

FR1 N25 (ANT2)

Transmitter Conducted Output Power and EIRP, $(G_T - L_C)=-1.01\text{dB}$

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@1	24.02	23.01	0.2000
25	15	5	370500	1852.5	DFT-s-OFDM 16 QAM	1@1	22.93	21.92	0.1556
25	15	5	376500	1882.5	DFT-s-OFDM QPSK	1@1	23.79	22.78	0.1897
25	15	5	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.68	21.67	0.1469
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	1@1	23.41	22.4	0.1738
25	15	5	382500	1912.5	DFT-s-OFDM 16 QAM	1@1	22.45	21.44	0.1393
25	15	10	371000	1855	DFT-s-OFDM QPSK	1@1	23.86	22.85	0.1928
25	15	10	371000	1855	DFT-s-OFDM 16 QAM	1@1	22.84	21.83	0.1524
25	15	10	376500	1882.5	DFT-s-OFDM QPSK	1@1	23.73	22.72	0.1871
25	15	10	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.76	21.75	0.1496
25	15	10	382000	1910	DFT-s-OFDM QPSK	1@1	23.41	22.4	0.1738
25	15	10	382000	1910	DFT-s-OFDM 16 QAM	1@1	22.37	21.36	0.1368
25	15	15	371500	1857.5	DFT-s-OFDM QPSK	1@1	23.94	22.93	0.1963
25	15	15	371500	1857.5	DFT-s-OFDM 16 QAM	1@1	23.01	22	0.1585
25	15	15	376500	1882.5	DFT-s-OFDM QPSK	1@1	24.05	23.04	0.2014
25	15	15	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	23.03	22.02	0.1592
25	15	15	381500	1907.5	DFT-s-OFDM QPSK	1@1	23.41	22.4	0.1738
25	15	15	381500	1907.5	DFT-s-OFDM 16 QAM	1@1	22.27	21.26	0.1337
25	15	20	372000	1860	DFT-s-OFDM QPSK	50@25	23.93	22.92	0.1959
25	15	20	372000	1860	DFT-s-OFDM QPSK	1@1	23.9	22.89	0.1945
25	15	20	372000	1860	DFT-s-OFDM QPSK	1@104	23.98	22.97	0.1982
25	15	20	372000	1860	DFT-s-OFDM 16 QAM	50@25	22.95	21.94	0.1563
25	15	20	372000	1860	DFT-s-OFDM 16 QAM	1@1	23.02	22.01	0.1589
25	15	20	372000	1860	DFT-s-OFDM 16 QAM	1@104	23.27	22.26	0.1683
25	15	20	372000	1860	DFT-s-OFDM 64 QAM	50@25	21.59	20.58	0.1143
25	15	20	372000	1860	DFT-s-OFDM 64 QAM	1@1	21.55	20.54	0.1132
25	15	20	372000	1860	DFT-s-OFDM 64 QAM	1@104	21.51	20.5	0.1122
25	15	20	372000	1860	DFT-s-OFDM 256 QAM	50@25	19.47	18.46	0.0701
25	15	20	372000	1860	DFT-s-OFDM 256 QAM	1@1	19.15	18.14	0.0652

25	15	20	372000	1860	DFT-s-OFDM 256 QAM	1@104	19.24	18.23	0.0665
25	15	20	372000	1860	CP-OFDM QPSK	53@26	22.52	21.51	0.1416
25	15	20	372000	1860	CP-OFDM QPSK	1@1	22.38	21.37	0.1371
25	15	20	372000	1860	CP-OFDM QPSK	1@104	22.56	21.55	0.1429
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	50@25	23.62	22.61	0.1824
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	1@1	24.07	23.06	0.2023
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	1@104	23.27	22.26	0.1683
25	15	20	376500	1882.5	DFT-s-OFDM 16 QAM	50@25	22.57	21.56	0.1432
25	15	20	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.95	21.94	0.1563
25	15	20	376500	1882.5	DFT-s-OFDM 16 QAM	1@104	22.41	21.4	0.1380
25	15	20	376500	1882.5	DFT-s-OFDM 64 QAM	50@25	21.11	20.1	0.1023
25	15	20	376500	1882.5	DFT-s-OFDM 64 QAM	1@1	21.65	20.64	0.1159
25	15	20	376500	1882.5	DFT-s-OFDM 64 QAM	1@104	21	19.99	0.0998
25	15	20	376500	1882.5	DFT-s-OFDM 256 QAM	50@25	19.02	18.01	0.0632
25	15	20	376500	1882.5	DFT-s-OFDM 256 QAM	1@1	19.15	18.14	0.0652
25	15	20	376500	1882.5	DFT-s-OFDM 256 QAM	1@104	18.51	17.5	0.0562
25	15	20	376500	1882.5	CP-OFDM QPSK	53@26	22.15	21.14	0.1300
25	15	20	376500	1882.5	CP-OFDM QPSK	1@1	22.54	21.53	0.1422
25	15	20	376500	1882.5	CP-OFDM QPSK	1@104	21.43	20.42	0.1102
25	15	20	381000	1905	DFT-s-OFDM QPSK	50@25	23.28	22.27	0.1687
25	15	20	381000	1905	DFT-s-OFDM QPSK	1@1	23.24	22.23	0.1671
25	15	20	381000	1905	DFT-s-OFDM QPSK	1@104	23.59	22.58	0.1811
25	15	20	381000	1905	DFT-s-OFDM 16 QAM	50@25	22.32	21.31	0.1352
25	15	20	381000	1905	DFT-s-OFDM 16 QAM	1@1	22.33	21.32	0.1355
25	15	20	381000	1905	DFT-s-OFDM 16 QAM	1@104	22.66	21.65	0.1462
25	15	20	381000	1905	DFT-s-OFDM 64 QAM	50@25	20.85	19.84	0.0964
25	15	20	381000	1905	DFT-s-OFDM 64 QAM	1@1	20.92	19.91	0.0979
25	15	20	381000	1905	DFT-s-OFDM 64 QAM	1@104	21.32	20.31	0.1074
25	15	20	381000	1905	DFT-s-OFDM 256 QAM	50@25	18.63	17.62	0.0578
25	15	20	381000	1905	DFT-s-OFDM 256 QAM	1@1	18.5	17.49	0.0561
25	15	20	381000	1905	DFT-s-OFDM 256 QAM	1@104	18.79	17.78	0.0600
25	15	20	381000	1905	CP-OFDM QPSK	53@26	21.84	20.83	0.1211
25	15	20	381000	1905	CP-OFDM QPSK	1@1	21.79	20.78	0.1197
25	15	20	381000	1905	CP-OFDM QPSK	1@104	21.81	20.8	0.1202

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0031	PASS	NV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0051	PASS	LV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0025	PASS	HV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0069	PASS	-30°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0034	PASS	-20°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0022	PASS	-10°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0055	PASS	0°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0050	PASS	10°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0031	PASS	20°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0034	PASS	30°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0024	PASS	40°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0043	PASS	50°C

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	100@0	4.64	13	PASS
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	1@0	3.68	13	PASS
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	4.57	13	PASS
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	1@0	3.8	13	PASS
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	100@0	4.71	13	PASS
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	1@0	3.81	13	PASS

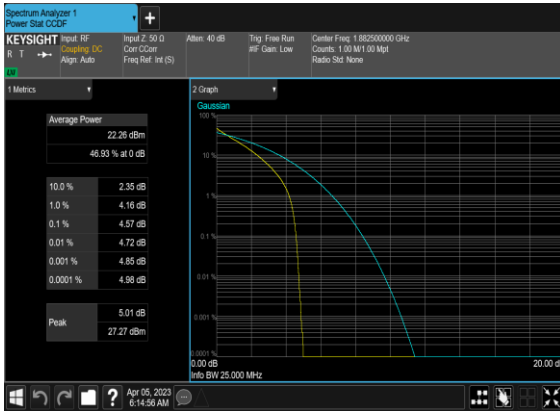
N25(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



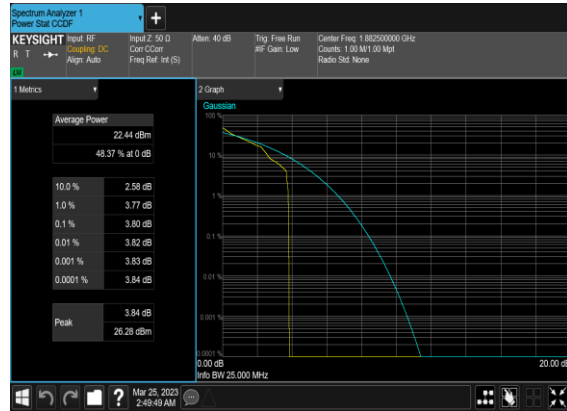
N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



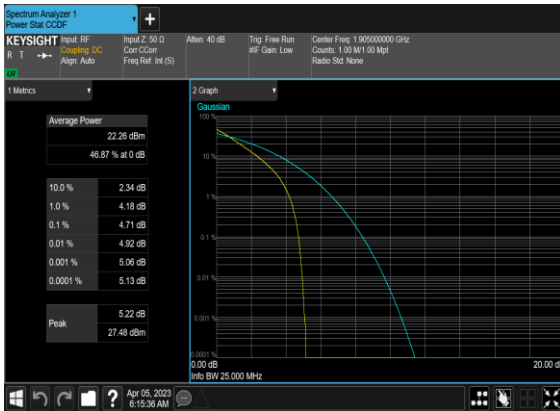
N25(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N25(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
25	15	5	376500	1882.5	DFT-s-OFDM QPSK	25@0	4.4653	4.972
25	15	5	376500	1882.5	CP-OFDM QPSK	25@0	4.4751	5.012
25	15	5	376500	1882.5	CP-OFDM 16 QAM	25@0	4.4743	5.006
25	15	5	376500	1882.5	CP-OFDM 64 QAM	25@0	4.4733	5.019
25	15	5	376500	1882.5	CP-OFDM 256 QAM	25@0	4.4796	5.02
25	15	10	376500	1882.5	DFT-s-OFDM QPSK	50@0	8.924	9.674
25	15	10	376500	1882.5	CP-OFDM QPSK	52@0	9.2968	10.08
25	15	10	376500	1882.5	CP-OFDM 16 QAM	52@0	9.2973	10.07
25	15	10	376500	1882.5	CP-OFDM 64 QAM	52@0	9.2725	9.952
25	15	10	376500	1882.5	CP-OFDM 256 QAM	52@0	9.2866	9.954
25	15	15	376500	1882.5	DFT-s-OFDM QPSK	75@0	13.382	14.22
25	15	15	376500	1882.5	CP-OFDM QPSK	79@0	14.088	14.84
25	15	15	376500	1882.5	CP-OFDM 16 QAM	79@0	14.1	15.03
25	15	15	376500	1882.5	CP-OFDM 64 QAM	79@0	14.097	14.84
25	15	15	376500	1882.5	CP-OFDM 256 QAM	79@0	14.082	14.86
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	17.855	18.67
25	15	20	376500	1882.5	CP-OFDM QPSK	106@0	18.901	19.86
25	15	20	376500	1882.5	CP-OFDM 16 QAM	106@0	18.915	19.87
25	15	20	376500	1882.5	CP-OFDM 64 QAM	106@0	18.924	19.87
25	15	20	376500	1882.5	CP-OFDM 256 QAM	106@0	18.903	19.71

N25(5M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N25(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



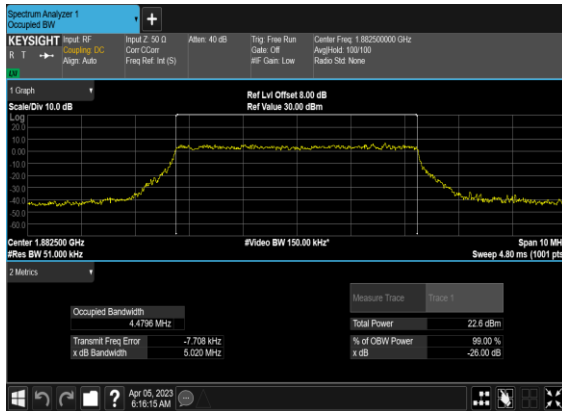
N25(5M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



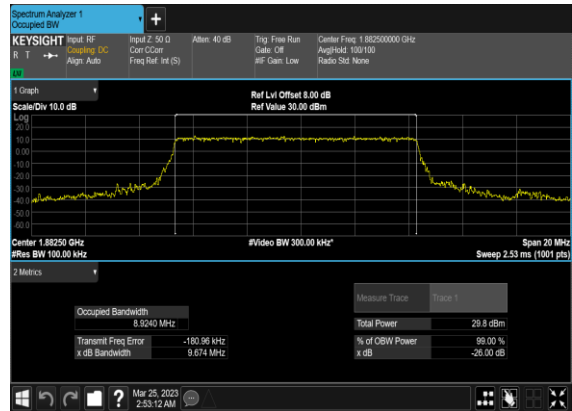
N25(5M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



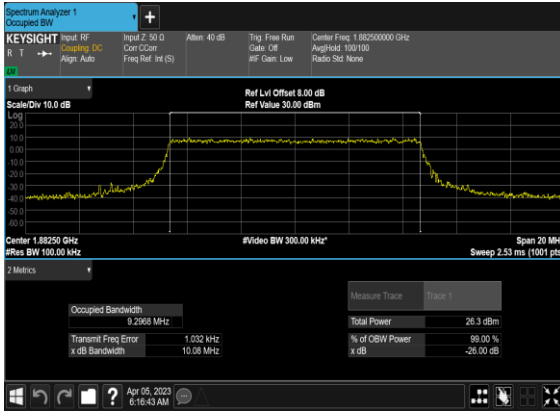
N25(5M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



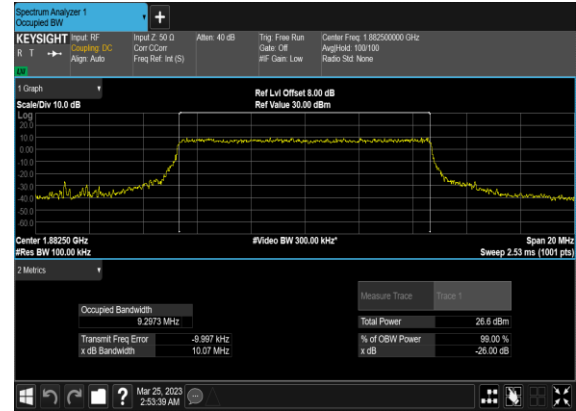
N25(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



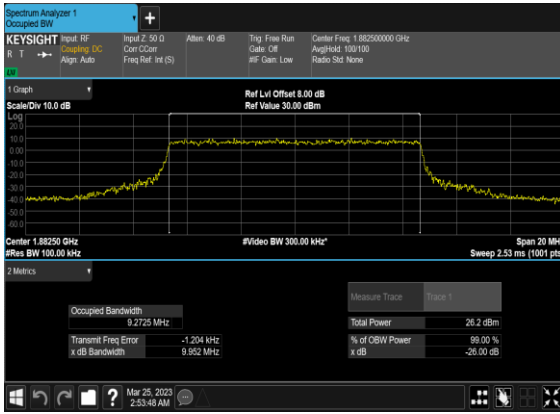
N25(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



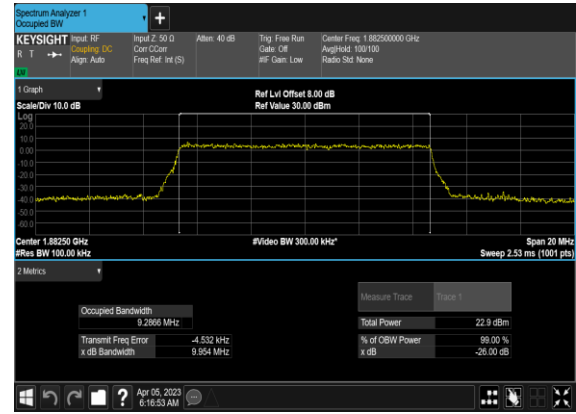
N25(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



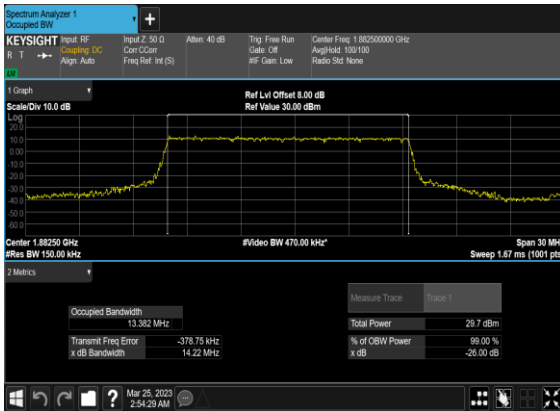
N25(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



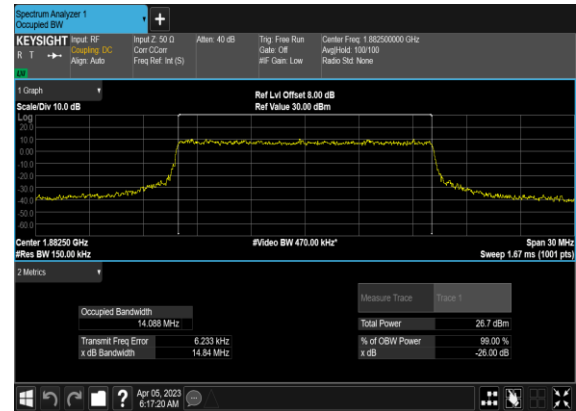
N25(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



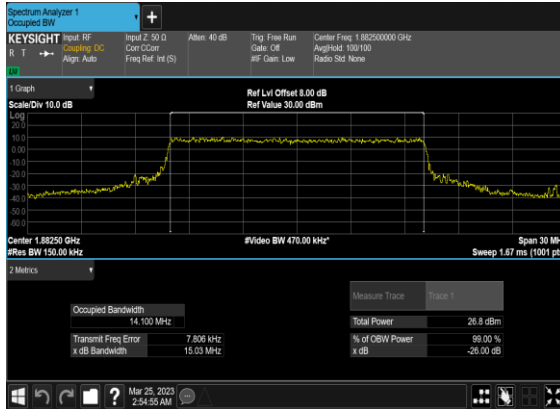
N25(15M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



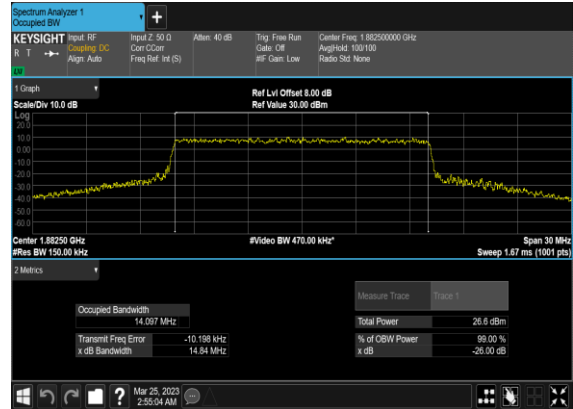
N25(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



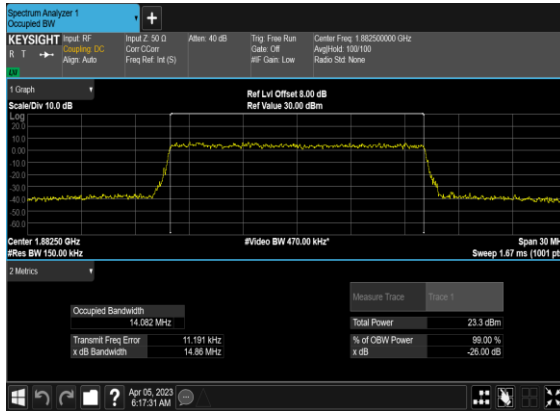
N25(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



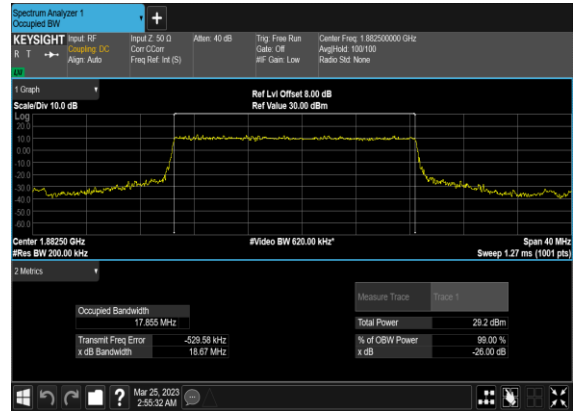
N25(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



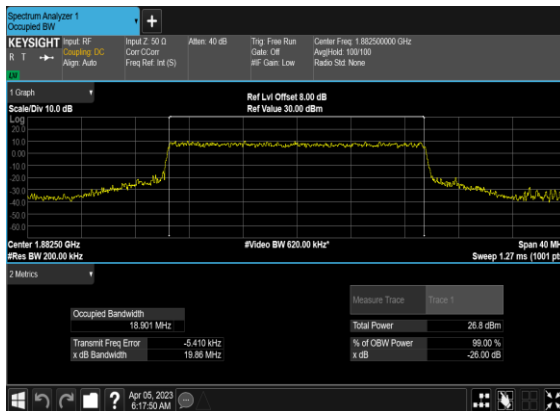
N25(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



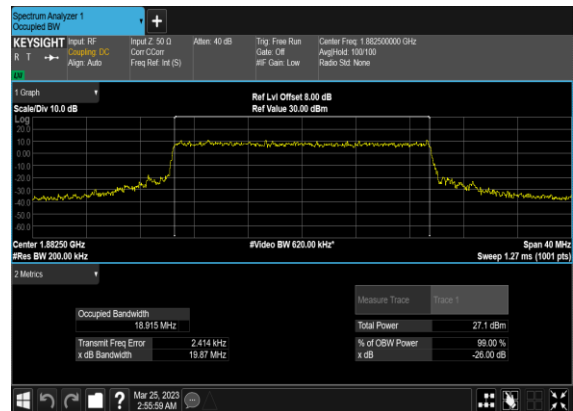
N25(20M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



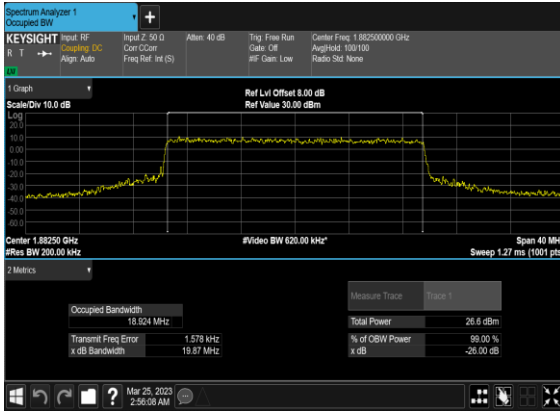
N25(20M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



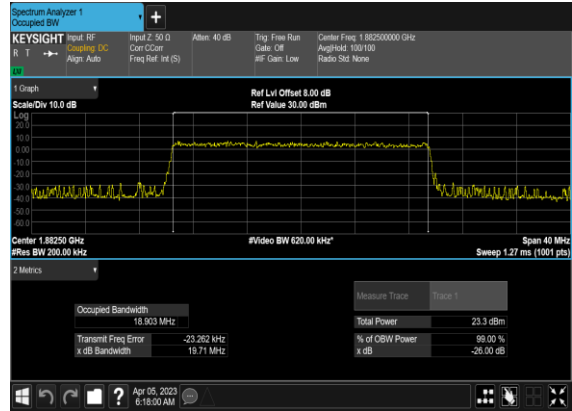
N25(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N25(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N25(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



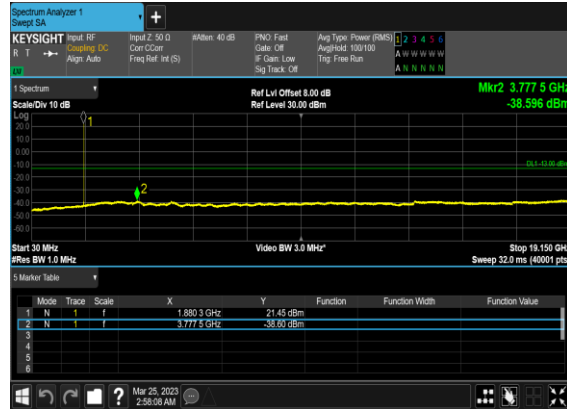
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	5	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	5	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	10	371000	1855.0	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	10	371000	1855.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	10	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	10	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	10	382000	1910.0	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	10	382000	1910.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

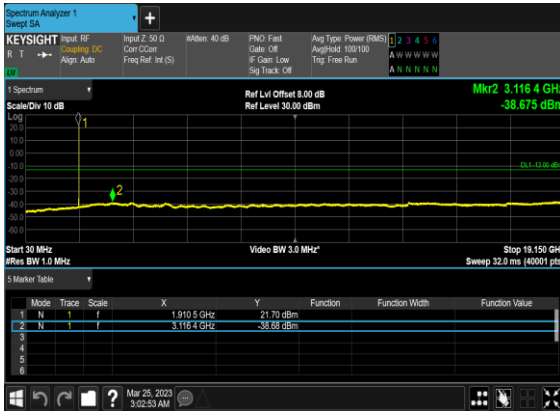
N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



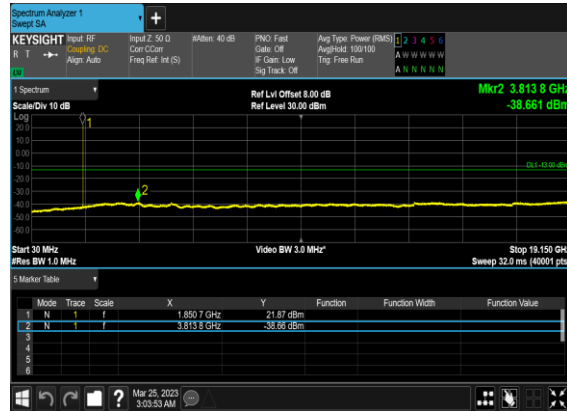
N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



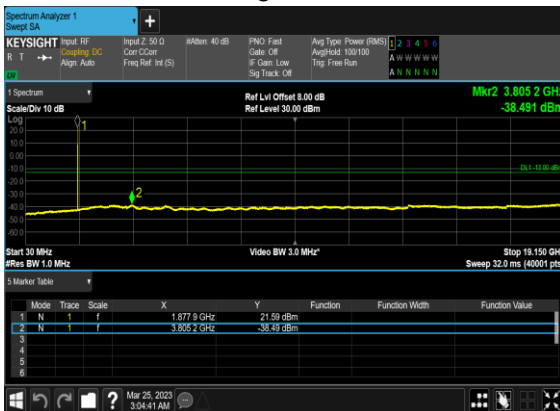
N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



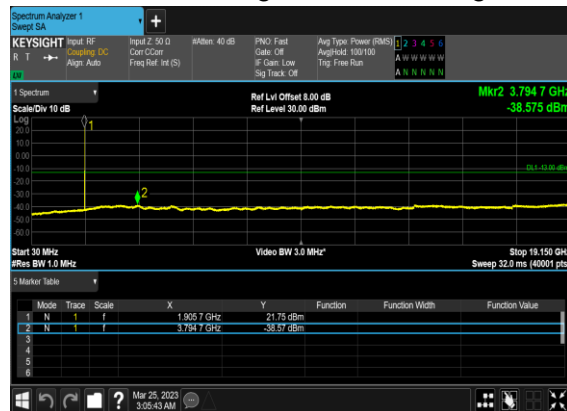
N25(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



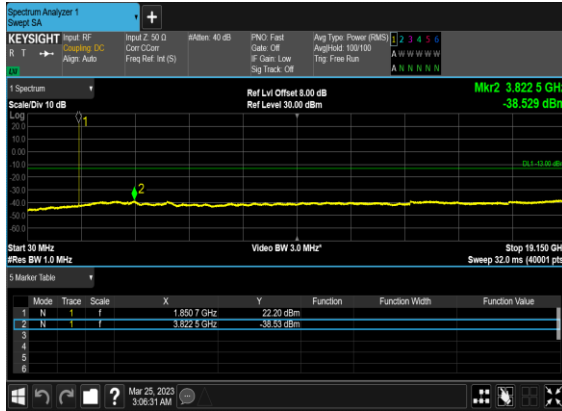
N25(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



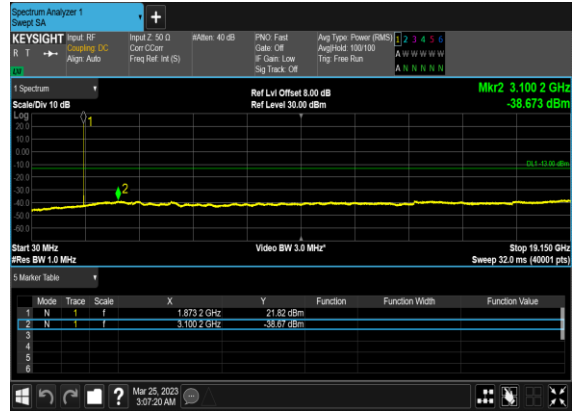
N25(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



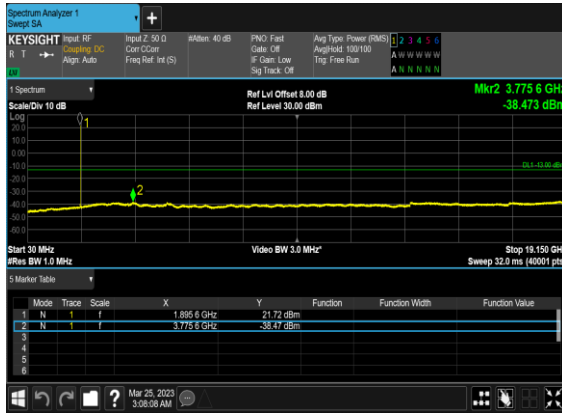
N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



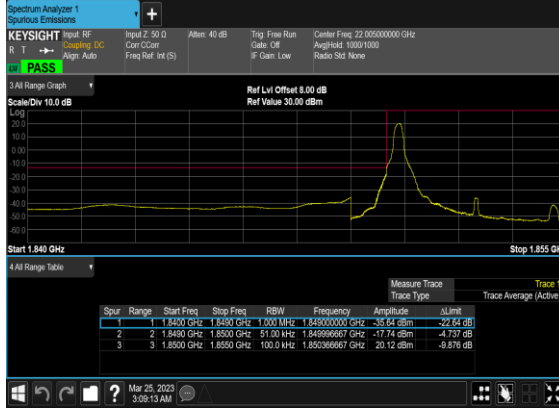
N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



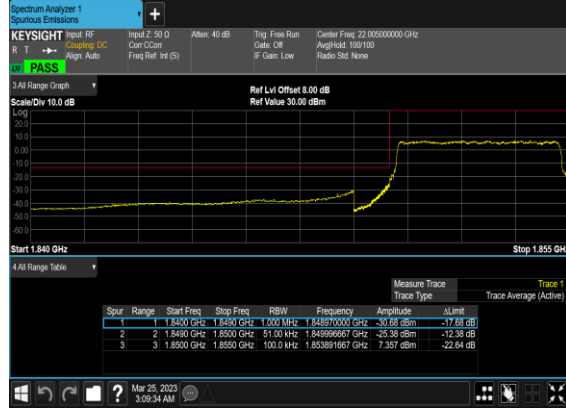
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
25	15	10	371000	1855.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	10	371000	1855.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
25	15	10	382000	1910.0	DFT-s-OFDM QPSK	1@51	see graph	PASS
25	15	10	382000	1910.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	100@0	see graph	PASS

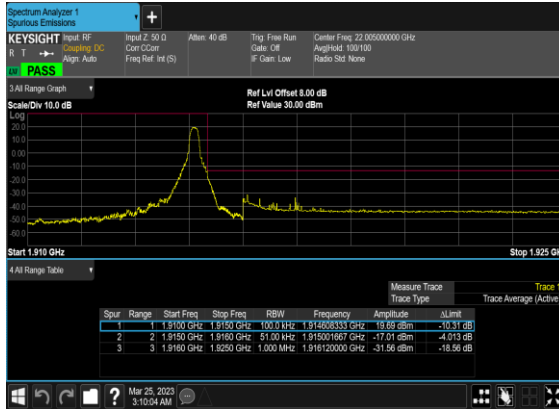
N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



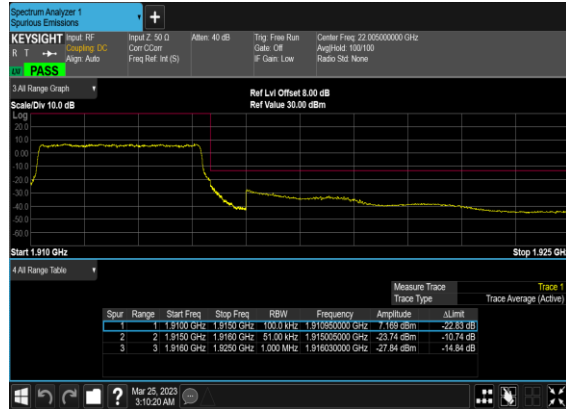
N25(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



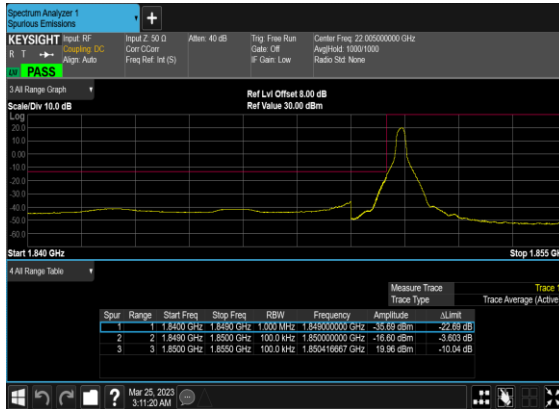
N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



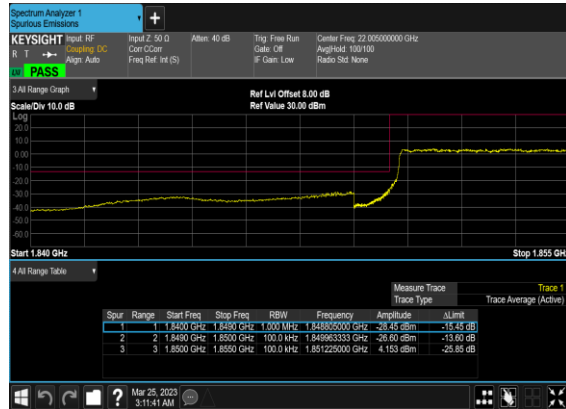
N25(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



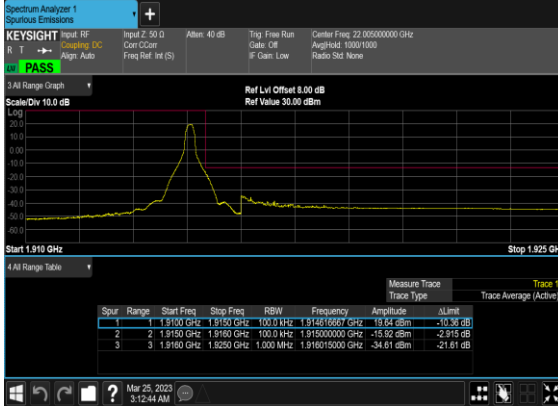
N25(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



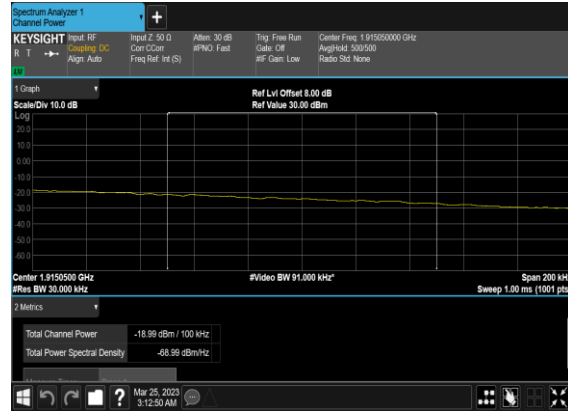
N25(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N25(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



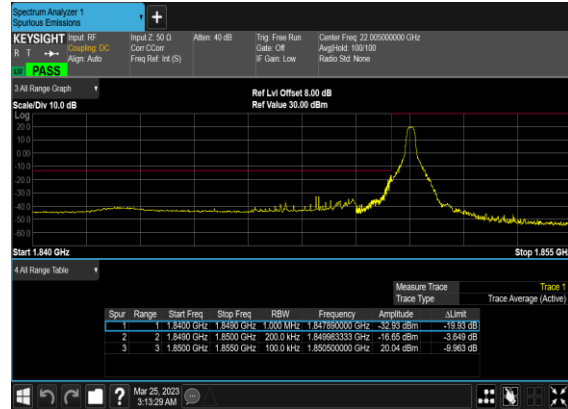
N25(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_P
ASS



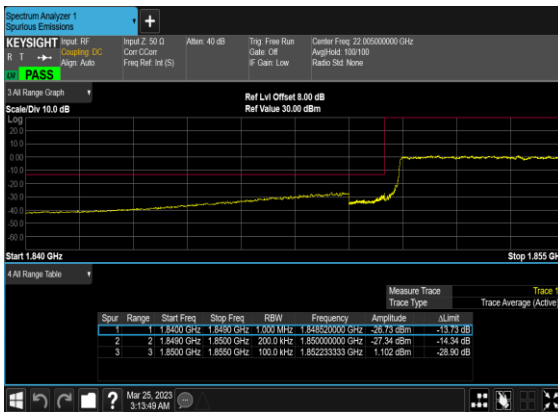
N25(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



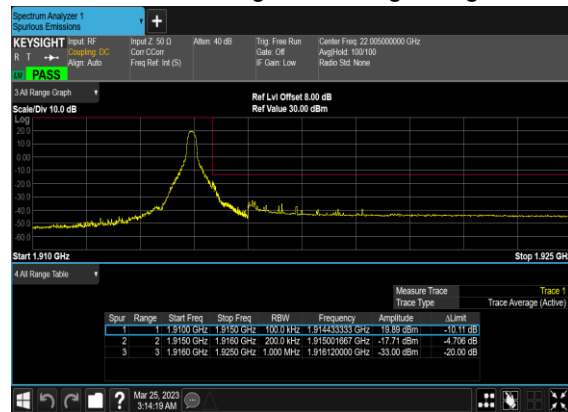
N25(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N25(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



N25(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N25(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



FR1 N71 (ANT0)

Transmitter Conducted Output Power and ERP, ($G_T - L_C$)=-2.55dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	ERP (dBm)	ERP (W)
71	15	5	133100	665.5	DFT-s-OFDM QPSK	1@1	22.62	17.92	0.0619
71	15	5	133100	665.5	DFT-s-OFDM 16 QAM	1@1	21.63	16.93	0.0493
71	15	5	136100	680.5	DFT-s-OFDM QPSK	1@1	23.73	19.03	0.0800
71	15	5	136100	680.5	DFT-s-OFDM 16 QAM	1@1	22.54	17.84	0.0608
71	15	5	139100	695.5	DFT-s-OFDM QPSK	1@1	24.37	19.67	0.0927
71	15	5	139100	695.5	DFT-s-OFDM 16 QAM	1@1	23.37	18.67	0.0736
71	15	10	133600	668	DFT-s-OFDM QPSK	1@1	22.61	17.91	0.0618
71	15	10	133600	668	DFT-s-OFDM 16 QAM	1@1	21.67	16.97	0.0498
71	15	10	136100	680.5	DFT-s-OFDM QPSK	1@1	23.38	18.68	0.0738
71	15	10	136100	680.5	DFT-s-OFDM 16 QAM	1@1	22.31	17.61	0.0577
71	15	10	138600	693	DFT-s-OFDM QPSK	1@1	24.34	19.64	0.0920
71	15	10	138600	693	DFT-s-OFDM 16 QAM	1@1	23.34	18.64	0.0731
71	15	15	134100	670.5	DFT-s-OFDM QPSK	1@1	22.65	17.95	0.0624
71	15	15	134100	670.5	DFT-s-OFDM 16 QAM	1@1	21.67	16.97	0.0498
71	15	15	136100	680.5	DFT-s-OFDM QPSK	1@1	23.15	18.45	0.0700
71	15	15	136100	680.5	DFT-s-OFDM 16 QAM	1@1	22.26	17.56	0.0570
71	15	15	138100	690.5	DFT-s-OFDM QPSK	1@1	24.22	19.52	0.0895
71	15	15	138100	690.5	DFT-s-OFDM 16 QAM	1@1	23.17	18.47	0.0703
71	15	20	134600	673	DFT-s-OFDM QPSK	50@25	23.17	18.47	0.0703
71	15	20	134600	673	DFT-s-OFDM QPSK	1@1	22.56	17.86	0.0611
71	15	20	134600	673	DFT-s-OFDM QPSK	1@104	23.96	19.26	0.0843
71	15	20	134600	673	DFT-s-OFDM 16 QAM	50@25	21.99	17.29	0.0536
71	15	20	134600	673	DFT-s-OFDM 16 QAM	1@1	21.63	16.93	0.0493
71	15	20	134600	673	DFT-s-OFDM 16 QAM	1@104	23.01	18.31	0.0678
71	15	20	134600	673	DFT-s-OFDM 64 QAM	50@25	20.58	15.88	0.0387
71	15	20	134600	673	DFT-s-OFDM 64 QAM	1@1	20.27	15.57	0.0361
71	15	20	134600	673	DFT-s-OFDM 64 QAM	1@104	21.75	17.05	0.0507
71	15	20	134600	673	DFT-s-OFDM 256 QAM	50@25	18.22	13.52	0.0225
71	15	20	134600	673	DFT-s-OFDM 256 QAM	1@1	17.83	13.13	0.0206

71	15	20	134600	673	DFT-s-OFDM 256 QAM	1@104	19.25	14.55	0.0285
71	15	20	134600	673	CP-OFDM QPSK	53@26	21.55	16.85	0.0484
71	15	20	134600	673	CP-OFDM QPSK	1@1	21.16	16.46	0.0443
71	15	20	134600	673	CP-OFDM QPSK	1@104	22.16	17.46	0.0557
71	15	20	136100	680.5	DFT-s-OFDM QPSK	50@25	23.81	19.11	0.0815
71	15	20	136100	680.5	DFT-s-OFDM QPSK	1@1	23.06	18.36	0.0685
71	15	20	136100	680.5	DFT-s-OFDM QPSK	1@104	24.34	19.64	0.0920
71	15	20	136100	680.5	DFT-s-OFDM 16 QAM	50@25	22.79	18.09	0.0644
71	15	20	136100	680.5	DFT-s-OFDM 16 QAM	1@1	22.1	17.4	0.0550
71	15	20	136100	680.5	DFT-s-OFDM 16 QAM	1@104	23.42	18.72	0.0745
71	15	20	136100	680.5	DFT-s-OFDM 64 QAM	50@25	21.3	16.6	0.0457
71	15	20	136100	680.5	DFT-s-OFDM 64 QAM	1@1	20.55	15.85	0.0385
71	15	20	136100	680.5	DFT-s-OFDM 64 QAM	1@104	21.96	17.26	0.0532
71	15	20	136100	680.5	DFT-s-OFDM 256 QAM	50@25	19.23	14.53	0.0284
71	15	20	136100	680.5	DFT-s-OFDM 256 QAM	1@1	18.18	13.48	0.0223
71	15	20	136100	680.5	DFT-s-OFDM 256 QAM	1@104	19.65	14.95	0.0313
71	15	20	136100	680.5	CP-OFDM QPSK	53@26	22.41	17.71	0.0590
71	15	20	136100	680.5	CP-OFDM QPSK	1@1	21.46	16.76	0.0474
71	15	20	136100	680.5	CP-OFDM QPSK	1@104	22.83	18.13	0.0650
71	15	20	137600	688	DFT-s-OFDM QPSK	50@25	24.23	19.53	0.0897
71	15	20	137600	688	DFT-s-OFDM QPSK	1@1	23.66	18.96	0.0787
71	15	20	137600	688	DFT-s-OFDM QPSK	1@104	24.39	19.69	0.0931
71	15	20	137600	688	DFT-s-OFDM 16 QAM	50@25	23.24	18.54	0.0714
71	15	20	137600	688	DFT-s-OFDM 16 QAM	1@1	22.67	17.97	0.0627
71	15	20	137600	688	DFT-s-OFDM 16 QAM	1@104	23.44	18.74	0.0748
71	15	20	137600	688	DFT-s-OFDM 64 QAM	50@25	21.77	17.07	0.0509
71	15	20	137600	688	DFT-s-OFDM 64 QAM	1@1	21.45	16.75	0.0473
71	15	20	137600	688	DFT-s-OFDM 64 QAM	1@104	22.17	17.47	0.0558
71	15	20	137600	688	DFT-s-OFDM 256 QAM	50@25	19.66	14.96	0.0313
71	15	20	137600	688	DFT-s-OFDM 256 QAM	1@1	18.79	14.09	0.0256
71	15	20	137600	688	DFT-s-OFDM 256 QAM	1@104	19.65	14.95	0.0313
71	15	20	137600	688	CP-OFDM QPSK	53@26	22.76	18.06	0.0640
71	15	20	137600	688	CP-OFDM QPSK	1@1	22.23	17.53	0.0566
71	15	20	137600	688	CP-OFDM QPSK	1@104	23	18.3	0.0676

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0045	PASS	NV
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0063	PASS	LV
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0041	PASS	HV
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0023	PASS	-30°C
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0030	PASS	-20°C
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0035	PASS	-10°C
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0037	PASS	0°C
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0043	PASS	10°C
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0045	PASS	20°C
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0042	PASS	30°C
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0052	PASS	40°C
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0026	PASS	50°C

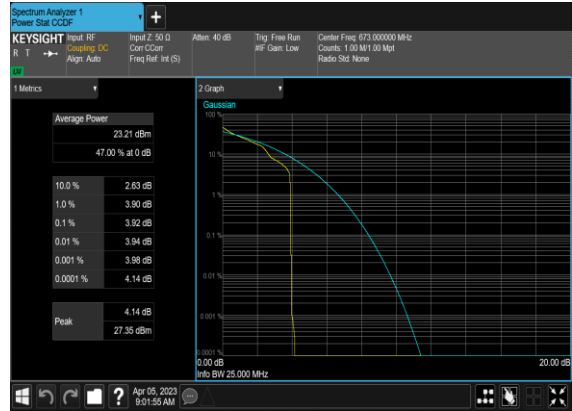
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
71	15	20	134600	673.0	DFT-s-OFDM QPSK	100@0	4.73	13	PASS
71	15	20	134600	673.0	DFT-s-OFDM QPSK	1@0	3.92	13	PASS
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	4.47	13	PASS
71	15	20	136100	680.5	DFT-s-OFDM QPSK	1@0	3.44	13	PASS
71	15	20	137600	688.0	DFT-s-OFDM QPSK	100@0	4.49	13	PASS
71	15	20	137600	688.0	DFT-s-OFDM QPSK	1@0	3.72	13	PASS

N71(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N71(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N71(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



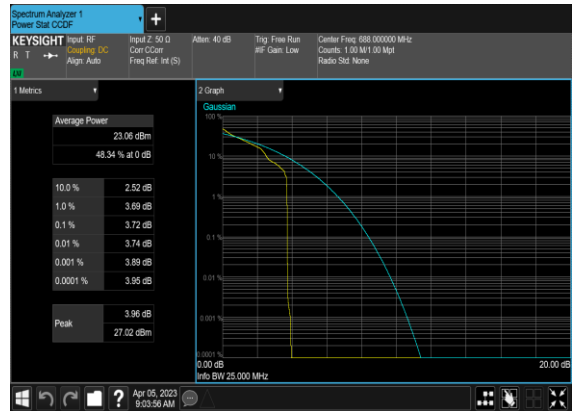
N71(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N71(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



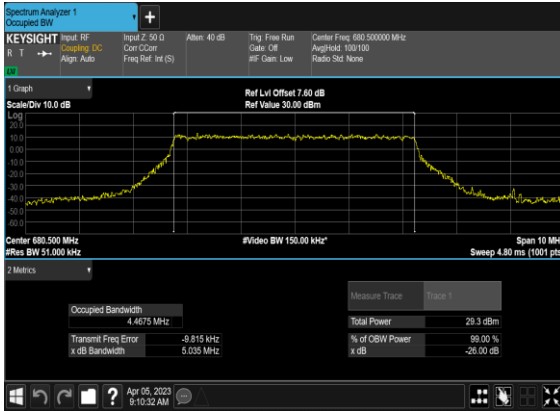
N71(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
71	15	5	136100	680.5	DFT-s-OFDM QPSK	25@0	4.4675	5.035
71	15	5	136100	680.5	CP-OFDM QPSK	25@0	4.4697	5.076
71	15	5	136100	680.5	CP-OFDM 16 QAM	25@0	4.4771	5.004
71	15	5	136100	680.5	CP-OFDM 64 QAM	25@0	4.4646	5.01
71	15	5	136100	680.5	CP-OFDM 256 QAM	25@0	4.4824	5.095
71	15	10	136100	680.5	DFT-s-OFDM QPSK	50@0	8.9035	9.615
71	15	10	136100	680.5	CP-OFDM QPSK	52@0	9.2774	9.95
71	15	10	136100	680.5	CP-OFDM 16 QAM	52@0	9.2814	9.877
71	15	10	136100	680.5	CP-OFDM 64 QAM	52@0	9.2642	9.905
71	15	10	136100	680.5	CP-OFDM 256 QAM	52@0	9.2826	9.929
71	15	15	136100	680.5	DFT-s-OFDM QPSK	75@0	13.373	14.27
71	15	15	136100	680.5	CP-OFDM QPSK	79@0	14.08	14.83
71	15	15	136100	680.5	CP-OFDM 16 QAM	79@0	14.082	14.98
71	15	15	136100	680.5	CP-OFDM 64 QAM	79@0	14.108	14.83
71	15	15	136100	680.5	CP-OFDM 256 QAM	79@0	14.059	14.82
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	17.842	18.7
71	15	20	136100	680.5	CP-OFDM QPSK	106@0	18.893	19.99
71	15	20	136100	680.5	CP-OFDM 16 QAM	106@0	18.91	19.9
71	15	20	136100	680.5	CP-OFDM 64 QAM	106@0	18.88	19.7
71	15	20	136100	680.5	CP-OFDM 256 QAM	106@0	18.935	19.82

N71(5M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



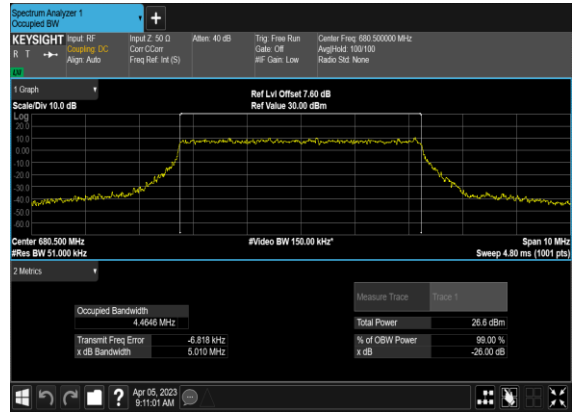
N71(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



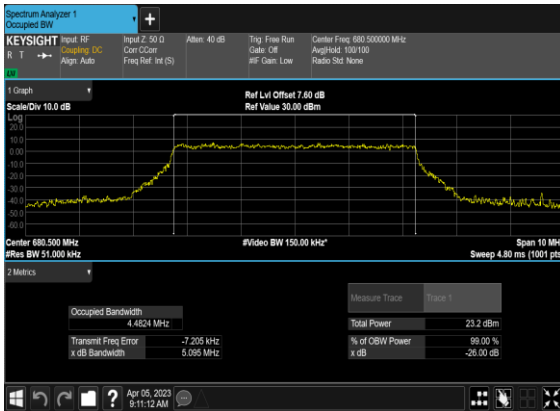
N71(5M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



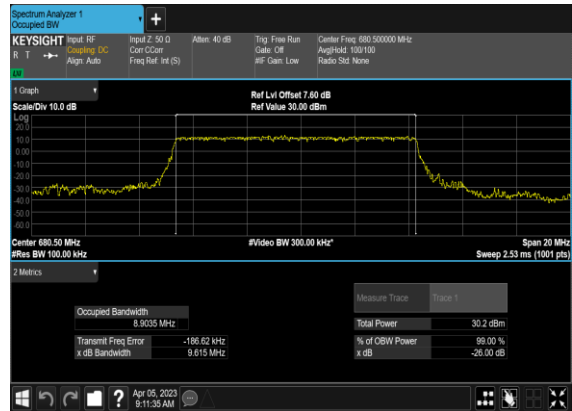
N71(5M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N71(5M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



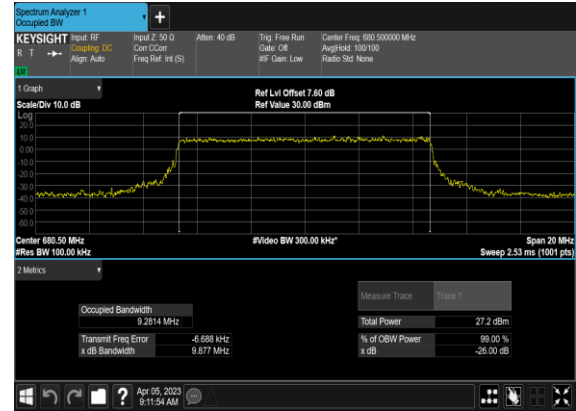
N71(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N71(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N71(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



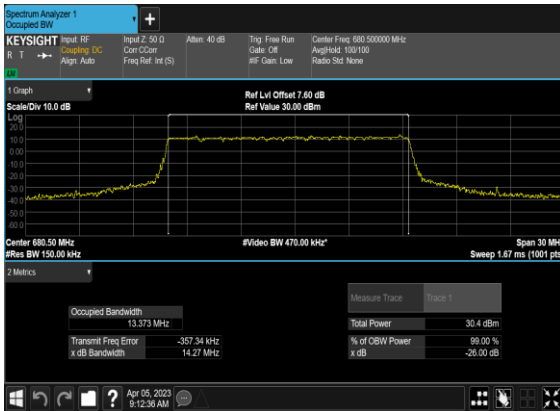
N71(10M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



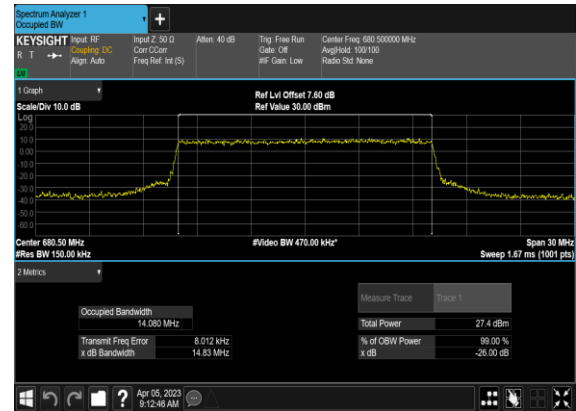
N71(10M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



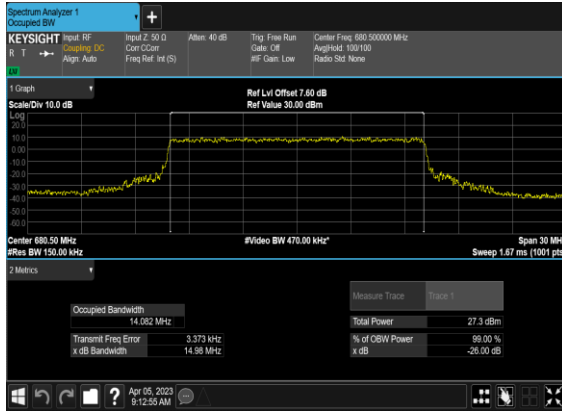
N71(15M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



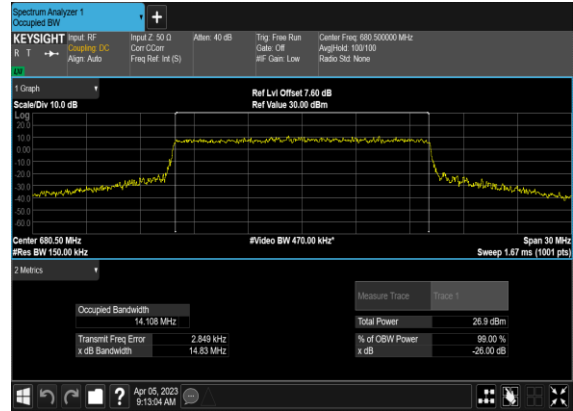
N71(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



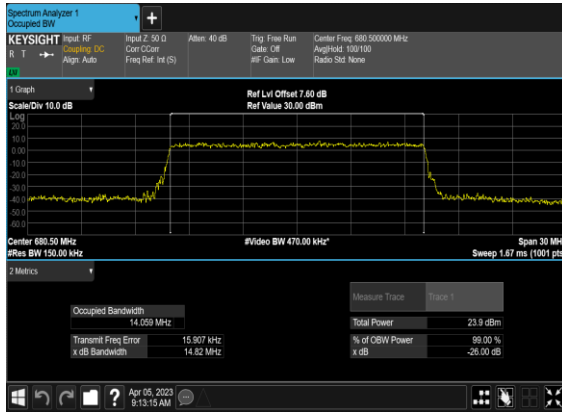
N71(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



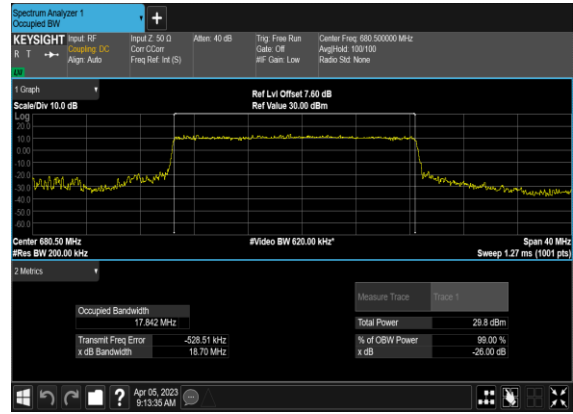
N71(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



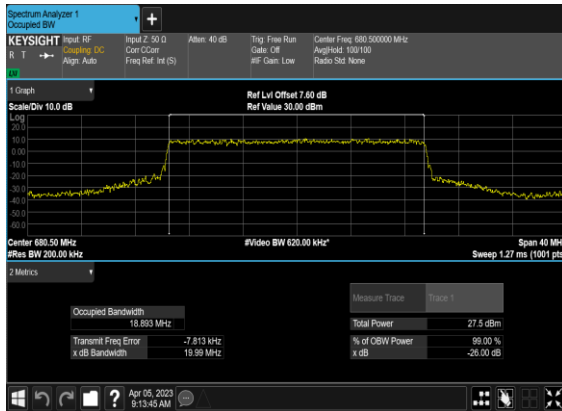
N71(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



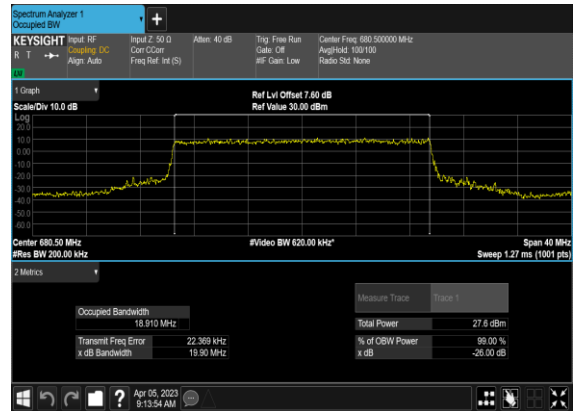
N71(20M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



N71(20M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



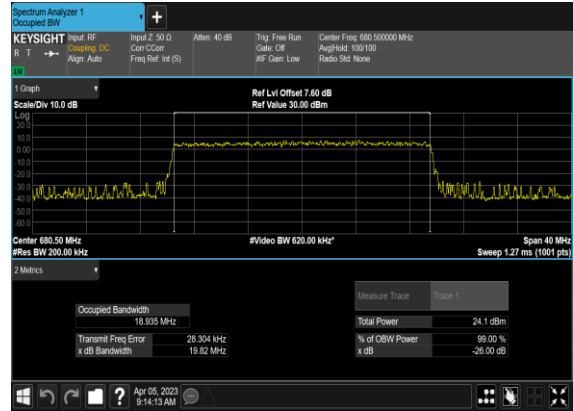
N71(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N71(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N71(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
71	15	5	133100	665.5	DFT-s-OFDM QPSK	1@0	see graph	---
71	15	5	133100	665.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	5	136100	680.5	DFT-s-OFDM QPSK	1@0	see graph	---
71	15	5	136100	680.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	5	139100	695.5	DFT-s-OFDM QPSK	1@0	see graph	---
71	15	5	139100	695.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	10	133600	668.0	DFT-s-OFDM QPSK	1@0	see graph	---
71	15	10	133600	668.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	10	136100	680.5	DFT-s-OFDM QPSK	1@0	see graph	---
71	15	10	136100	680.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	10	138600	693.0	DFT-s-OFDM QPSK	1@0	see graph	---
71	15	10	138600	693.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	20	134600	673.0	DFT-s-OFDM QPSK	1@0	see graph	---
71	15	20	134600	673.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	20	136100	680.5	DFT-s-OFDM QPSK	1@0	see graph	---
71	15	20	136100	680.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	20	137600	688.0	DFT-s-OFDM QPSK	1@0	see graph	---
71	15	20	137600	688.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

N71(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N71(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



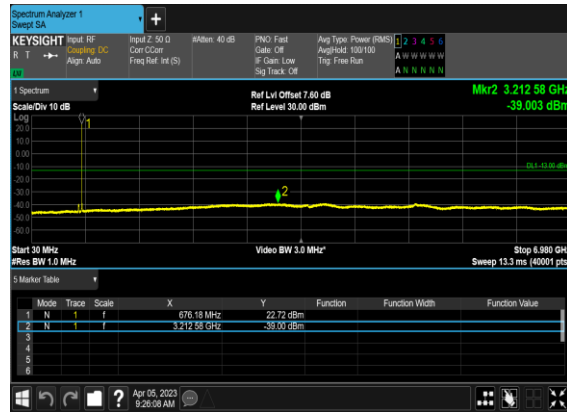
N71(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N71(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N71(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N71(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N71(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N71(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



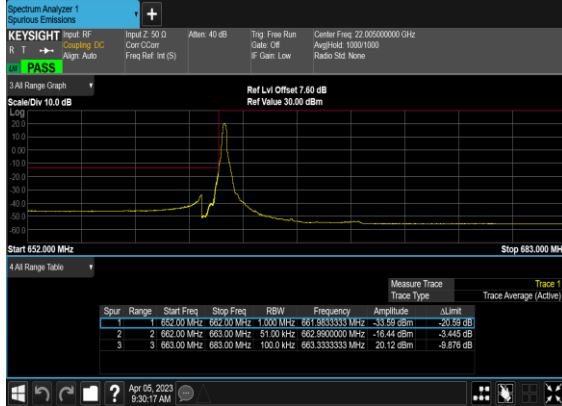
N71(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



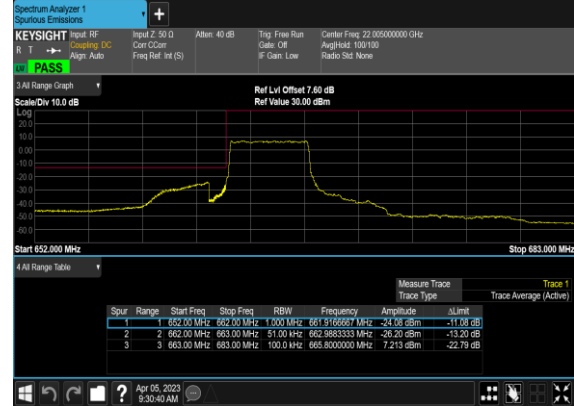
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
71	15	5	133100	665.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	5	133100	665.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
71	15	5	139100	695.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
71	15	5	139100	695.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
71	15	10	133600	668.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	10	133600	668.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
71	15	10	138600	693.0	DFT-s-OFDM QPSK	1@51	see graph	PASS
71	15	10	138600	693.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
71	15	20	134600	673.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	20	134600	673.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
71	15	20	137600	688.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
71	15	20	137600	688.0	DFT-s-OFDM QPSK	100@0	see graph	PASS

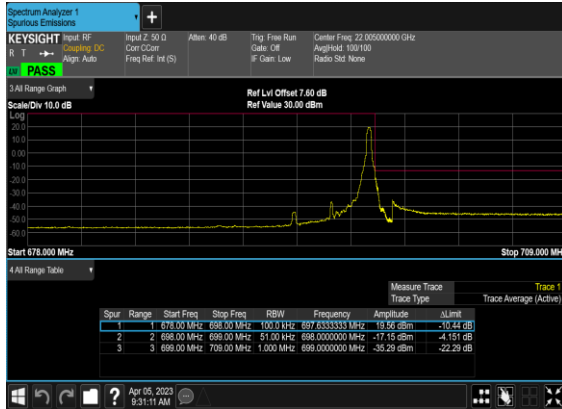
N71(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



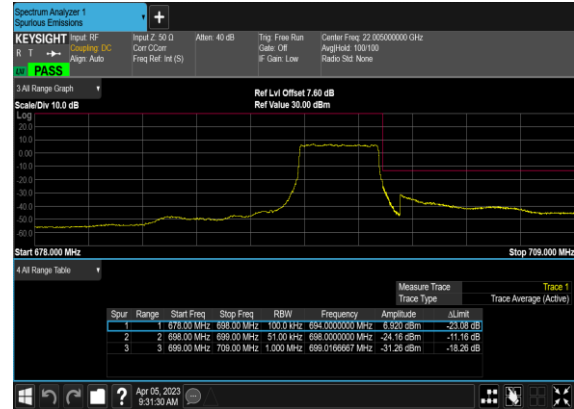
N71(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



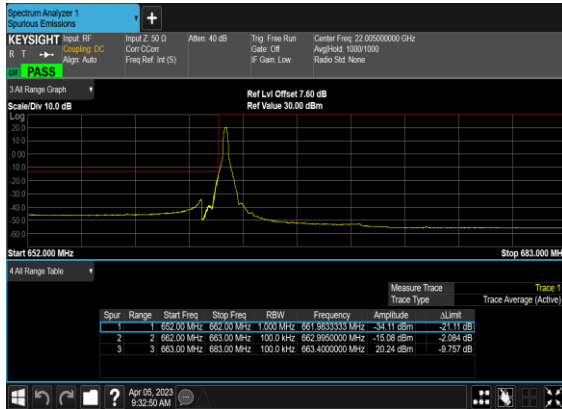
N71(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N71(5M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



N71(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



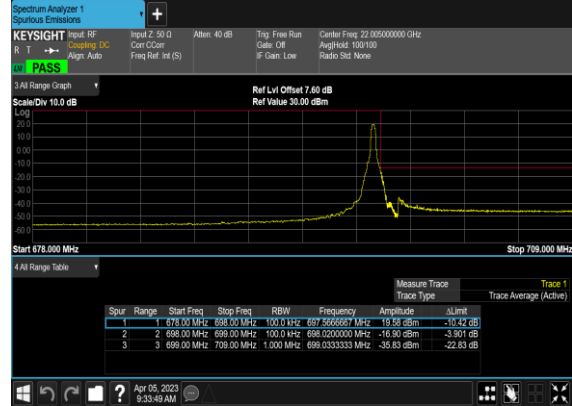
N71(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PA
SS



N71(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



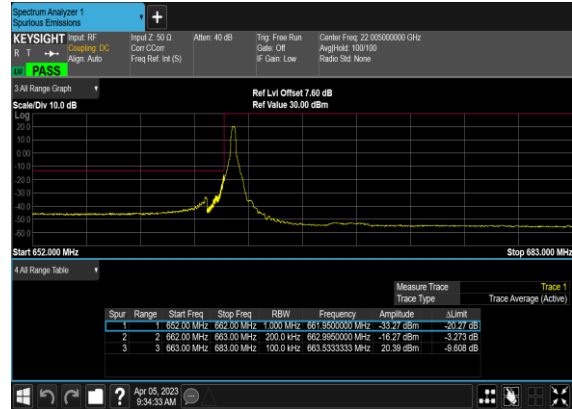
N71(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



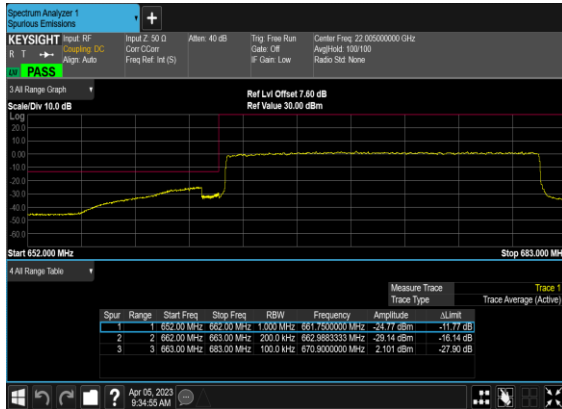
N71(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



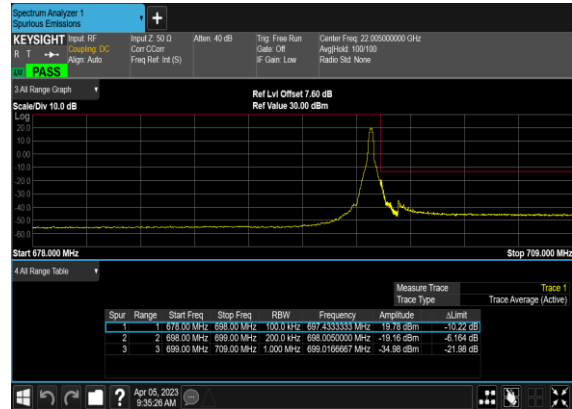
N71(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N71(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



N71(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N71(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Kuang Jia	Temperature :	22~25°C
		Relative Humidity :	48~52%

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

SA n5 / 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)
Lowest	1655.5	-67.01	-13	-54.01	-74.62	-70.24	3.98	9.36	H
	2483.25	-64.64	-13	-51.64	-76.08	-68.19	4.85	10.55	H
	3311	-63.55	-13	-50.55	-77.76	-68.48	5.50	12.58	H
	1655.5	-67.13	-13	-54.13	-74.83	-70.36	3.98	9.36	V
	2483.25	-64.43	-13	-51.43	-75.93	-67.98	4.85	10.55	V
	3311	-63.90	-13	-50.90	-78.06	-68.83	5.50	12.58	V
Middle	1654.5	-66.43	-13	-53.43	-74.07	-69.68	4.00	9.40	H
	2481.75	-63.21	-13	-50.21	-74.65	-66.78	4.88	10.60	H
	3309	-62.96	-13	-49.96	-77.18	-67.89	5.52	12.60	H
	1654.5	-66.81	-13	-53.81	-74.53	-70.06	4.00	9.40	V
	2481.75	-64.33	-13	-51.33	-75.83	-67.90	4.88	10.60	V
	3309	-63.38	-13	-50.38	-77.54	-68.31	5.52	12.60	V
Highest	1659.5	-63.14	-13	-50.14	-70.66	-66.31	4.10	9.42	H
	2489.25	-59.74	-13	-46.74	-71.19	-63.32	4.90	10.63	H
	3319	-63.65	-13	-50.65	-77.84	-68.57	5.55	12.62	H
	1659.5	-67.37	-13	-54.37	-75.00	-70.54	4.10	9.42	V
	2489.25	-62.76	-13	-49.76	-74.28	-66.34	4.90	10.63	V
	3319	-63.52	-13	-50.52	-77.67	-68.44	5.55	12.62	V

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



EN-DC_48A_n5A / LTE 20MHz + NR 20MHz / QPSK ANT4(LTE) & ANT0(NR)									
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 n5 Lowest	1650	-64.45	-13	-51.45	-72.18	-67.68	3.98	9.36	H
	2475	-64.08	-13	-51.08	-75.52	-67.63	4.85	10.55	H
	3300	-62.43	-13	-49.43	-76.67	-67.36	5.50	12.58	H
	1650	-66.70	-13	-53.70	-74.49	-69.93	3.98	9.36	V
	2475	-64.31	-13	-51.31	-75.78	-67.86	4.85	10.55	V
	3300	-62.99	-13	-49.99	-77.15	-67.92	5.50	12.58	V
LTE Band48 Lowest	7241.00	-57.85	-40	-17.85	-65.62	-61.15	8.30	11.60	H
	10861.50	-55.33	-40	-15.33	-68.71	-56.85	10.48	12.00	H
	14482.00	-51.76	-40	-11.76	-67.23	-53.46	11.80	13.50	H
	7241.00	-57.08	-40	-17.08	-65.59	-60.38	8.30	11.60	V
	10861.50	-55.46	-40	-15.46	-68.38	-56.98	10.48	12.00	V
	14482.00	-50.31	-40	-10.31	-67.45	-52.01	11.80	13.50	V
NR n5 Middle	1654.1	-63.07	-13	-50.07	-70.72	-66.32	4.00	9.40	H
	2481.15	-64.03	-13	-51.03	-75.47	-67.60	4.88	10.60	H
	3308.2	-61.79	-13	-48.79	-76.00	-66.72	5.52	12.60	H
	1654.1	-66.64	-13	-53.64	-74.37	-69.89	4.00	9.40	V
	2481.15	-63.85	-13	-50.85	-75.35	-67.42	4.88	10.60	V
	3308.2	-62.82	-13	-49.82	-76.97	-67.75	5.52	12.60	V
LTE Band48 Middle	7241.00	-57.97	-40	-17.97	-65.74	-61.27	8.30	11.60	H
	10861.50	-55.17	-40	-15.17	-68.55	-56.69	10.48	12.00	H
	14482.00	-51.92	-40	-11.92	-67.39	-53.62	11.80	13.50	H
	7241.00	-57.22	-40	-17.22	-65.73	-60.52	8.30	11.60	V
	10861.50	-55.55	-40	-15.55	-68.47	-57.07	10.48	12.00	V
	14482.00	-50.31	-40	-10.31	-67.45	-52.01	11.80	13.50	V
NR n5 Highest	1660	-64.44	-13	-51.44	-71.95	-67.61	4.10	9.42	H
	2490	-64.13	-13	-51.13	-75.58	-67.71	4.90	10.63	H
	3320	-62.48	-13	-49.48	-76.66	-67.40	5.55	12.62	H
	1660	-66.62	-13	-53.62	-74.24	-69.79	4.10	9.42	V
	2490	-64.15	-13	-51.15	-75.68	-67.73	4.90	10.63	V
	3320	-63.11	-13	-50.11	-77.26	-68.03	5.55	12.62	V
LTE Band48 Highest	7241.00	-57.65	-40	-17.65	-65.42	-60.95	8.30	11.60	H
	10861.50	-55.03	-40	-15.03	-68.41	-56.55	10.48	12.00	H
	14482.00	-51.57	-40	-11.57	-67.04	-53.27	11.80	13.50	H
	7241.00	-56.96	-40	-16.96	-65.47	-60.26	8.30	11.60	V
	10861.50	-55.41	-40	-15.41	-68.33	-56.93	10.48	12.00	V
	14482.00	-50.10	-40	-10.10	-67.24	-51.80	11.80	13.50	V

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



SA n12 / NR 15MHz / QPSK / ANT0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1400	-64.82	-13	-51.82	-73.29	-68.05	3.98	9.36	H
	2100	-65.35	-13	-52.35	-76.05	-68.90	4.85	10.55	H
	2800	-63.19	-13	-50.19	-76.34	-68.12	5.50	12.58	H
	1400	-65.08	-13	-52.08	-73.45	-68.31	3.98	9.36	V
	2100	-65.15	-13	-52.15	-76.07	-68.70	4.85	10.55	V
	2800	-62.85	-13	-49.85	-75.93	-67.78	5.50	12.58	V
Middle	1402	-65.23	-13	-52.23	-73.71	-68.48	4.00	9.40	H
	2103	-65.11	-13	-52.11	-75.84	-68.68	4.88	10.60	H
	2804	-63.22	-13	-50.22	-76.38	-68.15	5.52	12.60	H
	1402	-65.21	-13	-52.21	-73.58	-68.46	4.00	9.40	V
	2103	-65.01	-13	-52.01	-75.97	-68.58	4.88	10.60	V
	2804	-63.13	-13	-50.13	-76.22	-68.06	5.52	12.60	V
Highest	1404	-65.31	-13	-52.31	-73.79	-68.48	4.10	9.42	H
	2106	-65.10	-13	-52.10	-75.86	-68.68	4.90	10.63	H
	2808	-63.17	-13	-50.17	-76.33	-68.09	5.55	12.62	H
	1404	-64.85	-13	-51.85	-73.23	-68.02	4.10	9.42	V
	2106	-65.24	-13	-52.24	-76.24	-68.82	4.90	10.63	V
	2808	-63.25	-13	-50.25	-76.35	-68.17	5.55	12.62	V

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



SA n25 / NR 20MHz / QPSK / ANT3									
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)
Lowest	3701.5	-62.66	-13	-49.66	-78.21	-69.42	5.82	12.58	H
	5552.25	-60.07	-13	-47.07	-78.62	-65.79	7.28	13.00	H
	7403	-54.68	-13	-41.68	-79.68	-57.84	8.32	11.48	H
	3701.5	-62.32	-13	-49.32	-77.62	-69.08	5.82	12.58	V
	5552.25	-60.71	-13	-47.71	-79.11	-66.43	7.28	13.00	V
	7403	-54.57	-13	-41.57	-79.89	-57.73	8.32	11.48	V
Middle	3746.5	-62.96	-13	-49.96	-78.70	-69.71	5.85	12.60	H
	5619.75	-60.38	-13	-47.38	-79.30	-66.18	7.30	13.10	H
	7493	-55.87	-13	-42.87	-80.76	-59.02	8.35	11.50	H
	3746.5	-63.39	-13	-50.39	-78.73	-70.14	5.85	12.60	V
	5619.75	-62.49	-13	-49.49	-80.73	-68.29	7.30	13.10	V
	7493	-55.35	-13	-42.35	-80.64	-58.50	8.35	11.50	V
Highest	3791.36	-62.74	-13	-49.74	-78.65	-69.48	5.88	12.62	H
	5687.04	-59.45	-13	-46.45	-79.34	-65.26	7.32	13.13	H
	7582.72	-55.52	-13	-42.52	-80.27	-58.68	8.38	11.54	H
	3791.36	-63.18	-13	-50.18	-78.55	-69.92	5.88	12.62	V
	5687.04	-61.61	-13	-48.61	-80.48	-67.42	7.32	13.13	V
	7582.72	-55.18	-13	-42.18	-80.41	-58.34	8.38	11.54	V

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



EN-DC_48A_n25A / LTE 20MHz + NR 20MHz / QPSK / ANT4(LTE) & ANT3(NR)									
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 n25 Lowest	3701.5	-62.23	-13	-49.23	-77.78	-68.99	5.82	12.58	H
	5552.25	-57.89	-13	-44.89	-76.44	-63.61	7.28	13.00	H
	7403	-57.86	-13	-44.86	-66.03	-61.02	8.32	11.48	H
	3701.5	-62.24	-13	-49.24	-77.54	-69.00	5.82	12.58	V
	5552.25	-58.72	-13	-45.72	-77.12	-64.44	7.28	13.00	V
	7403	-57.38	-13	-44.38	-65.87	-60.54	8.32	11.48	V
LTE Band48 Lowest	7241.00	-58.16	-40	-18.16	-65.93	-61.46	8.30	11.60	H
	10861.50	-55.16	-40	-15.16	-68.54	-56.68	10.48	12.00	H
	14482.00	-52.04	-40	-12.04	-67.51	-53.74	11.80	13.50	H
	7241.00	-57.20	-40	-17.20	-65.71	-60.50	8.30	11.60	V
	10861.50	-55.89	-40	-15.89	-68.81	-57.41	10.48	12.00	V
	14482.00	-49.99	-40	-9.99	-67.13	-51.69	11.80	13.50	V
NR n25 Middle	3746.5	-62.32	-13	-49.32	-78.06	-69.07	5.85	12.60	H
	5619.75	-59.21	-13	-46.21	-78.13	-65.01	7.30	13.10	H
	7493	-58.40	-13	-45.40	-66.21	-61.55	8.35	11.50	H
	3746.5	-62.66	-13	-49.66	-78	-69.41	5.85	12.60	V
	5618	-61.67	-13	-48.67	-79.91	-67.47	7.30	13.10	V
	7493	-57.92	-13	-44.92	-66.13	-61.07	8.35	11.50	V
LTE Band48 Middle	7241.00	-58.01	-40	-18.01	-65.78	-61.31	8.30	11.60	H
	10861.50	-55.05	-40	-15.05	-68.43	-56.57	10.48	12.00	H
	14482.00	-52.04	-40	-12.04	-67.51	-53.74	11.80	13.50	H
	7241.00	-57.28	-40	-17.28	-65.79	-60.58	8.30	11.60	V
	10861.50	-55.65	-40	-15.65	-68.57	-57.17	10.48	12.00	V
	14482.00	-50.22	-40	-10.22	-67.36	-51.92	11.80	13.50	V
NR n25 Highest	3791.36	-61.85	-13	-48.85	-77.76	-68.59	5.88	12.62	H
	5687.04	-56.56	-13	-43.56	-76.45	-62.37	7.32	13.13	H
	7582.72	-58.06	-13	-45.06	-65.64	-61.22	8.38	11.54	H
	3791.36	-62.18	-13	-49.18	-77.55	-68.92	5.88	12.62	V
	5687.04	-59.61	-13	-46.61	-78.48	-65.42	7.32	13.13	V
	7582.72	-57.72	-13	-44.72	-65.78	-60.88	8.38	11.54	V
LTE Band48 Highest	7241.00	-57.97	-40	-17.97	-65.74	-61.27	8.30	11.60	H
	10861.50	-55.31	-40	-15.31	-68.69	-56.83	10.48	12.00	H
	14482.00	-51.94	-40	-11.94	-67.41	-53.64	11.80	13.50	H
	7241.00	-57.39	-40	-17.39	-65.9	-60.69	8.30	11.60	V
	10861.50	-55.68	-40	-15.68	-68.6	-57.20	10.48	12.00	V
	14482.00	-50.35	-40	-10.35	-67.49	-52.05	11.80	13.50	V

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



SA n71 / 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)
Lowest	1327	-64.23	-13	-51.23	-71.56	-67.46	3.98	9.36	H
	1990.5	-66.10	-13	-53.10	-75.68	-69.65	4.85	10.55	H
	2654	-63.68	-13	-50.68	-76.13	-68.61	5.50	12.58	H
	1327	-64.94	-13	-51.94	-72.21	-68.17	3.98	9.36	V
	1990.5	-65.87	-13	-52.87	-75.56	-69.42	4.85	10.55	V
	2654	-63.64	-13	-50.64	-75.96	-68.57	5.50	12.58	V
Middle	1342	-64.76	-13	-51.76	-72.32	-68.01	4.00	9.40	H
	2013	-65.61	-13	-52.61	-75.40	-69.18	4.88	10.60	H
	2684	-63.36	-13	-50.36	-75.96	-68.29	5.52	12.60	H
	1342	-65.36	-13	-52.36	-72.86	-68.61	4.00	9.40	V
	2013	-65.49	-13	-52.49	-75.40	-69.06	4.88	10.60	V
	2684	-63.55	-13	-50.55	-76.03	-68.48	5.52	12.60	V
Highest	1357	-65.14	-13	-52.14	-72.94	-68.31	4.10	9.42	H
	2035.5	-65.34	-13	-52.34	-75.36	-68.92	4.90	10.63	H
	2714	-63.38	-13	-50.38	-76.11	-68.30	5.55	12.62	H
	1357	-65.30	-13	-52.30	-73.02	-68.47	4.10	9.42	V
	2035.5	-65.42	-13	-52.42	-75.58	-69.00	4.90	10.63	V
	2714	-63.26	-13	-50.26	-75.89	-68.18	5.55	12.62	V

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



EN-DC_48A_n71A / LTE 20MHz + NR 20MHz / QPSK / ANT4(LTE) & ANT0(NR)									
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 n71 Lowest	1327	-62.31	-13	-49.31	-54.90	-65.54	3.98	9.36	H
	1990.5	-68.29	-13	-55.29	-60.69	-71.84	4.85	10.55	H
	2654	-64.89	-13	-51.89	-60.46	-69.82	5.50	12.58	H
	1327	-65.21	-13	-52.21	-57.74	-68.44	3.98	9.36	V
	1990.5	-68.07	-13	-55.07	-60.58	-71.62	4.85	10.55	V
	2654	-65.34	-13	-52.34	-60.78	-70.27	5.50	12.58	V
LTE Band48 Lowest	7241.00	-58.12	-40	-18.12	-65.89	-61.42	8.30	11.60	H
	10861.50	-54.95	-40	-14.95	-68.33	-56.47	10.48	12.00	H
	14482.00	-52.00	-40	-12.00	-67.47	-53.70	11.80	13.50	H
	7241.00	-57.20	-40	-17.20	-65.71	-60.50	8.30	11.60	V
	10861.50	-55.46	-40	-15.46	-68.38	-56.98	10.48	12.00	V
	14482.00	-49.83	-40	-9.83	-66.97	-51.53	11.80	13.50	V
NR n71 Middle	1342	-65.13	-13	-52.13	-57.82	-68.38	4.00	9.40	H
	2013	-68.30	-13	-55.30	-60.89	-71.87	4.88	10.60	H
	2684	-64.87	-13	-51.87	-60.61	-69.80	5.52	12.60	H
	1342	-67.62	-13	-54.62	-60.25	-70.87	4.00	9.40	V
	2013	-67.82	-13	-54.82	-60.53	-71.39	4.88	10.60	V
	2684	-65.01	-13	-52.01	-60.63	-69.94	5.52	12.60	V
LTE Band48 Middle	7241.00	-57.87	-40	-17.87	-65.64	-61.17	8.30	11.60	H
	10861.50	-54.98	-40	-14.98	-68.36	-56.50	10.48	12.00	H
	14482.00	-51.51	-40	-11.51	-66.98	-53.21	11.80	13.50	H
	7241.00	-57.07	-40	-17.07	-65.58	-60.37	8.30	11.60	V
	10861.50	-55.53	-40	-15.53	-68.45	-57.05	10.48	12.00	V
	14482.00	-49.98	-40	-9.98	-67.12	-51.68	11.80	13.50	V
NR n71 Highest	1357	-64.86	-13	-51.86	-57.66	-68.03	4.10	9.42	H
	2035.5	-68.23	-13	-55.23	-61.07	-71.81	4.90	10.63	H
	2714	-64.85	-13	-51.85	-60.75	-69.77	5.55	12.62	H
	1357	-67.73	-13	-54.73	-60.45	-70.90	4.10	9.42	V
	2035.5	-67.99	-13	-54.99	-60.97	-71.57	4.90	10.63	V
	2714	-64.78	-13	-51.78	-60.58	-69.70	5.55	12.62	V
LTE Band48 Highest	7241.00	-57.75	-40	-17.75	-65.52	-61.05	8.30	11.60	H
	10861.50	-54.99	-40	-14.99	-68.37	-56.51	10.48	12.00	H
	14482.00	-51.99	-40	-11.99	-67.46	-53.69	11.80	13.50	H
	7241.00	-57.09	-40	-17.09	-65.6	-60.39	8.30	11.60	V
	10861.50	-55.75	-40	-15.75	-68.67	-57.27	10.48	12.00	V
	14482.00	-50.36	-40	-10.36	-67.50	-52.06	11.80	13.50	V

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