-OFDM PI/2 BPSK	80@40	23.88	23.70	0.2344
66	15	30	345000	1725	DFT-s-OFDM PI/2 BPSK	1@1	23.57	23.39	0.2183
66	15	30	345000	1725	DFT-s-OFDM PI/2 BPSK	1@158	23.79	23.61	0.2296
66	15	30	345000	1725	DFT-s-OFDM QPSK	80@40	23.92	23.74	0.2366
66	15	30	345000	1725	DFT-s-OFDM QPSK	1@1	23.45	23.27	0.2123
66	15	30	345000	1725	DFT-s-OFDM QPSK	1@158	23.71	23.53	0.2254
66	15	30	345000	1725	DFT-s-OFDM 16 QAM	80@40	23.07	22.89	0.1945
66	15	30	345000	1725	DFT-s-OFDM 16 QAM	1@1	19.45	19.27	0.0845
66	15	30	345000	1725	DFT-s-OFDM 16 QAM	1@158	23.02	22.84	0.1923
66	15	30	345000	1725	DFT-s-OFDM 64 QAM	80@40	18.88	18.70	0.0741
66	15	30	345000	1725	DFT-s-OFDM 64 QAM	1@1	21.14	20.96	0.1247
66	15	30	345000	1725	DFT-s-OFDM 64 QAM	1@158	21.51	21.33	0.1358
66	15	30	345000	1725	DFT-s-OFDM 256 QAM	80@40	19.47	19.29	0.0849
66	15	30	345000	1725	DFT-s-OFDM 256 QAM	1@1	19.51	19.33	0.0857
66	15	30	345000	1725	DFT-s-OFDM 256 QAM	1@158	19.46	19.28	0.0847
66	15	30	345000	1725	CP-OFDM QPSK	80@40	22.61	22.43	0.1750
66	15	30	345000	1725	CP-OFDM QPSK	1@1	22.05	21.87	0.1538
66	15	30	345000	1725	CP-OFDM QPSK	1@158	22.36	22.18	0.1652
66	15	30	349000	1745	DFT-s-OFDM PI/2 BPSK	80@40	23.93	23.75	0.2371
66	15	30	349000	1745	DFT-s-OFDM PI/2 BPSK	1@1	23.71	23.53	0.2254
66	15	30	349000	1745	DFT-s-OFDM PI/2 BPSK	1@158	23.96	23.78	0.2388
66	15	30	349000	1745	DFT-s-OFDM QPSK	80@40	23.98	23.80	0.2399
66	15	30	349000	1745	DFT-s-OFDM QPSK	1@1	23.77	23.59	0.2286
66	15	30	349000	1745	DFT-s-OFDM QPSK	1@158	21.14	20.96	0.1247
66	15	30	349000	1745	DFT-s-OFDM 16 QAM	80@40	22.76	22.58	0.1811
66	15	30	349000	1745	DFT-s-OFDM 16 QAM	1@1	20.17	19.99	0.0998
66	15	30	349000	1745	DFT-s-OFDM 16 QAM	1@158	21.76	21.58	0.1439
66	15	30	349000	1745	DFT-s-OFDM 64 QAM	80@40	18.40	18.22	0.0664
66	15	30	349000	1745	DFT-s-OFDM 64 QAM	1@1	21.44	21.26	0.1337
66	15	30	349000	1745	DFT-s-OFDM 64 QAM	1@158	21.58	21.40	0.1380
66	15	30	349000	1745	DFT-s-OFDM 256 QAM	80@40	19.36	19.18	0.0828
66	15	30	349000	1745	DFT-s-OFDM 256 QAM	1@1	19.49	19.31	0.0853
66	15	30	349000	1745	DFT-s-OFDM 256 QAM	1@158	19.78	19.60	0.0912
66	15	30	349000	1745	CP-OFDM QPSK	80@40	22.55	22.37	0.1726

66	15	30	349000	1745	CP-OFDM QPSK	1@1	22.39	22.21	0.1663
66	15	30	349000	1745	CP-OFDM QPSK	1@158	22.52	22.34	0.1714
66	15	30	353000	1765	DFT-s-OFDM PI/2 BPSK	80@40	23.96	23.78	0.2388
66	15	30	353000	1765	DFT-s-OFDM PI/2 BPSK	1@1	23.82	23.64	0.2312
66	15	30	353000	1765	DFT-s-OFDM PI/2 BPSK	1@158	24.01	23.83	0.2415
66	15	30	353000	1765	DFT-s-OFDM QPSK	80@40	24.02	23.84	0.2421
66	15	30	353000	1765	DFT-s-OFDM QPSK	1@1	22.91	22.73	0.1875
66	15	30	353000	1765	DFT-s-OFDM QPSK	1@158	24.04	23.86	0.2432
66	15	30	353000	1765	DFT-s-OFDM 16 QAM	80@40	20.33	20.15	0.1035
66	15	30	353000	1765	DFT-s-OFDM 16 QAM	1@1	20.12	19.94	0.0986
66	15	30	353000	1765	DFT-s-OFDM 16 QAM	1@158	20.26	20.08	0.1019
66	15	30	353000	1765	DFT-s-OFDM 64 QAM	80@40	18.65	18.47	0.0703
66	15	30	353000	1765	DFT-s-OFDM 64 QAM	1@1	20.03	19.85	0.0966
66	15	30	353000	1765	DFT-s-OFDM 64 QAM	1@158	21.71	21.53	0.1422
66	15	30	353000	1765	DFT-s-OFDM 256 QAM	80@40	19.62	19.44	0.0879
66	15	30	353000	1765	DFT-s-OFDM 256 QAM	1@1	19.71	19.53	0.0897
66	15	30	353000	1765	DFT-s-OFDM 256 QAM	1@158	19.66	19.48	0.0887
66	15	30	353000	1765	CP-OFDM QPSK	80@40	22.56	22.38	0.1730
66	15	30	353000	1765	CP-OFDM QPSK	1@1	22.48	22.30	0.1698
66	15	30	353000	1765	CP-OFDM QPSK	1@158	22.68	22.50	0.1778
66	15	5	342500	1712.5	DFT-s-OFDM PI/2 BPSK	1@1	23.59	23.41	0.2193
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@1	23.81	23.63	0.2307
66	15	5	342500	1712.5	DFT-s-OFDM 16 QAM	1@1	22.87	22.69	0.1858
66	15	5	349000	1745	DFT-s-OFDM PI/2 BPSK	1@1	23.67	23.49	0.2234
66	15	5	349000	1745	DFT-s-OFDM QPSK	1@1	23.97	23.79	0.2393
66	15	5	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.92	22.74	0.1879
66	15	5	355500	1777.5	DFT-s-OFDM PI/2 BPSK	1@1	23.87	23.69	0.2339
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@1	23.90	23.72	0.2355
66	15	5	355500	1777.5	DFT-s-OFDM 16 QAM	1@1	23.14	22.96	0.1977
66	15	10	343000	1715	DFT-s-OFDM PI/2 BPSK	1@1	23.60	23.42	0.2198
66	15	10	343000	1715	DFT-s-OFDM QPSK	1@1	23.70	23.52	0.2249
66	15	10	343000	1715	DFT-s-OFDM 16 QAM	1@1	22.91	22.73	0.1875
66	15	10	349000	1745	DFT-s-OFDM PI/2 BPSK	1@1	23.80	23.62	0.2301
66	15	10	349000	1745	DFT-s-OFDM QPSK	1@1	23.93	23.75	0.2371
66	15	10	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.87	22.69	0.1858
66	15	10	355000	1775	DFT-s-OFDM PI/2 BPSK	1@1	23.67	23.49	0.2234
66	15	10	355000	1775	DFT-s-OFDM QPSK	1@1	23.81	23.63	0.2307
66	15	10	355000	1775	DFT-s-OFDM 16 QAM	1@1	22.71	22.53	0.1791
66	15	15	343500	1717.5	DFT-s-OFDM PI/2 BPSK	1@1	23.62	23.44	0.2208
66	15	15	343500	1717.5	DFT-s-OFDM QPSK	1@1	23.66	23.48	0.2228
66	15	15	343500	1717.5	DFT-s-OFDM 16 QAM	1@1	22.79	22.61	0.1824
66	15	15	349000	1745	DFT-s-OFDM PI/2 BPSK	1@1	23.78	23.60	0.2291
66	15	15	349000	1745	DFT-s-OFDM QPSK	1@1	23.74	23.56	0.2270

66	15	15	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.84	22.66	0.1845
66	15	15	354500	1772.5	DFT-s-OFDM PI/2 BPSK	1@1	23.92	23.74	0.2366
66	15	15	354500	1772.5	DFT-s-OFDM QPSK	1@1	23.96	23.78	0.2388
66	15	15	354500	1772.5	DFT-s-OFDM 16 QAM	1@1	22.92	22.74	0.1879
66	15	20	344000	1720	DFT-s-OFDM PI/2 BPSK	1@1	23.60	23.42	0.2198
66	15	20	344000	1720	DFT-s-OFDM QPSK	1@1	23.70	23.52	0.2249
66	15	20	344000	1720	DFT-s-OFDM 16 QAM	1@1	22.74	22.56	0.1803
66	15	20	349000	1745	DFT-s-OFDM PI/2 BPSK	1@1	23.78	23.60	0.2291
66	15	20	349000	1745	DFT-s-OFDM QPSK	1@1	24.03	23.85	0.2427
66	15	20	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.95	22.77	0.1892
66	15	20	354000	1770	DFT-s-OFDM PI/2 BPSK	1@1	23.90	23.72	0.2355
66	15	20	354000	1770	DFT-s-OFDM QPSK	1@1	24.01	23.83	0.2415
66	15	20	354000	1770	DFT-s-OFDM 16 QAM	1@1	23.04	22.86	0.1932
66	15	25	344500	1722.5	DFT-s-OFDM PI/2 BPSK	1@1	23.69	23.51	0.2244
66	15	25	344500	1722.5	DFT-s-OFDM QPSK	1@1	23.75	23.57	0.2275
66	15	25	344500	1722.5	DFT-s-OFDM 16 QAM	1@1	22.93	22.75	0.1884
66	15	25	349000	1745	DFT-s-OFDM PI/2 BPSK	1@1	23.95	23.77	0.2382
66	15	25	349000	1745	DFT-s-OFDM QPSK	1@1	24.08	23.90	0.2455
66	15	25	349000	1745	DFT-s-OFDM 16 QAM	1@1	23.23	23.05	0.2018
66	15	25	353500	1767.5	DFT-s-OFDM PI/2 BPSK	1@1	24.04	23.86	0.2432
66	15	25	353500	1767.5	DFT-s-OFDM QPSK	1@1	24.01	23.83	0.2415
66	15	25	353500	1767.5	DFT-s-OFDM 16 QAM	1@1	23.14	22.96	0.1977

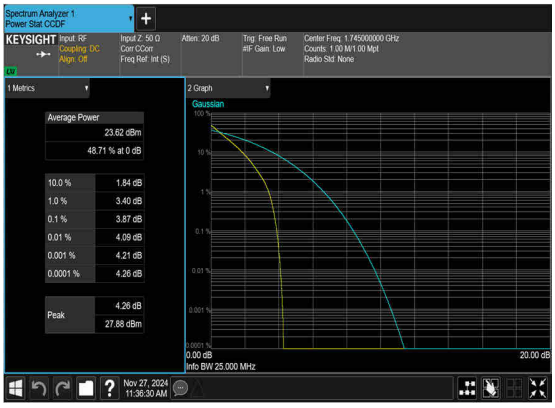
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
66	15	20	349000	1745.0	DFT-s-OFDM PI/2 BPSK	100@0	0.0015	**PASS**	NV
66	15	20	349000	1745.0	DFT-s-OFDM PI/2 BPSK	100@0	-0.0009	**PASS**	LV
66	15	20	349000	1745.0	DFT-s-OFDM PI/2 BPSK	100@0	0.0013	**PASS**	HV
66	15	20	349000	1745.0	DFT-s-OFDM PI/2 BPSK	100@0	0.0027	**PASS**	-30℃
66	15	20	349000	1745.0	DFT-s-OFDM PI/2 BPSK	100@0	-0.0005	**PASS**	-20℃
66	15	20	349000	1745.0	DFT-s-OFDM PI/2 BPSK	100@0	0.0015	**PASS**	-10℃
66	15	20	349000	1745.0	DFT-s-OFDM PI/2 BPSK	100@0	0.0034	**PASS**	0℃
66	15	20	349000	1745.0	DFT-s-OFDM PI/2 BPSK	100@0	0.0012	**PASS**	10℃
66	15	20	349000	1745.0	DFT-s-OFDM PI/2 BPSK	100@0	-0.0013	**PASS**	20℃
66	15	20	349000	1745.0	DFT-s-OFDM PI/2 BPSK	100@0	-0.0009	**PASS**	30℃
66	15	20	349000	1745.0	DFT-s-OFDM PI/2 BPSK	100@0	-0.0003	**PASS**	40℃
66	15	20	349000	1745.0	DFT-s-OFDM PI/2 BPSK	100@0	0.0024	**PASS**	50℃

Peak to Average Ratio

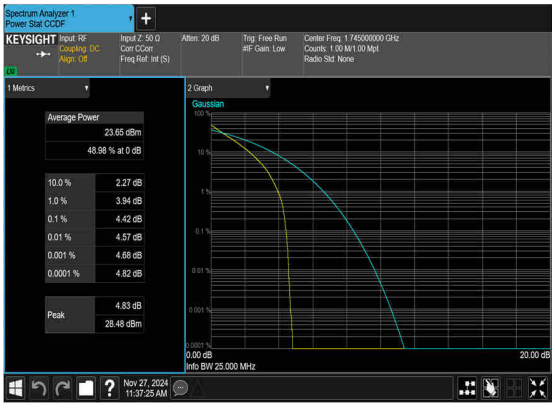
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
66	15	20	349000	1745.0	DFT-s-OFDM PI/2 BPSK	100@0	3.87	13	**PASS**
66	15	20	349000	1745.0	DFT-s-OFDM PI/2 BPSK	1@0	3.69	13	**PASS**
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	4.42	13	**PASS**
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	1@0	3.97	13	**PASS**

B2_N66(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

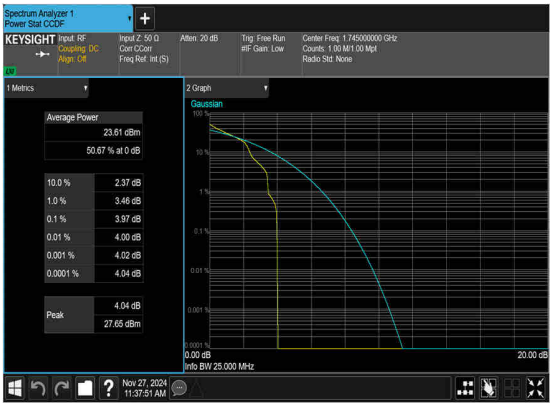


B2_N66(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH

B2_N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



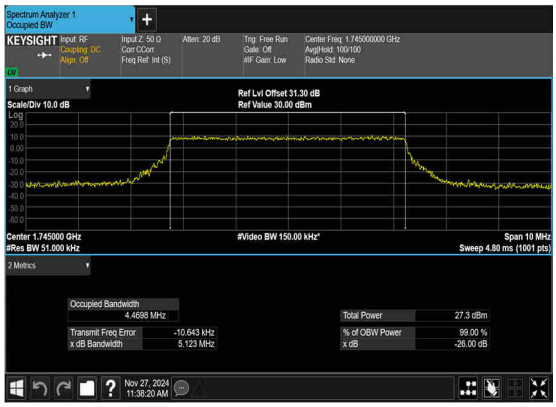
B2_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



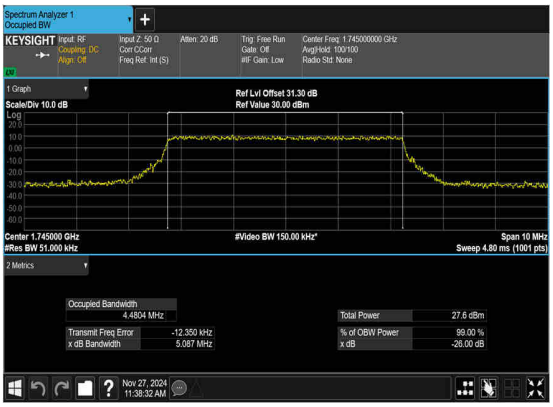
Occupied Bandwidth

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	4.4698	5.123
66	15	5	349000	1745.0	CP-OFDM 16 QAM	25@0	4.4804	5.087
66	15	5	349000	1745.0	CP-OFDM 64 QAM	25@0	4.4799	5.029
66	15	5	349000	1745.0	CP-OFDM 256 QAM	25@0	4.475	5.075
66	15	10	349000	1745.0	CP-OFDM QPSK	52@0	9.2753	10.04
66	15	10	349000	1745.0	CP-OFDM 16 QAM	52@0	9.2919	9.965
66	15	10	349000	1745.0	CP-OFDM 64 QAM	52@0	9.2974	10.07
66	15	10	349000	1745.0	CP-OFDM 256 QAM	52@0	9.2842	10.02
66	15	15	349000	1745.0	CP-OFDM QPSK	79@0	14.116	14.94
66	15	15	349000	1745.0	CP-OFDM 16 QAM	79@0	14.103	14.93
66	15	15	349000	1745.0	CP-OFDM 64 QAM	79@0	14.108	14.85
66	15	15	349000	1745.0	CP-OFDM 256 QAM	79@0	14.102	14.95
66	15	20	349000	1745.0	CP-OFDM QPSK	106@0	18.954	19.77
66	15	20	349000	1745.0	CP-OFDM 16 QAM	106@0	18.883	19.85
66	15	20	349000	1745.0	CP-OFDM 64 QAM	106@0	18.892	19.8
66	15	20	349000	1745.0	CP-OFDM 256 QAM	106@0	18.949	19.78
66	15	25	349000	1745.0	CP-OFDM QPSK	133@0	23.788	24.79
66	15	25	349000	1745.0	CP-OFDM 16 QAM	133@0	23.774	24.99
66	15	25	349000	1745.0	CP-OFDM 64 QAM	133@0	23.792	24.94
66	15	25	349000	1745.0	CP-OFDM 256 QAM	133@0	23.714	24.72
66	15	30	349000	1745.0	CP-OFDM QPSK	160@0	28.511	29.71
66	15	30	349000	1745.0	CP-OFDM 16 QAM	160@0	28.588	30.03
66	15	30	349000	1745.0	CP-OFDM 64 QAM	160@0	28.546	29.55
66	15	30	349000	1745.0	CP-OFDM 256 QAM	160@0	28.542	29.56

B2_N66(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

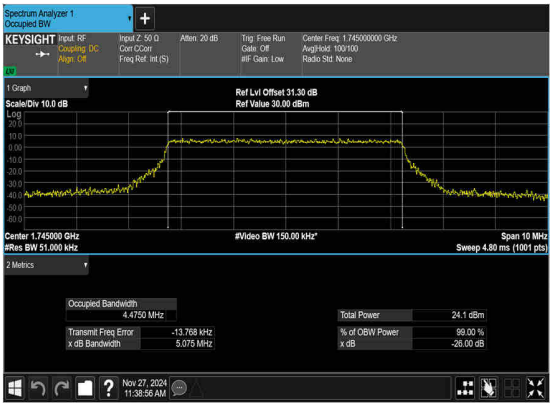


B2_N66(5M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

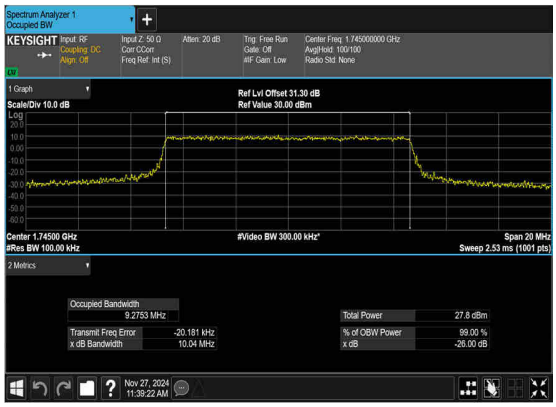


B2_N66(5M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

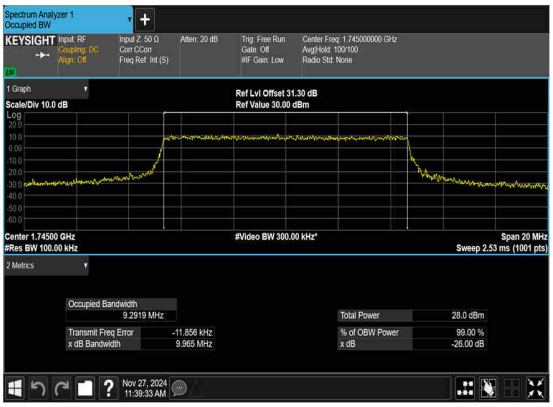
B2_N66(5M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



B2_N66(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

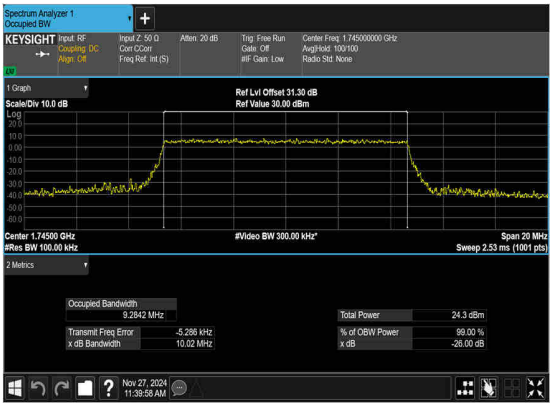


B2_N66(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



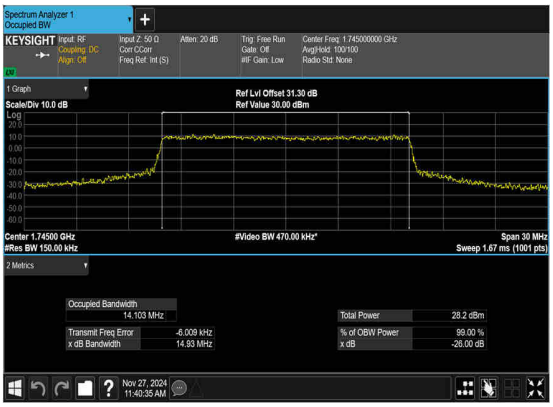
B2_N66(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

B2_N66(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



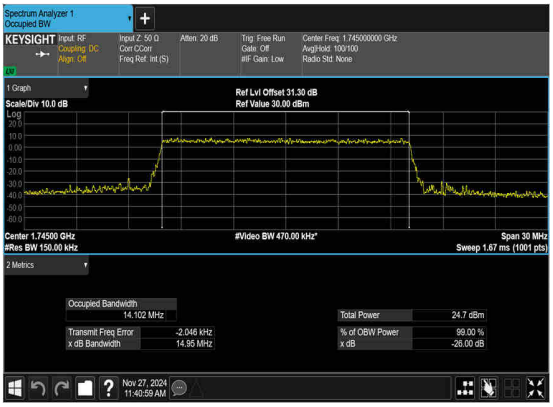
B2_N66(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

B2_N66(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



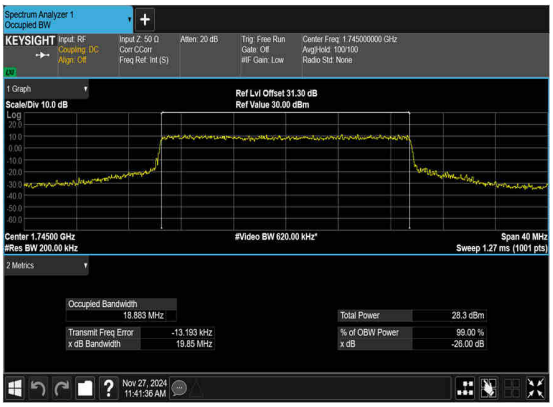
B2_N66(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

B2_N66(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



B2_N66(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

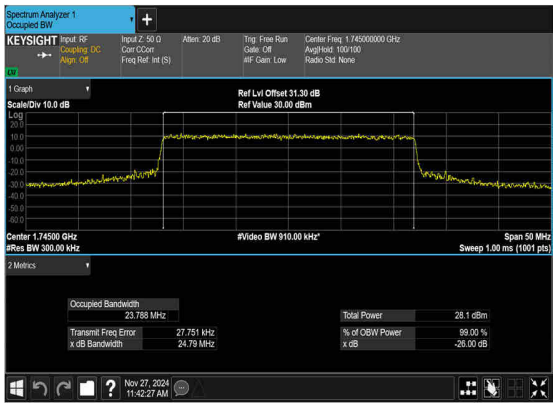
B2_N66(20M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



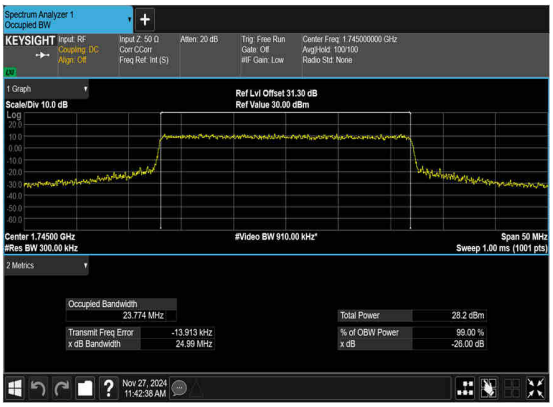
B2_N66(20M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

B2_N66(20M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

B2_N66(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

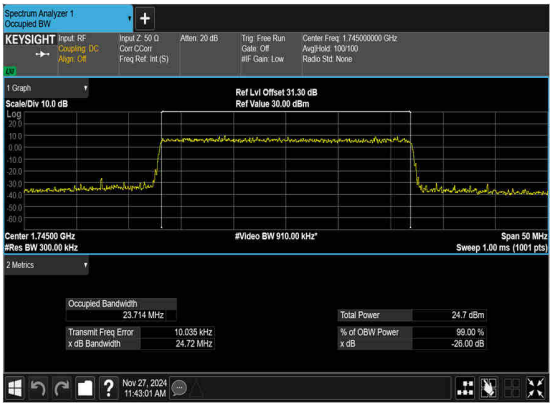


B2_N66(25M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

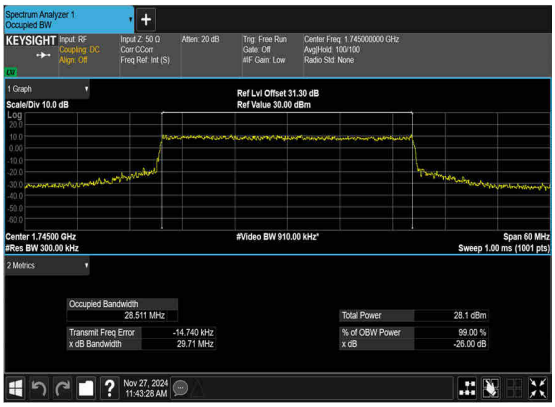


B2_N66(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

B2_N66(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



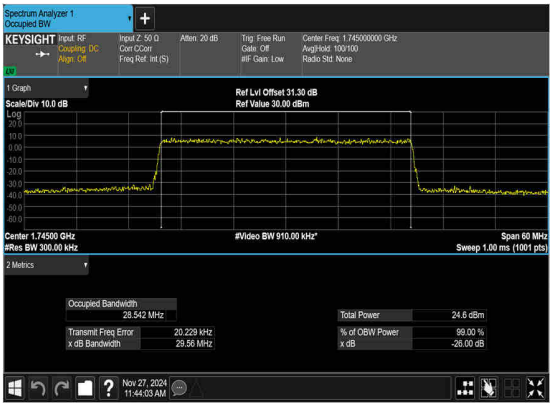
B2_N66(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



B2_N66(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

B2_N66(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

B2_N66(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

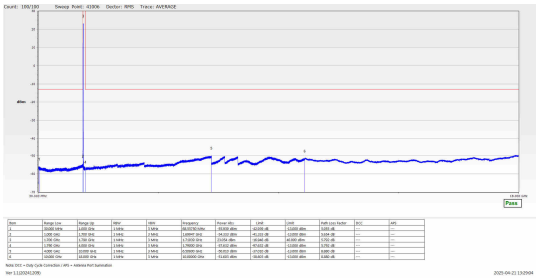


Conducted Spurious Emissions

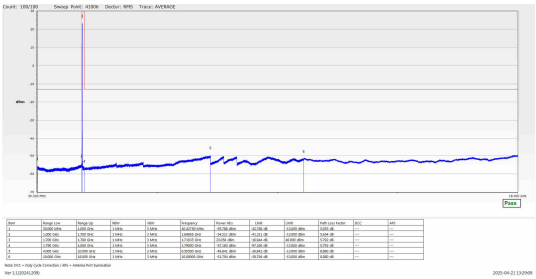
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	**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	30	345000	1725.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	30	345000	1725.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	30	345000	1725.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	30	345000	1725.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	30	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	30	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	30	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	30	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	30	353000	1765.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	30	353000	1765.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	30	353000	1765.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	30	353000	1765.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

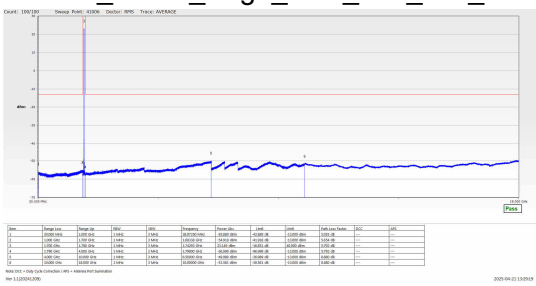
B2_N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



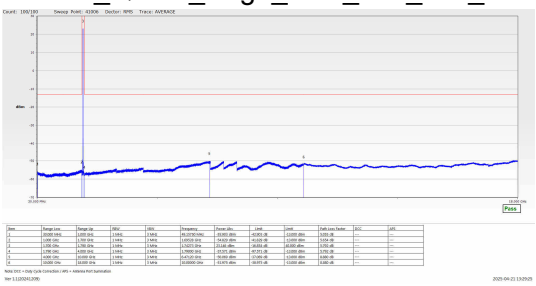
B2_N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



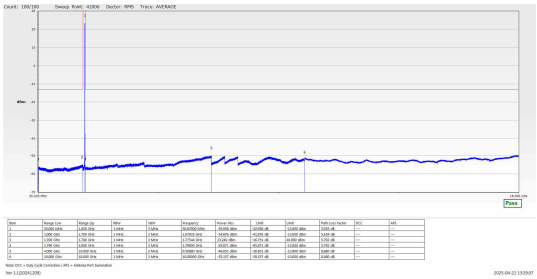
B2_N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



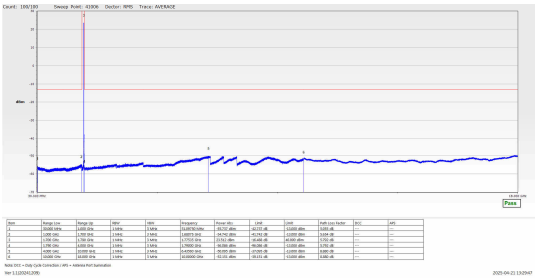
B2_N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



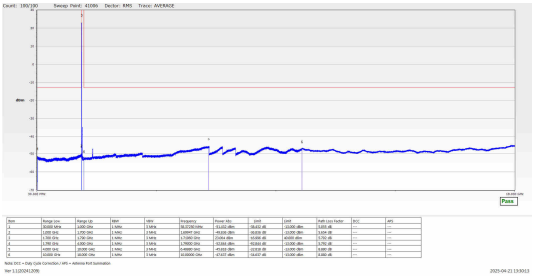
B2_N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



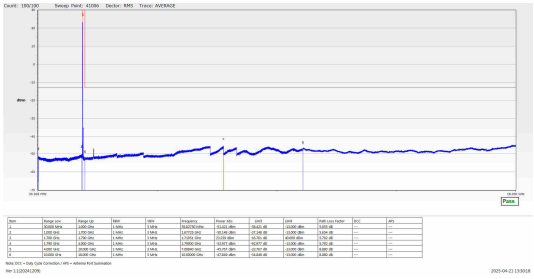
B2_N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



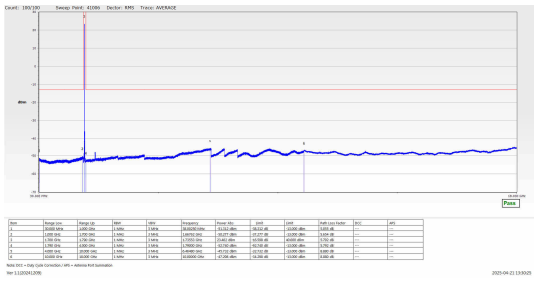
B2_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



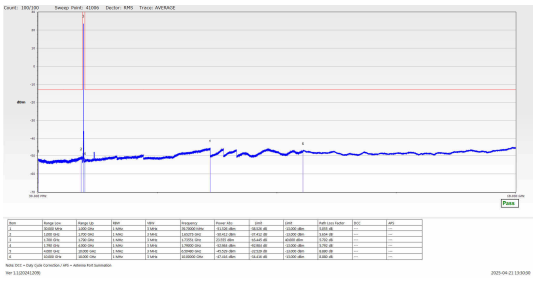
B2_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



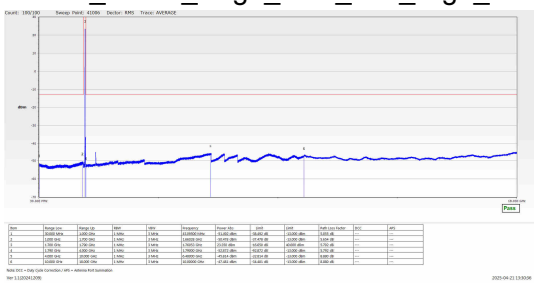
B2_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



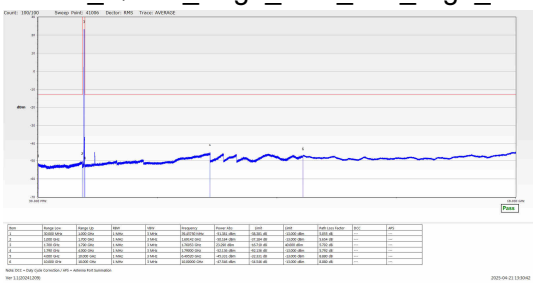
B2_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



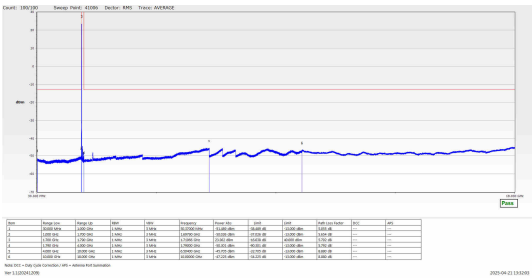
B2_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



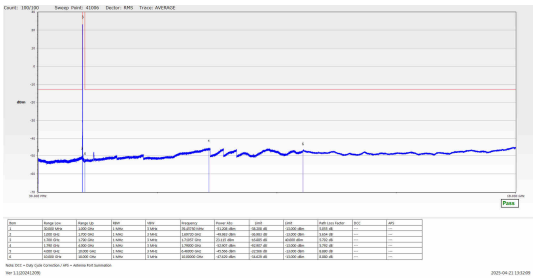
B2_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



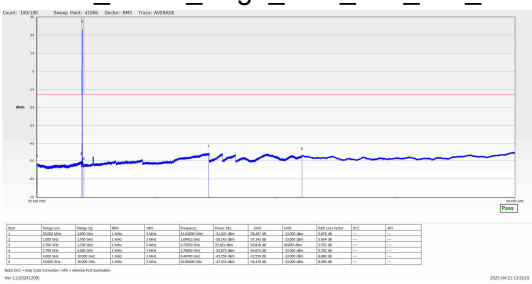
B2_N66(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



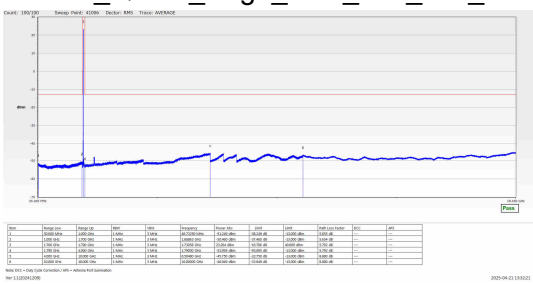
B2_N66(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



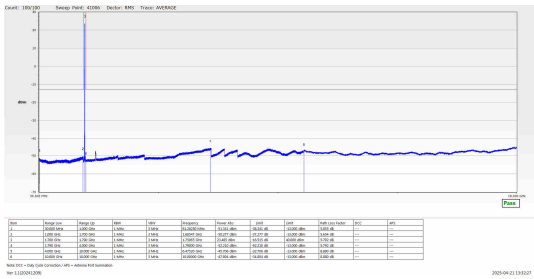
B2_N66(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



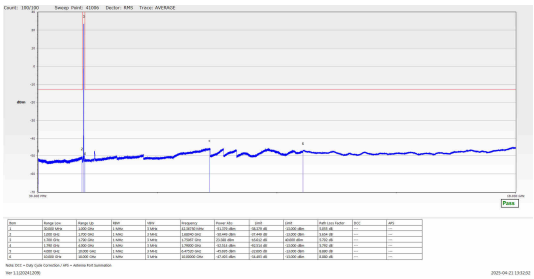
B2_N66(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



B2_N66(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



B2_N66(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

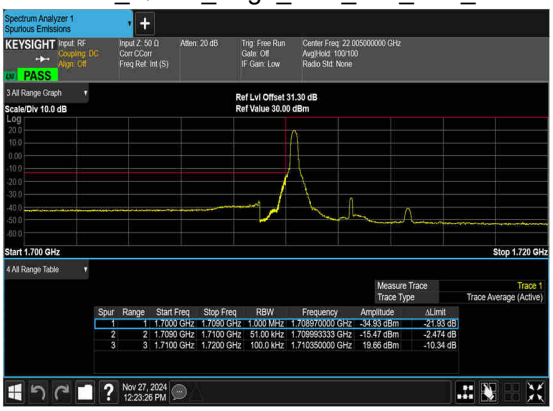


Conducted Band Edge

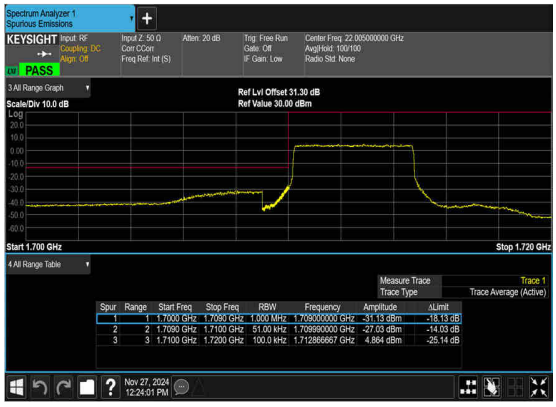
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	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	30	345000	1725.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	30	345000	1725.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	30	345000	1725.0	DFT-s-OFDM BPSK	160@0	see graph	**PASS**
66	15	30	345000	1725.0	DFT-s-OFDM QPSK	160@0	see graph	**PASS**
66	15	30	353000	1765.0	DFT-s-OFDM BPSK	1@159	see graph	**PASS**
66	15	30	353000	1765.0	DFT-s-OFDM QPSK	1@159	see graph	**PASS**
66	15	30	353000	1765.0	DFT-s-OFDM BPSK	160@0	see graph	**PASS**
66	15	30	353000	1765.0	DFT-s-OFDM QPSK	160@0	see graph	**PASS**

B2_N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

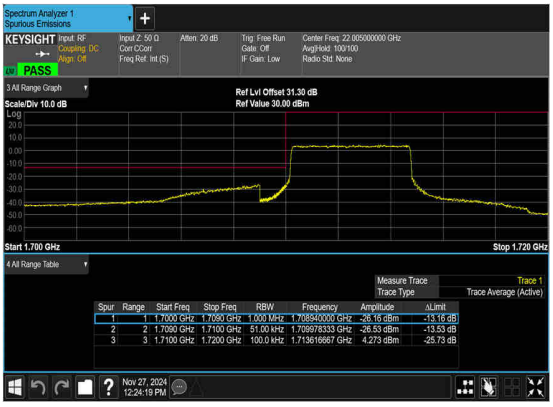
B2_N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



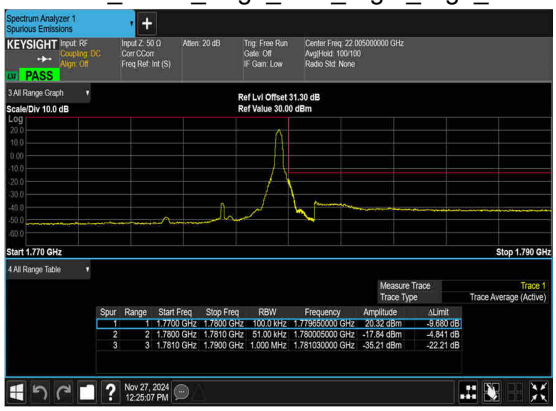
B2_N66(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



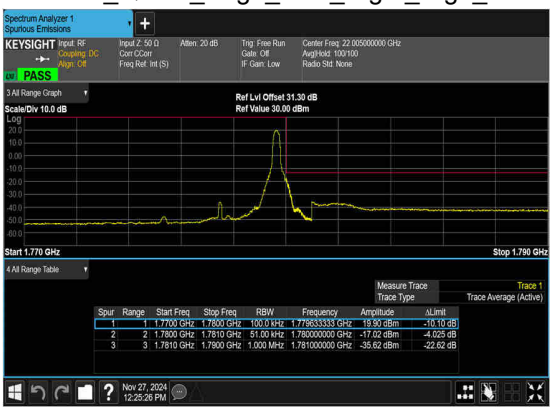
B2_N66(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



B2_N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

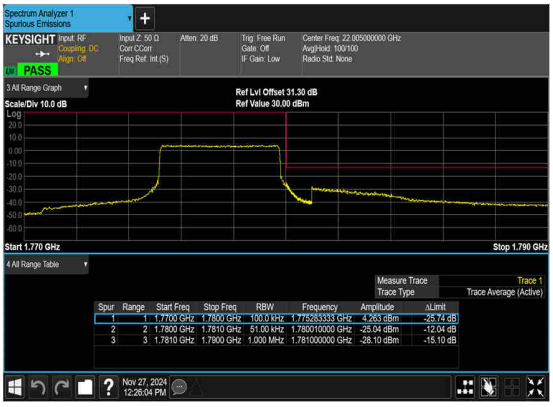


B2_N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

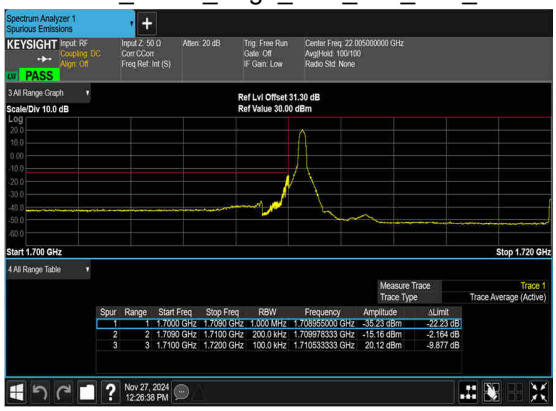


B2_N66(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

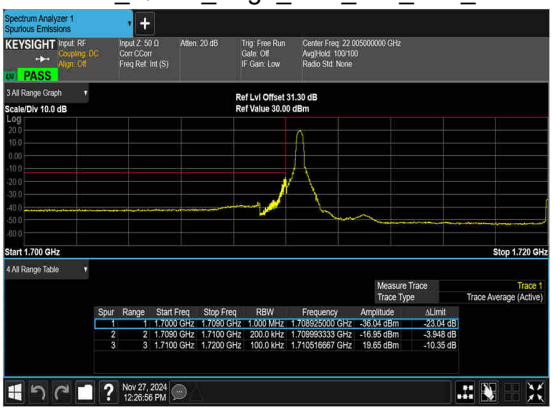
B2_N66(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



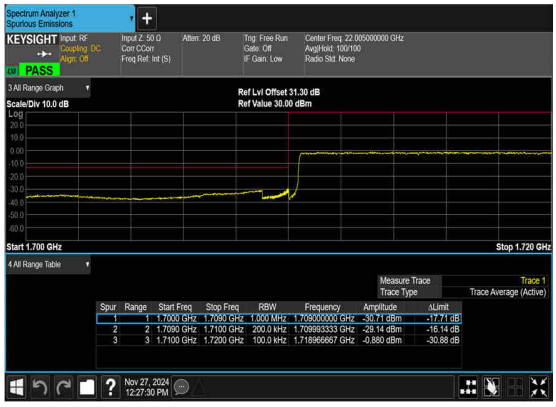
B2_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



B2_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



B2_N66(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



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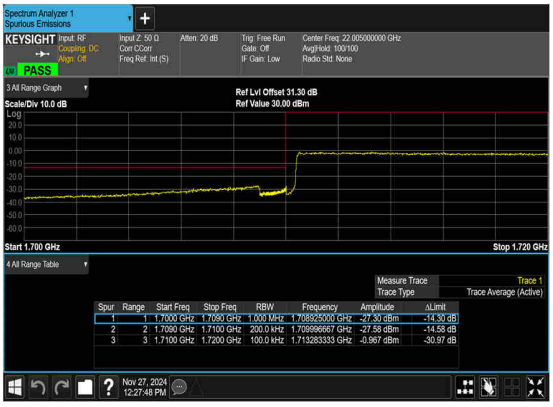
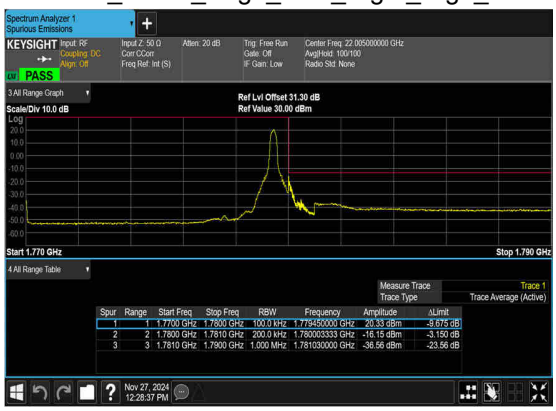
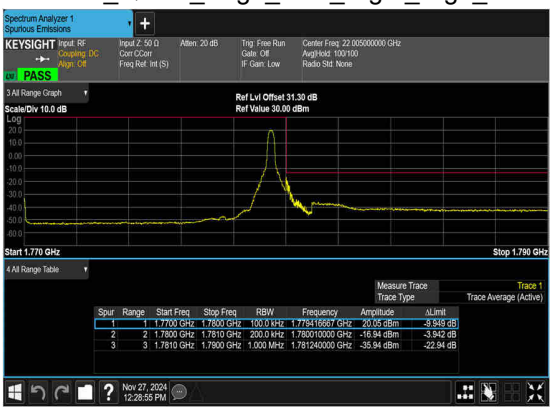


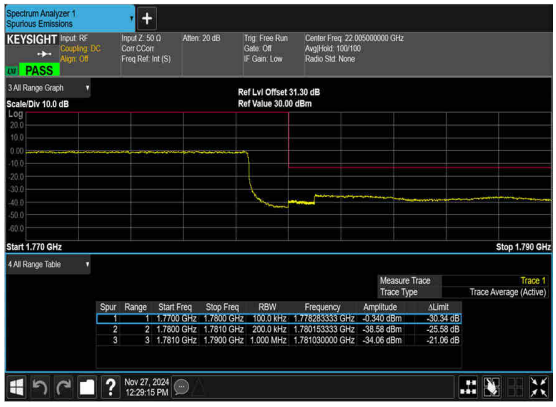
B2_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



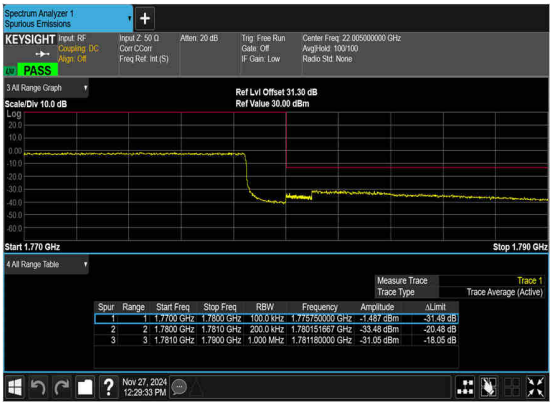
B2_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



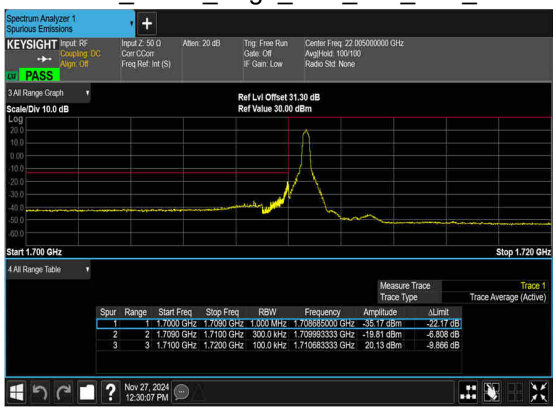
B2_N66(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



B2_N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

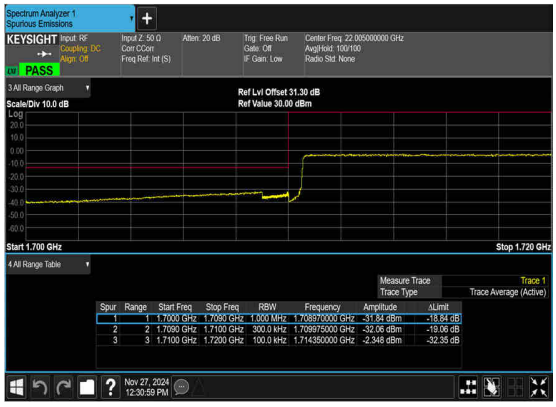


B2_N66(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

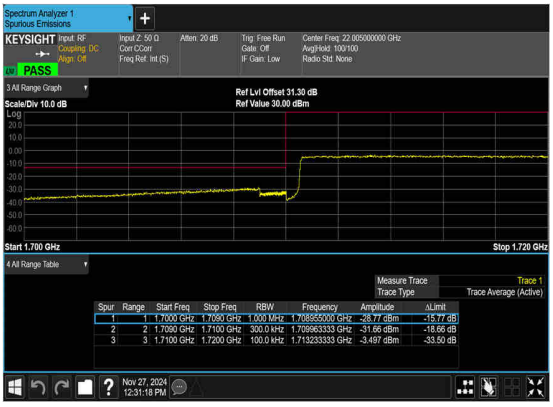


B2_N66(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

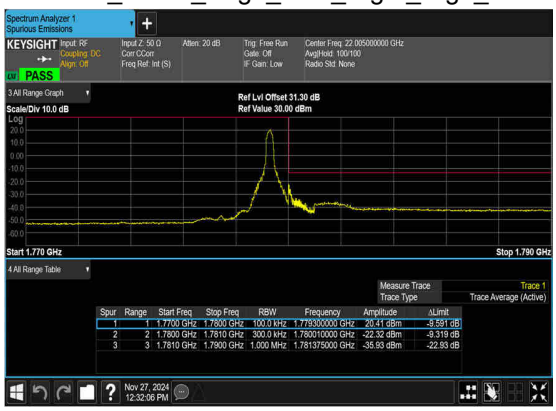
B2_N66(30M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



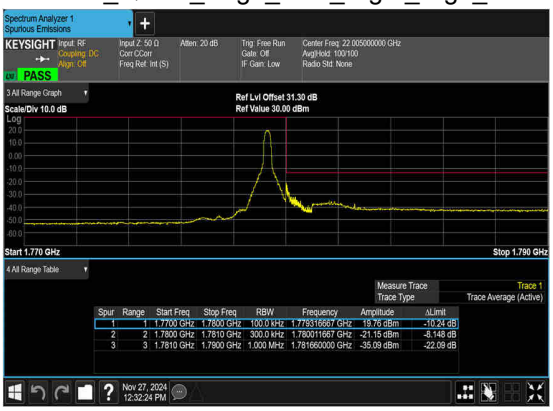
B2_N66(30M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



B2_N66(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



B2_N66(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



B2_N66(30M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

B2_N66(30M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

Software Version: 23.06.1602

FR1 N70 ANT5

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=-3.02dB

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
70	15	5	339500	1697.5	DFT-s-OFDM PI/2 BPSK	1@1	21.26	18.24	0.0667
70	15	5	339500	1697.5	DFT-s-OFDM QPSK	1@1	21.46	18.44	0.0698
70	15	5	339500	1697.5	DFT-s-OFDM 16 QAM	1@1	20.65	17.63	0.0579
70	15	5	340500	1702.5	DFT-s-OFDM PI/2 BPSK	1@1	21.32	18.3	0.0676
70	15	5	340500	1702.5	DFT-s-OFDM QPSK	1@1	21.48	18.46	0.0701
70	15	5	340500	1702.5	DFT-s-OFDM 16 QAM	1@1	20.7	17.68	0.0586
70	15	5	341500	1707.5	DFT-s-OFDM PI/2 BPSK	1@1	21.49	18.47	0.0703
70	15	5	341500	1707.5	DFT-s-OFDM QPSK	1@1	21.53	18.51	0.0710
70	15	5	341500	1707.5	DFT-s-OFDM 16 QAM	1@1	20.74	17.72	0.0592
70	15	10	340000	1700	DFT-s-OFDM PI/2 BPSK	1@1	21.32	18.3	0.0676
70	15	10	340000	1700	DFT-s-OFDM QPSK	1@1	21.38	18.36	0.0685
70	15	10	340000	1700	DFT-s-OFDM 16 QAM	1@1	20.55	17.53	0.0566
70	15	10	340500	1702.5	DFT-s-OFDM PI/2 BPSK	1@1	21.29	18.27	0.0671
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	1@1	21.44	18.42	0.0695
70	15	10	340500	1702.5	DFT-s-OFDM 16 QAM	1@1	20.58	17.56	0.0570
70	15	10	341000	1705	DFT-s-OFDM PI/2 BPSK	1@1	21.33	18.31	0.0678
70	15	10	341000	1705	DFT-s-OFDM QPSK	1@1	21.44	18.42	0.0695
70	15	10	341000	1705	DFT-s-OFDM 16 QAM	1@1	20.65	17.63	0.0579
70	15	15	340500	1702.5	DFT-s-OFDM PI/2 BPSK	36@18	21.54	18.52	0.0711
70	15	15	340500	1702.5	DFT-s-OFDM PI/2 BPSK	1@1	21.29	18.27	0.0671
70	15	15	340500	1702.5	DFT-s-OFDM PI/2 BPSK	1@77	21.52	18.5	0.0708
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	36@18	21.52	18.5	0.0708
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	1@1	21.51	18.49	0.0706
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	1@77	21.6	18.58	0.0721
70	15	15	340500	1702.5	DFT-s-OFDM 16 QAM	36@18	20.64	17.62	0.0578
70	15	15	340500	1702.5	DFT-s-OFDM 16 QAM	1@1	20.63	17.61	0.0577
70	15	15	340500	1702.5	DFT-s-OFDM 16 QAM	1@77	20.76	17.74	0.0594
70	15	15	340500	1702.5	DFT-s-OFDM 64 QAM	36@18	19.16	16.14	0.0411
70	15	15	340500	1702.5	DFT-s-OFDM 64 QAM	1@1	19.2	16.18	0.0415
70	15	15	340500	1702.5	DFT-s-OFDM 64 QAM	1@77	19.31	16.29	0.0426
70	15	15	340500	1702.5	DFT-s-OFDM 256 QAM	36@18	16.99	13.97	0.0249
70	15	15	340500	1702.5	DFT-s-OFDM 256 QAM	1@1	16.76	13.74	0.0237
70	15	15	340500	1702.5	DFT-s-OFDM 256 QAM	1@77	16.95	13.93	0.0247
70	15	15	340500	1702.5	CP-OFDM QPSK	39@19	20.16	17.14	0.0518
70	15	15	340500	1702.5	CP-OFDM QPSK	1@1	20.14	17.12	0.0515
70	15	15	340500	1702.5	CP-OFDM QPSK	1@77	20.29	17.27	0.0533

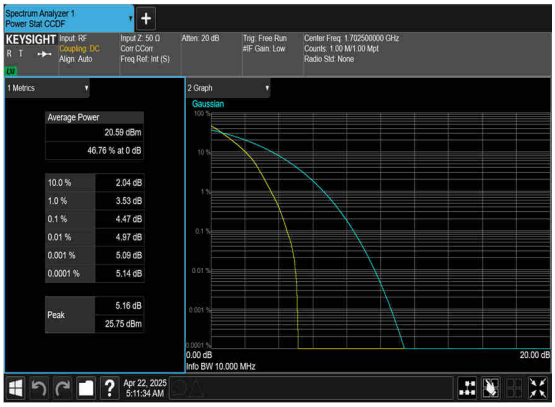
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
70	15	10	340500	1702.5	DFT-s-OFDM PI/2 BPSK	50@0	0.0021	PASS	NV
70	15	10	340500	1702.5	DFT-s-OFDM PI/2 BPSK	50@0	-0.0034	**PASS**	LV
70	15	10	340500	1702.5	DFT-s-OFDM PI/2 BPSK	50@0	-0.0037	**PASS**	HV
70	15	10	340500	1702.5	DFT-s-OFDM PI/2 BPSK	50@0	0.0000	**PASS**	-30℃
70	15	10	340500	1702.5	DFT-s-OFDM PI/2 BPSK	50@0	0.0029	**PASS**	-20℃
70	15	10	340500	1702.5	DFT-s-OFDM PI/2 BPSK	50@0	0.0051	**PASS**	-10℃
70	15	10	340500	1702.5	DFT-s-OFDM PI/2 BPSK	50@0	-0.0004	**PASS**	0℃
70	15	10	340500	1702.5	DFT-s-OFDM PI/2 BPSK	50@0	0.0016	**PASS**	10℃
70	15	10	340500	1702.5	DFT-s-OFDM PI/2 BPSK	50@0	-0.0009	**PASS**	20℃
70	15	10	340500	1702.5	DFT-s-OFDM PI/2 BPSK	50@0	-0.0027	**PASS**	30℃
70	15	10	340500	1702.5	DFT-s-OFDM PI/2 BPSK	50@0	-0.0021	**PASS**	40℃
70	15	10	340500	1702.5	DFT-s-OFDM PI/2 BPSK	50@0	0.0013	**PASS**	50℃

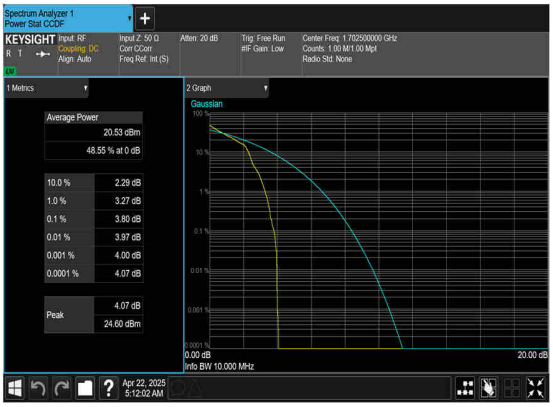
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
70	15	10	340500	1702.5	DFT-s-OFDM PI/2 BPSK	50@0	4.47	13	**PASS**
70	15	10	340500	1702.5	DFT-s-OFDM PI/2 BPSK	1@0	3.8	13	**PASS**
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	5.21	13	**PASS**
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	1@0	5.12	13	**PASS**

N70(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N70(10M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



N70(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

N70(10M)_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)
70	15	5	340500	1702.5	CP-OFDM QPSK	25@0	4.4632	5.087
70	15	5	340500	1702.5	CP-OFDM 16 QAM	25@0	4.4877	5.135
70	15	5	340500	1702.5	CP-OFDM 64 QAM	25@0	4.4778	5.026
70	15	5	340500	1702.5	CP-OFDM 256 QAM	25@0	4.4682	5.133
70	15	10	340500	1702.5	CP-OFDM QPSK	52@0	9.2757	9.916
70	15	10	340500	1702.5	CP-OFDM 16 QAM	52@0	9.2747	10.03
70	15	10	340500	1702.5	CP-OFDM 64 QAM	52@0	9.2654	9.934
70	15	10	340500	1702.5	CP-OFDM 256 QAM	52@0	9.2783	9.93
70	15	15	340500	1702.5	CP-OFDM QPSK	79@0	14.081	14.75
70	15	15	340500	1702.5	CP-OFDM 16 QAM	79@0	14.108	14.94
70	15	15	340500	1702.5	CP-OFDM 64 QAM	79@0	14.141	15.04
70	15	15	340500	1702.5	CP-OFDM 256 QAM	79@0	14.097	14.92