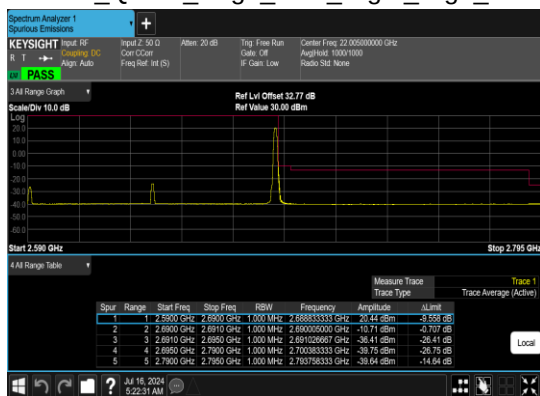
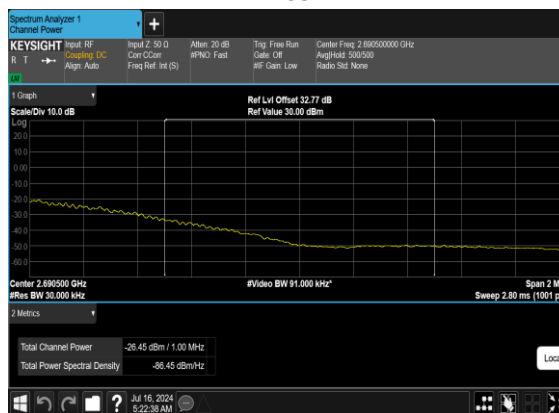




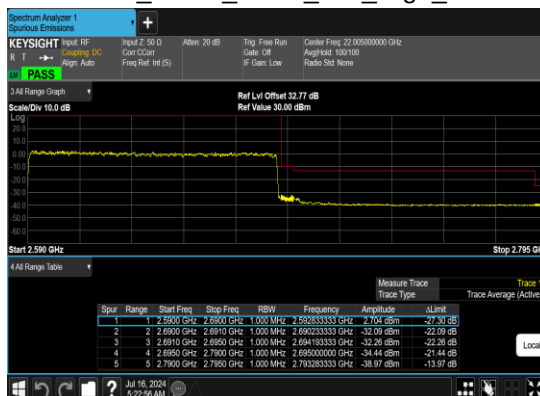
N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



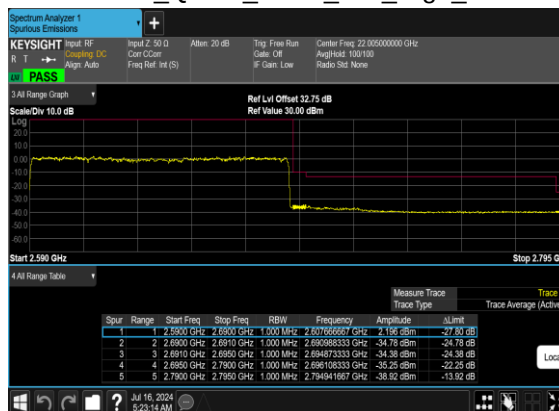
N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH_CH_P
ASS



N41(100M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N41(100M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





Software Version: 23.06.1602

FR1 N71(Ant 0)

Transmitter Conducted Output Power And ERP, ($G_T - L_C$)=-2.0dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	ERP (dBm)	ERP (W)
71	15	20	134600	673	DFT-s-OFDM PI/2 BPSK	50@25	23.2	19.05	0.0804
71	15	20	134600	673	DFT-s-OFDM PI/2 BPSK	1@1	23.6	19.45	0.0881
71	15	20	134600	673	DFT-s-OFDM PI/2 BPSK	1@104	22.93	18.78	0.0755
71	15	20	134600	673	DFT-s-OFDM QPSK	50@25	23.05	18.9	0.0776
71	15	20	134600	673	DFT-s-OFDM QPSK	1@1	23.44	19.29	0.0849
71	15	20	134600	673	DFT-s-OFDM QPSK	1@104	23.04	18.89	0.0774
71	15	20	134600	673	DFT-s-OFDM 16 QAM	50@25	22.03	17.88	0.0614
71	15	20	134600	673	DFT-s-OFDM 16 QAM	1@1	22.49	18.34	0.0682
71	15	20	134600	673	DFT-s-OFDM 16 QAM	1@104	22.11	17.96	0.0625
71	15	20	134600	673	DFT-s-OFDM 64 QAM	50@25	20.61	16.46	0.0443
71	15	20	134600	673	DFT-s-OFDM 64 QAM	1@1	21	16.85	0.0484
71	15	20	134600	673	DFT-s-OFDM 64 QAM	1@104	20.52	16.37	0.0434
71	15	20	134600	673	DFT-s-OFDM 256 QAM	50@25	18.55	14.4	0.0275
71	15	20	134600	680.5	DFT-s-OFDM 256 QAM	1@1	18.53	14.38	0.0274
71	15	20	134600	680.5	DFT-s-OFDM 256 QAM	1@104	18.48	14.33	0.0271
71	15	20	134600	673	CP-OFDM QPSK	53@26	21.64	17.49	0.0561
71	15	20	134600	673	CP-OFDM QPSK	1@1	21.99	17.84	0.0608
71	15	20	134600	673	CP-OFDM QPSK	1@104	21.38	17.23	0.0528
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	50@25	23	18.85	0.0767



71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	1@1	23.1	18.95	0.0785
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	1@104	22.93	18.78	0.0755
71	15	20	136100	680.5	DFT-s-OFDM QPSK	50@25	23.04	18.89	0.0774
71	15	20	136100	680.5	DFT-s-OFDM QPSK	1@1	23.16	19.01	0.0796
71	15	20	136100	680.5	DFT-s-OFDM QPSK	1@104	22.88	18.73	0.0746
71	15	20	136100	680.5	DFT-s-OFDM 16 QAM	50@25	22.01	17.86	0.0611
71	15	20	136100	680.5	DFT-s-OFDM 16 QAM	1@1	22.23	18.08	0.0643
71	15	20	136100	680.5	DFT-s-OFDM 16 QAM	1@104	21.95	17.8	0.0603
71	15	20	136100	680.5	DFT-s-OFDM 64 QAM	50@25	20.58	16.43	0.0440
71	15	20	136100	680.5	DFT-s-OFDM 64 QAM	1@1	20.72	16.57	0.0454
71	15	20	136100	680.5	DFT-s-OFDM 64 QAM	1@104	20.45	16.3	0.0427
71	15	20	136100	680.5	DFT-s-OFDM 256 QAM	50@25	18.51	14.36	0.0273
71	15	20	136100	680.5	DFT-s-OFDM 256 QAM	1@1	18.28	14.13	0.0259
71	15	20	136100	680.5	DFT-s-OFDM 256 QAM	1@104	18.12	13.97	0.0249
71	15	20	136100	680.5	CP-OFDM QPSK	53@26	21.56	17.41	0.0551
71	15	20	136100	680.5	CP-OFDM QPSK	1@1	21.74	17.59	0.0574
71	15	20	136100	680.5	CP-OFDM QPSK	1@104	21.43	17.28	0.0535
71	15	20	137600	680.5	DFT-s-OFDM PI/2 BPSK	50@25	23.05	18.9	0.0776
71	15	20	137600	680.5	DFT-s-OFDM PI/2 BPSK	1@1	23.13	18.98	0.0791
71	15	20	137600	688	DFT-s-OFDM PI/2 BPSK	1@104	22.8	18.65	0.0733
71	15	20	137600	688	DFT-s-OFDM QPSK	50@25	22.9	18.75	0.0750
71	15	20	137600	688	DFT-s-OFDM QPSK	1@1	23.05	18.9	0.0776
71	15	20	137600	688	DFT-s-OFDM QPSK	1@104	22.82	18.67	0.0736



71	15	20	137600	688	DFT-s-OFDM 16 QAM	50@25	21.93	17.78	0.0600
71	15	20	137600	688	DFT-s-OFDM 16 QAM	1@1	22.16	18.01	0.0632
71	15	20	137600	688	DFT-s-OFDM 16 QAM	1@104	21.98	17.83	0.0607
71	15	20	137600	688	DFT-s-OFDM 64 QAM	50@25	20.48	16.33	0.0430
71	15	20	137600	688	DFT-s-OFDM 64 QAM	1@1	20.62	16.47	0.0444
71	15	20	137600	688	DFT-s-OFDM 64 QAM	1@104	20.49	16.34	0.0431
71	15	20	137600	688	DFT-s-OFDM 256 QAM	50@25	18.33	14.18	0.0262
71	15	20	137600	688	DFT-s-OFDM 256 QAM	1@1	18.16	14.01	0.0252
71	15	20	137600	688	DFT-s-OFDM 256 QAM	1@104	18.17	14.02	0.0252
71	15	20	137600	688	CP-OFDM QPSK	53@26	21.4	17.25	0.0531
71	15	20	137600	688	CP-OFDM QPSK	1@1	21.7	17.55	0.0569
71	15	20	137600	688	CP-OFDM QPSK	1@104	21.47	17.32	0.0540
71	15	5	133100	665.5	DFT-s-OFDM PI/2 BPSK	1@1	23.56	19.41	0.0873
71	15	5	133100	665.5	DFT-s-OFDM QPSK	1@1	23.59	19.44	0.0879
71	15	5	133100	665.5	DFT-s-OFDM 16 QAM	1@1	22.56	18.41	0.0693
71	15	5	136100	680.5	DFT-s-OFDM PI/2 BPSK	1@1	23.03	18.88	0.0773
71	15	5	136100	680.5	DFT-s-OFDM QPSK	1@1	23.1	18.95	0.0785
71	15	5	136100	680.5	DFT-s-OFDM 16 QAM	1@1	22.22	18.07	0.0641
71	15	5	139100	695.5	DFT-s-OFDM PI/2 BPSK	1@1	22.94	18.79	0.0757
71	15	5	139100	695.5	DFT-s-OFDM QPSK	1@1	23.04	18.89	0.0774
71	15	5	139100	695.5	DFT-s-OFDM 16 QAM	1@1	22.14	17.99	0.0630
71	15	10	133600	668	DFT-s-OFDM PI/2 BPSK	1@1	23.49	19.34	0.0859
71	15	10	133600	668	DFT-s-OFDM QPSK	1@1	23.53	19.38	0.0867



71	15	10	133600	668	DFT-s-OFDM 16 QAM	1@1	22.62	18.47	0.0703
71	15	10	136100	680.5	DFT-s-OFDM PI/2 BPSK	1@1	23.06	18.91	0.0778
71	15	10	136100	680.5	DFT-s-OFDM QPSK	1@1	23.15	19	0.0794
71	15	10	136100	680.5	DFT-s-OFDM 16 QAM	1@1	22.22	18.07	0.0641
71	15	10	138600	693	DFT-s-OFDM PI/2 BPSK	1@1	23.05	18.9	0.0776
71	15	10	138600	693	DFT-s-OFDM QPSK	1@1	23.07	18.92	0.0780
71	15	10	138600	693	DFT-s-OFDM 16 QAM	1@1	22.22	18.07	0.0641
71	15	15	134100	670.5	DFT-s-OFDM PI/2 BPSK	1@1	23.33	19.18	0.0828
71	15	15	134100	670.5	DFT-s-OFDM QPSK	1@1	23.44	19.29	0.0849
71	15	15	134100	670.5	DFT-s-OFDM 16 QAM	1@1	22.53	18.38	0.0689
71	15	15	136100	680.5	DFT-s-OFDM PI/2 BPSK	1@1	23.02	18.87	0.0771
71	15	15	136100	680.5	DFT-s-OFDM QPSK	1@1	22.98	18.83	0.0764
71	15	15	136100	680.5	DFT-s-OFDM 16 QAM	1@1	22.14	17.99	0.0630
71	15	15	138100	690.5	DFT-s-OFDM PI/2 BPSK	1@1	22.91	18.76	0.0752
71	15	15	138100	690.5	DFT-s-OFDM QPSK	1@1	23.07	18.92	0.0780
71	15	15	138100	690.5	DFT-s-OFDM 16 QAM	1@1	21.99	17.84	0.0608



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	-0.0031	PASS	NV
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	-0.0024	PASS	LV
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0019	PASS	HV
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0026	PASS	-30℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	-0.0011	PASS	-20℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0024	PASS	-10℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0017	PASS	0℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	-0.0013	PASS	10℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	-0.0019	PASS	20℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	-0.0025	PASS	30℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	-0.0021	PASS	40℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0031	PASS	50℃



Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	100@0	4.12	13	PASS
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	1@0	4.73	13	PASS
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	5.57	13	PASS
71	15	20	136100	680.5	DFT-s-OFDM QPSK	1@0	6.26	13	PASS



N71(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



N71(20M)_DFT-s-OFDM_PI_2-
BPSK_Edge_1RB_Left_Mid_CH



N71(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



N71(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

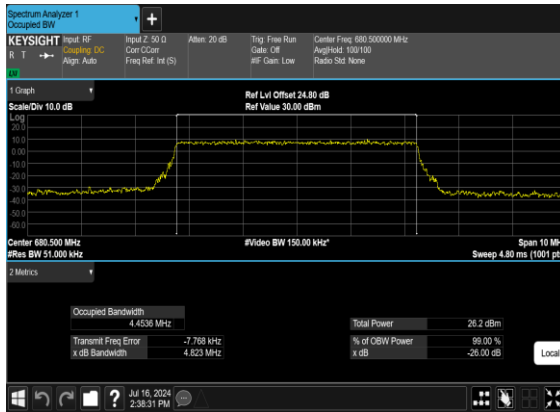


**Occupied Bandwidth**

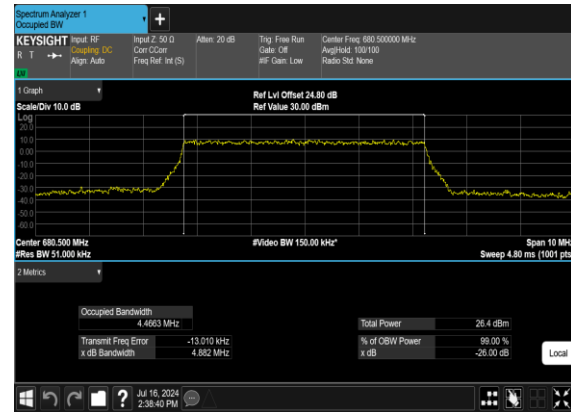
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
71	15	5	136100	680.5	CP-OFDM QPSK	25@0	4.4536	4.823
71	15	5	136100	680.5	CP-OFDM 16 QAM	25@0	4.4663	4.882
71	15	5	136100	680.5	CP-OFDM 64 QAM	25@0	4.4583	4.827
71	15	5	136100	680.5	CP-OFDM 256 QAM	25@0	4.4671	4.927
71	15	10	136100	680.5	CP-OFDM QPSK	52@0	9.2537	9.824
71	15	10	136100	680.5	CP-OFDM 16 QAM	52@0	9.2623	9.825
71	15	10	136100	680.5	CP-OFDM 64 QAM	52@0	9.2537	9.747
71	15	10	136100	680.5	CP-OFDM 256 QAM	52@0	9.2567	9.898
71	15	15	136100	680.5	CP-OFDM QPSK	79@0	14.031	14.82
71	15	15	136100	680.5	CP-OFDM 16 QAM	79@0	14.067	14.74
71	15	15	136100	680.5	CP-OFDM 64 QAM	79@0	14.068	14.65
71	15	15	136100	680.5	CP-OFDM 256 QAM	79@0	14.044	14.74
71	15	20	136100	680.5	CP-OFDM QPSK	106@0	18.858	19.61
71	15	20	136100	680.5	CP-OFDM 16 QAM	106@0	18.81	19.69
71	15	20	136100	680.5	CP-OFDM 64 QAM	106@0	18.807	19.59
71	15	20	136100	680.5	CP-OFDM 256 QAM	106@0	18.861	19.78



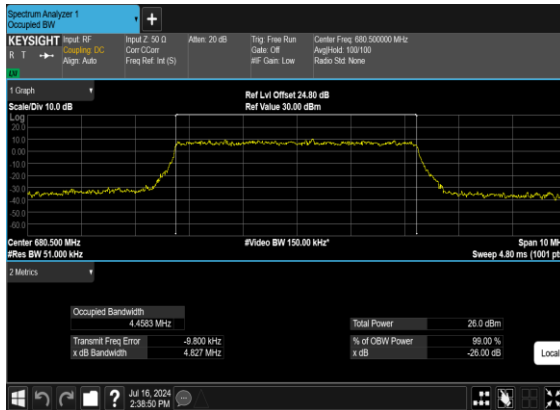
N71(5M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



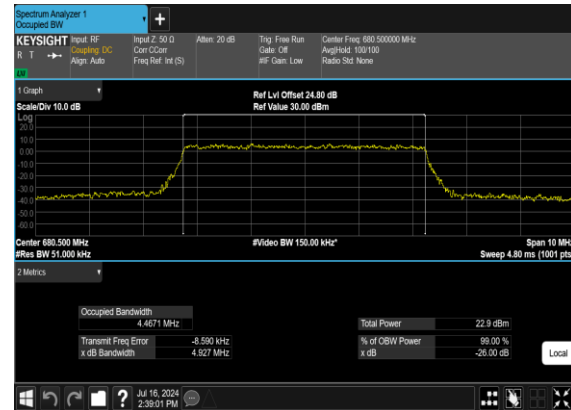
N71(5M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N71(5M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

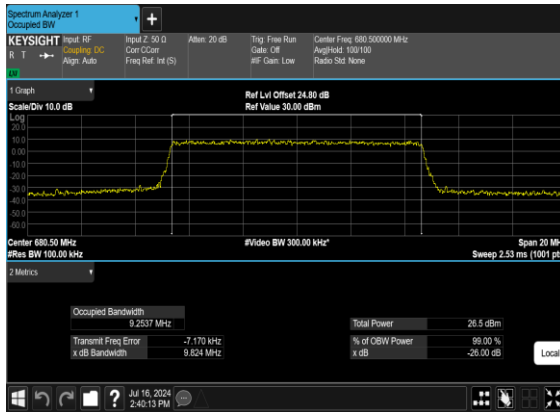


N71(5M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

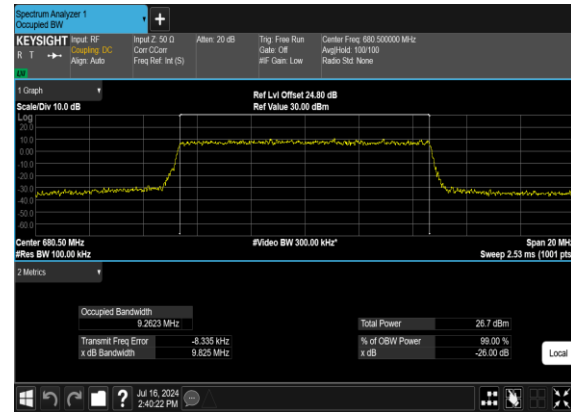




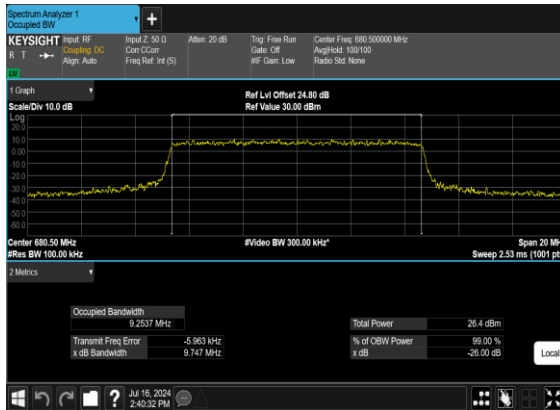
N71(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



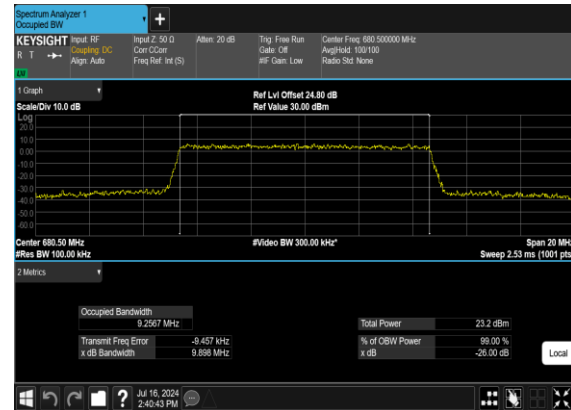
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QAM_Outer_Full_Mid_CH



N71(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

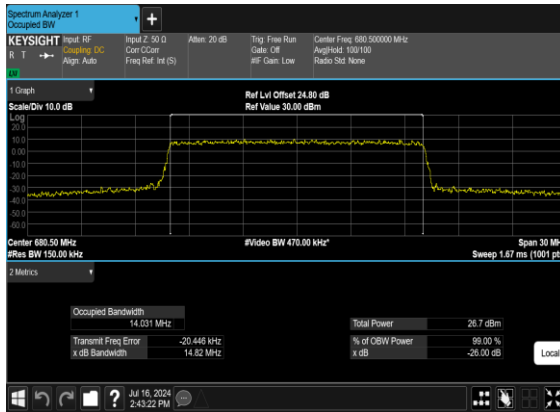


N71(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

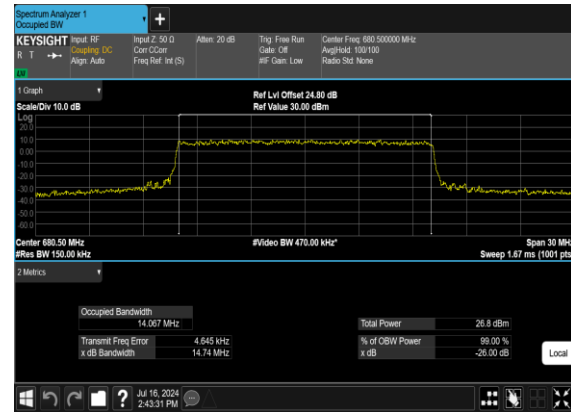




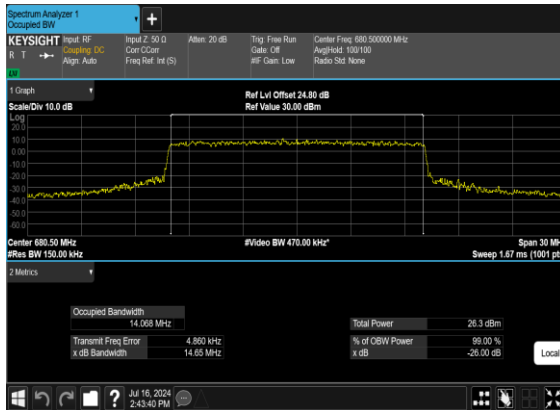
N71(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



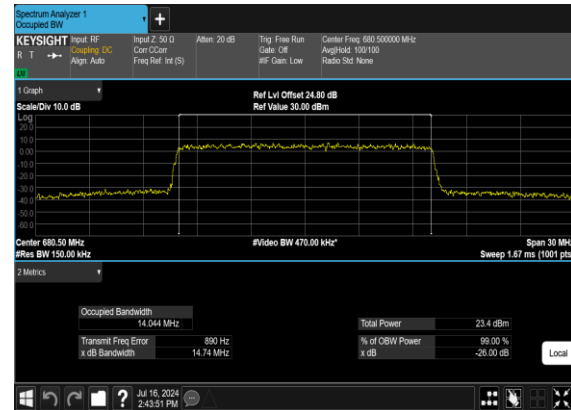
N71(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N71(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

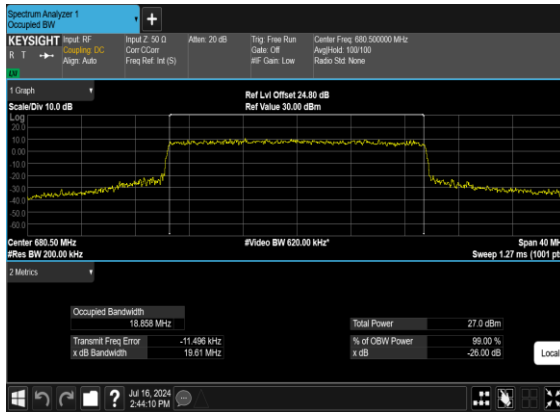


N71(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

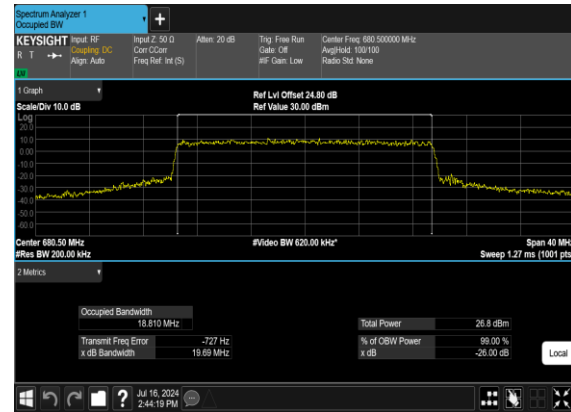




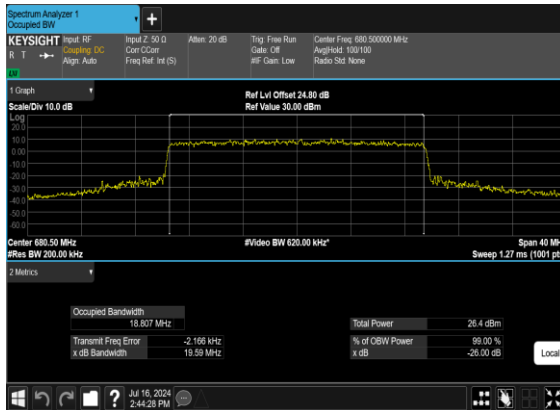
N71(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



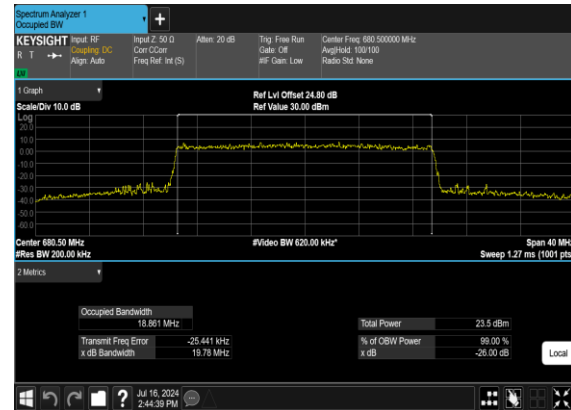
N71(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N71(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N71(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

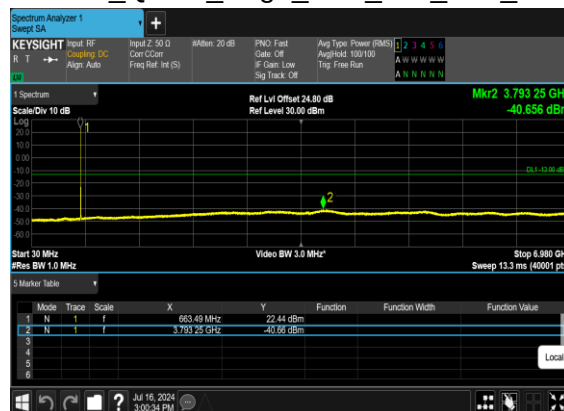


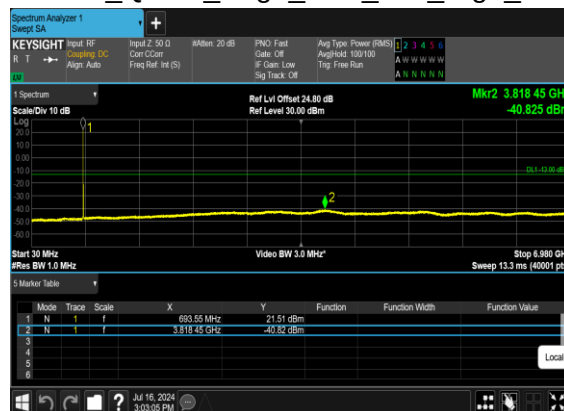
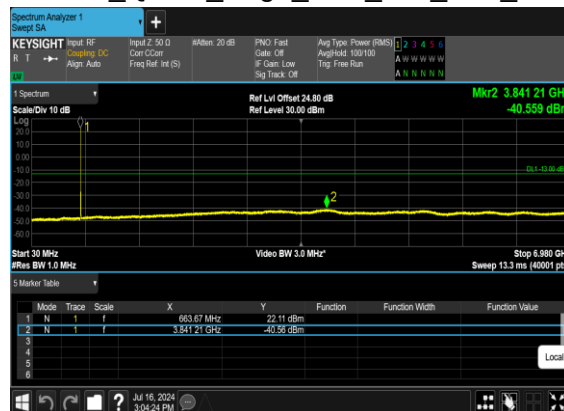
**Conducted Spurious Emissions**

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
71	15	5	133100	680.5	DFT-s-OFDM BPSK	1@0	see graph	---
71	15	5	133100	680.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
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 BPSK	1@0	see graph	---
71	15	5	136100	680.5	DFT-s-OFDM BPSK	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 BPSK	1@0	see graph	---
71	15	5	139100	695.5	DFT-s-OFDM BPSK	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 BPSK	1@0	see graph	---
71	15	10	133600	668.0	DFT-s-OFDM BPSK	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 BPSK	1@0	see graph	---
71	15	10	136100	680.5	DFT-s-OFDM BPSK	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 BPSK	1@0	see graph	---
71	15	10	138600	693.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
71	15	10	138600	680.5	DFT-s-OFDM QPSK	1@0	see graph	---
71	15	10	138600	680.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	20	134600	673.0	DFT-s-OFDM BPSK	1@0	see graph	---
71	15	20	134600	673.0	DFT-s-OFDM BPSK	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 BPSK	1@0	see graph	---
71	15	20	136100	680.5	DFT-s-OFDM BPSK	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 BPSK	1@0	see graph	---
71	15	20	137600	688.0	DFT-s-OFDM BPSK	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_BPSK_Edge_1RB_Left_Low_CHN71(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN71(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CHN71(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

N71(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CHN71(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CHN71(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN71(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



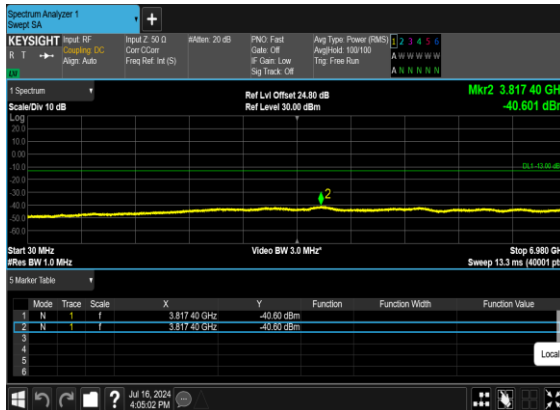
N71(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



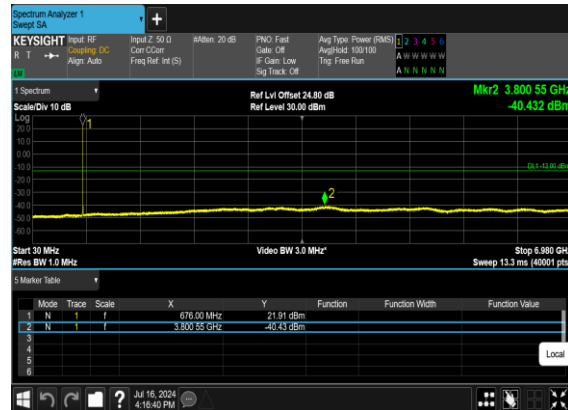
N71(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N71(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N71(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

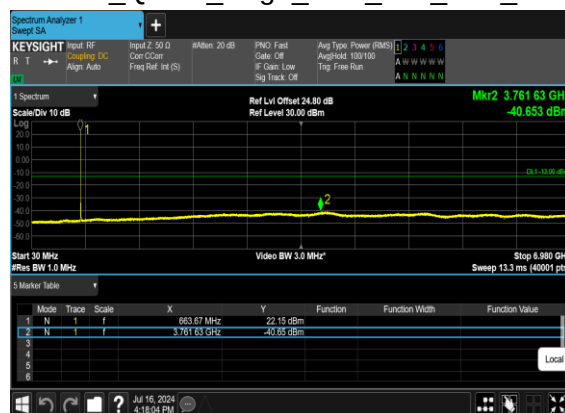




N71(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



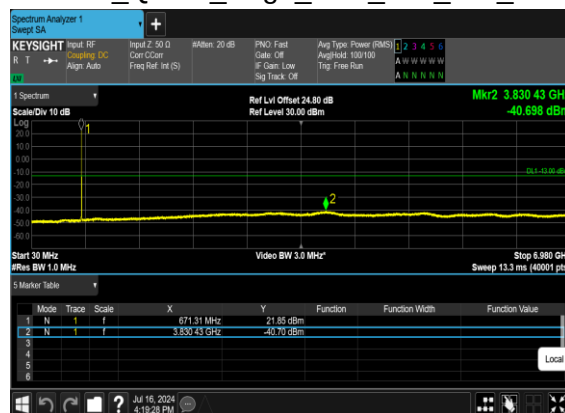
N71(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N71(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH

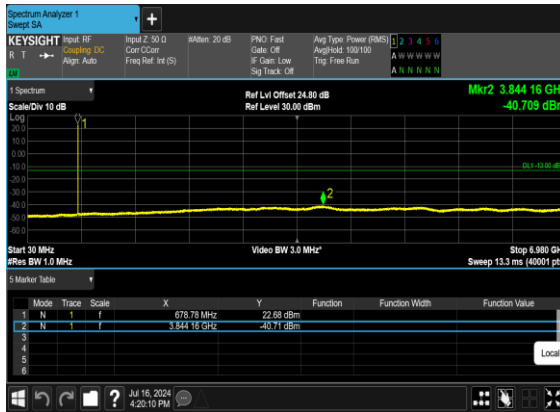


N71(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH





N71(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N71(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH





Conducted Band Edge

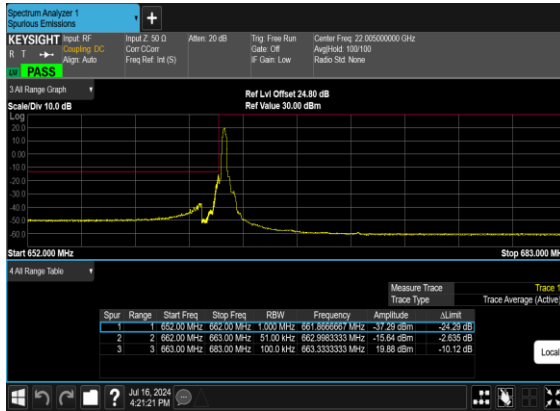
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
71	15	5	133100	665.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
71	15	5	133100	665.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	5	133100	665.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
71	15	5	133100	665.5	DFT-s-OFDM QPSK	25@0	see graph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



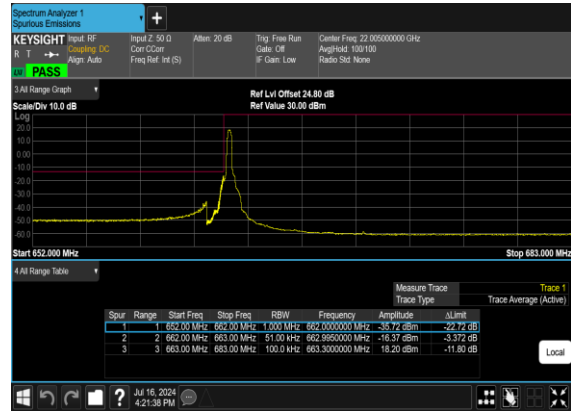
71	15	20	137600	688.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
71	15	20	137600	688.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
71	15	20	137600	688.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
71	15	20	137600	688.0	DFT-s-OFDM QPSK	100@0	see graph	PASS



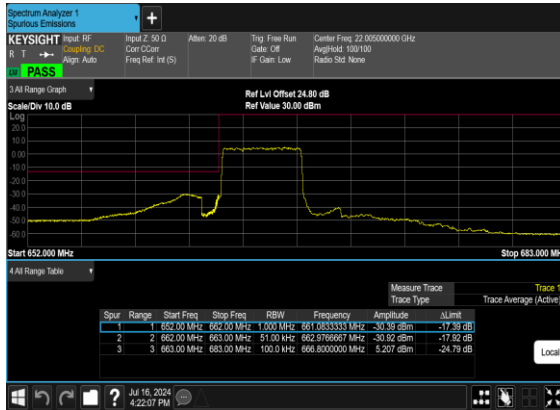
N71(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N71(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N71(5M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

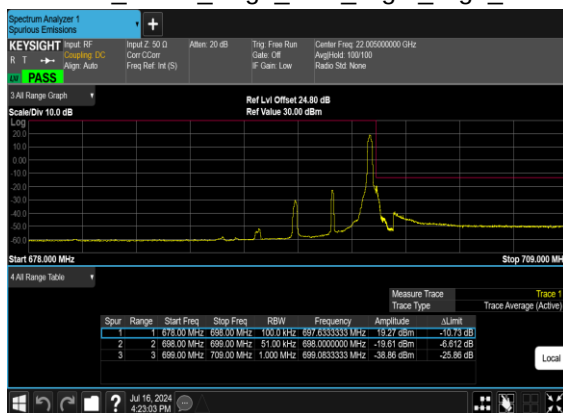


N71(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

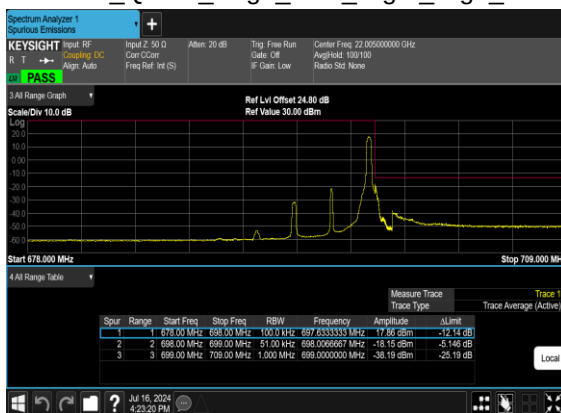




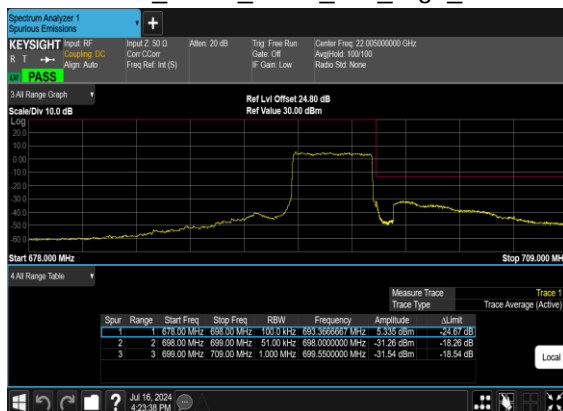
N71(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



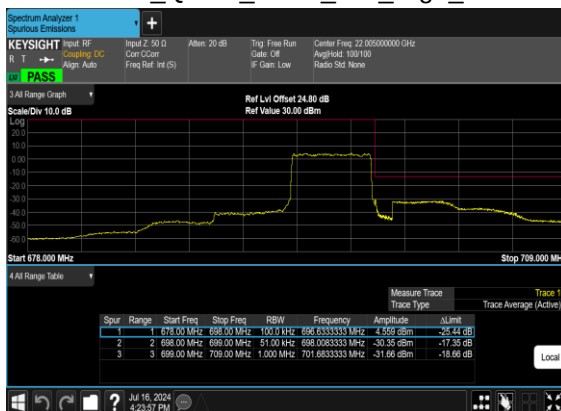
N71(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N71(5M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

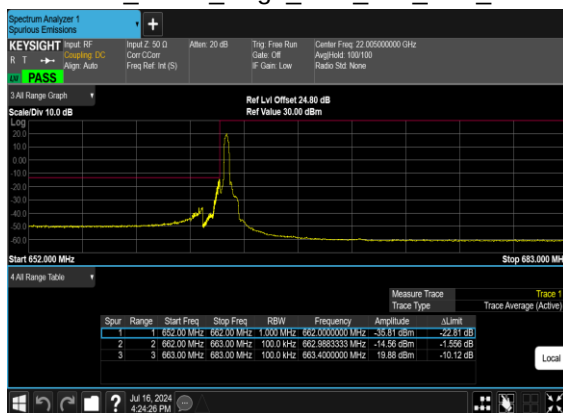


N71(5M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

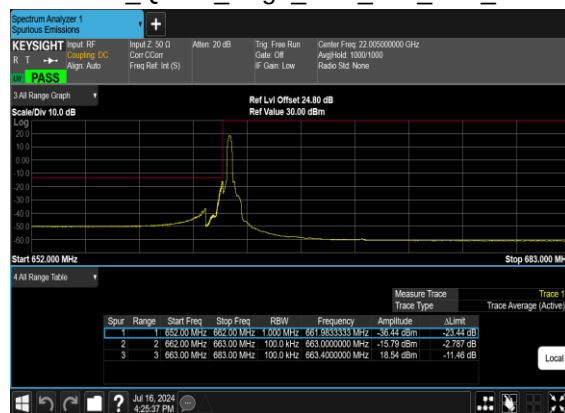




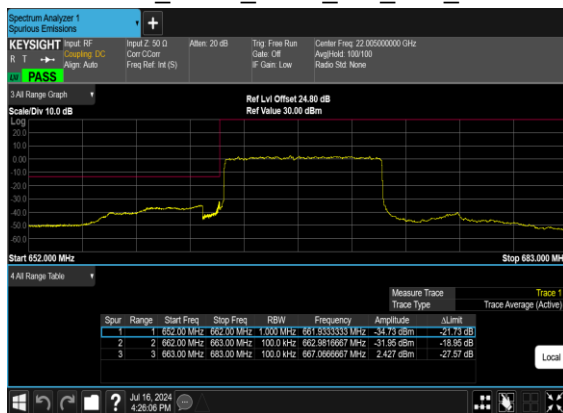
N71(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



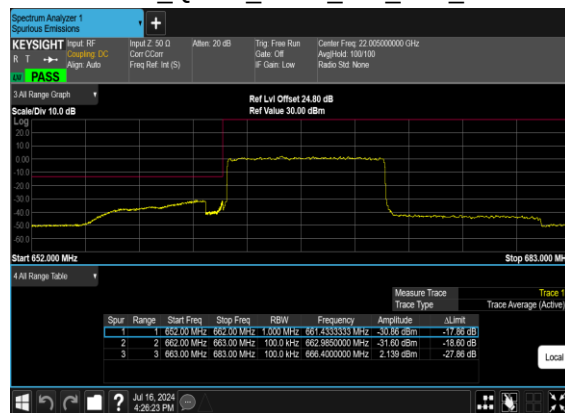
N71(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N71(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

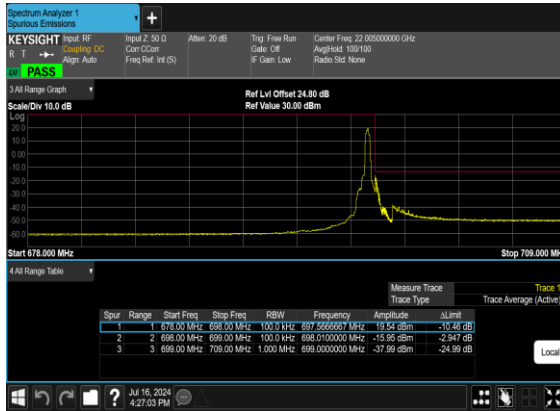


N71(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

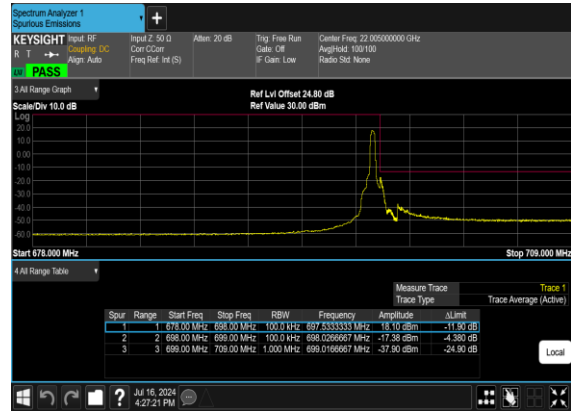




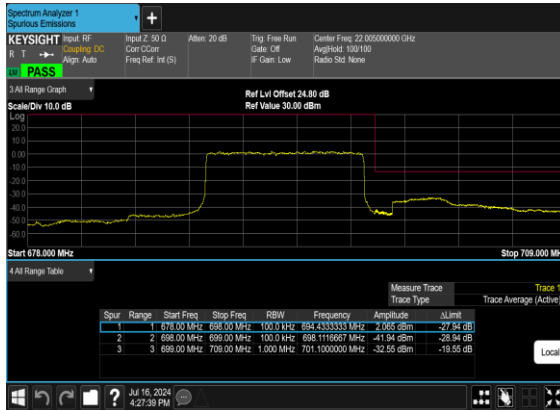
N71(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



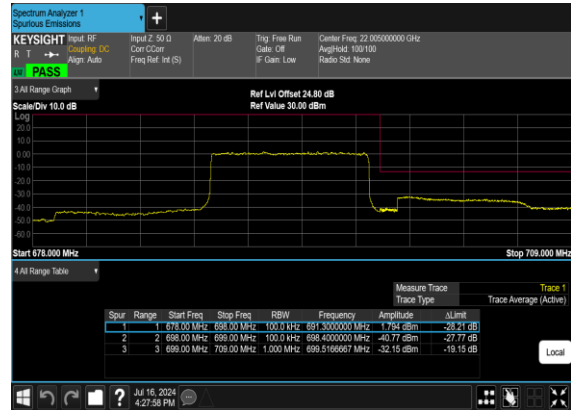
N71(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N71(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

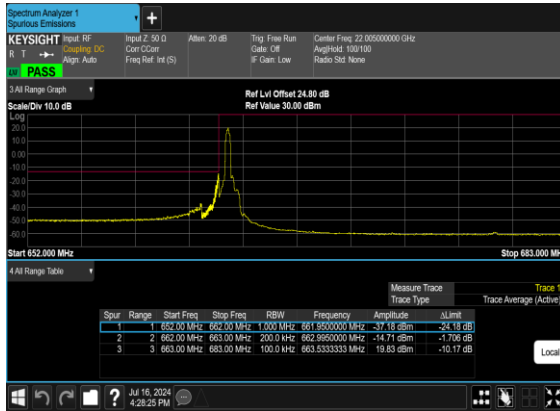


N71(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

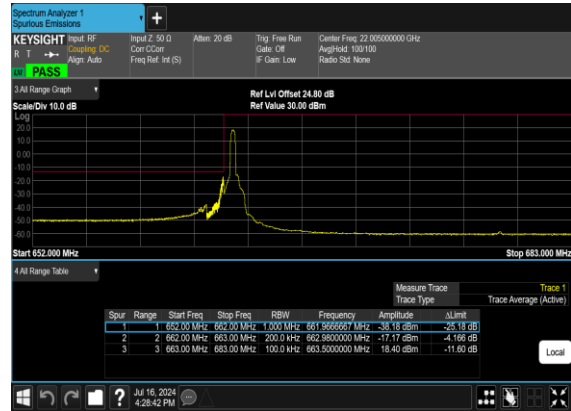




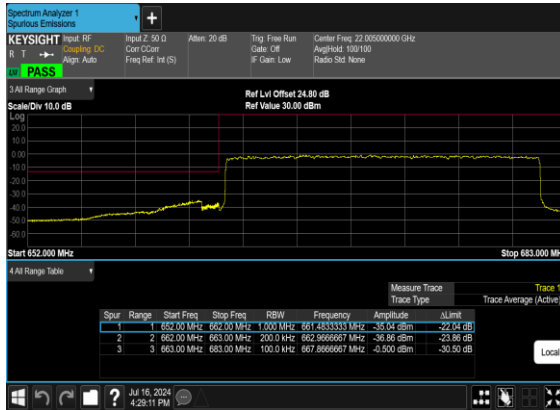
N71(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



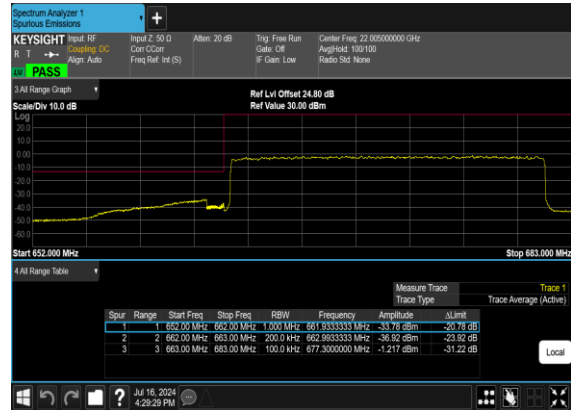
N71(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N71(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

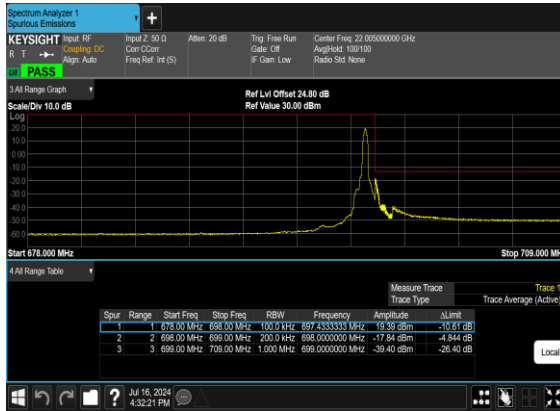


N71(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

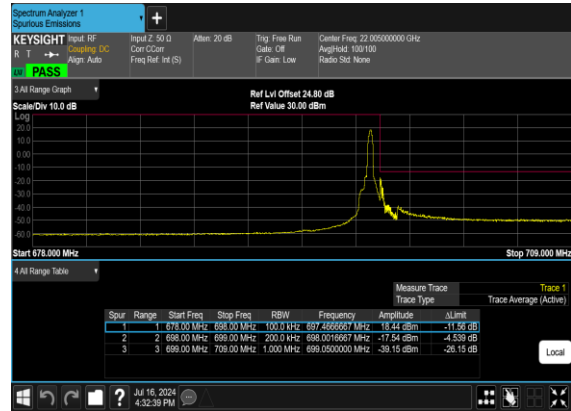




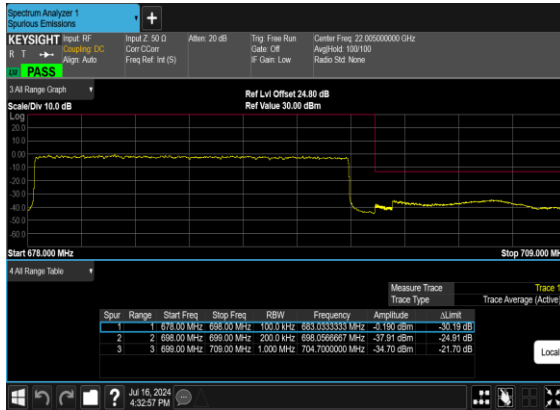
N71(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



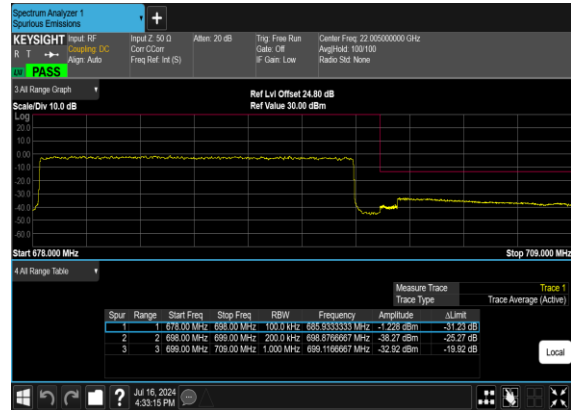
N71(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N71(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N71(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Bruce	Temperature :	23~25°C
		Relative Humidity :	41~42%

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

n7 SA / NR 40MHz / QPSK(ANT3)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5008	-62.46	-25	-37.46	-72.67	3.03	13.24	H
	7500	-58.95	-25	-33.95	-68.40	3.56	13.01	H
	10006	-60.57	-25	-35.57	-70.09	3.92	13.44	H
	5008	-62.15	-25	-37.15	-72.36	3.03	13.24	V
	7500	-60.89	-25	-35.89	-70.34	3.56	13.01	V
	10006	-59.50	-25	-34.50	-69.02	3.92	13.44	V
Middle	5036	-61.84	-25	-36.84	-72.05	3.03	13.24	H
	7542	-56.92	-25	-31.92	-66.37	3.56	13.01	H
	10062	-59.40	-25	-34.40	-68.92	3.92	13.44	H
	5036	-61.62	-25	-36.62	-71.83	3.03	13.24	V
	7542	-59.60	-25	-34.60	-69.05	3.56	13.01	V
	10062	-58.72	-25	-33.72	-68.24	3.92	13.44	V
Highest	5064	-62.79	-25	-37.79	-73.00	3.03	13.24	H
	7598	-58.35	-25	-33.35	-67.80	3.56	13.01	H
	10118	-61.63	-25	-36.63	-71.15	3.92	13.44	H
	5064	-62.88	-25	-37.88	-73.09	3.03	13.24	V
	7598	-61.00	-25	-36.00	-70.45	3.56	13.01	V
	10118	-58.81	-25	-33.81	-68.33	3.92	13.44	V

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



EN-DC_5A_n7A / LTE 10MHz + NR 40MHz / QPSK (ANT0+3) for Other PA								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5008	-63.20	-25	-38.20	-73.41	3.03	13.24	H
	7500	-51.97	-25	-26.97	-61.42	3.56	13.01	H
	10006	-62.35	-25	-37.35	-71.87	3.92	13.44	H
	12498	-60.73	-25	-35.73	-70.65	4.44	14.36	H
	5008	-63.86	-25	-38.86	-74.07	3.03	13.24	V
	7500	-59.51	-25	-34.51	-68.96	3.56	13.01	V
	10006	-61.38	-25	-36.38	-70.90	3.92	13.44	V
	12498	-57.83	-25	-32.83	-67.75	4.44	14.36	V
Middle	5036	-61.78	-25	-36.78	-71.99	3.03	13.24	H
	7542	-60.41	-25	-35.41	-69.86	3.56	13.01	H
	10062	-61.63	-25	-36.63	-71.15	3.92	13.44	H
	12582	-59.06	-25	-34.06	-68.98	4.44	14.36	H
	5036	-61.22	-25	-36.22	-71.43	3.03	13.24	V
	7542	-59.62	-25	-34.62	-69.07	3.56	13.01	V
	10062	-59.75	-25	-34.75	-69.27	3.92	13.44	V
	12582	-55.31	-25	-30.31	-65.23	4.44	14.36	V
Highest	5064	-61.83	-25	-36.83	-72.04	3.03	13.24	H
	7598	-51.85	-25	-26.85	-61.30	3.56	13.01	H
	10132	-63.38	-25	-38.38	-72.90	3.92	13.44	H
	12652	-55.62	-25	-30.62	-65.54	4.44	14.36	H
	5064	-63.33	-25	-38.33	-73.54	3.03	13.24	V
	7598	-56.66	-25	-31.66	-66.11	3.56	13.01	V
	10132	-63.17	-25	-38.17	-72.69	3.92	13.44	V
	12652	-52.47	-25	-27.47	-62.39	4.44	14.36	V

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



EN-DC_66A_n7A / LTE 10MHz + NR 40MHz / QPSK (ANT2+3)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5008	-63.36	-25	-38.36	-73.57	3.03	13.24	H
	7500	-61.72	-25	-36.72	-71.17	3.56	13.01	H
	10006	-62.26	-25	-37.26	-71.78	3.92	13.44	H
	5008	-62.93	-25	-37.93	-73.14	3.03	13.24	V
	7500	-60.12	-25	-35.12	-69.57	3.56	13.01	V
	10006	-60.81	-25	-35.81	-70.33	3.92	13.44	V
Middle	5036	-63.27	-25	-38.27	-73.48	3.03	13.24	H
	7542	-59.58	-25	-34.58	-69.03	3.56	13.01	H
	10062	-61.51	-25	-36.51	-71.03	3.92	13.44	H
	5036	-63.50	-25	-38.50	-73.71	3.03	13.24	V
	7542	-60.41	-25	-35.41	-69.86	3.56	13.01	V
	10062	-59.26	-25	-34.26	-68.78	3.92	13.44	V
Highest	5064	-63.67	-25	-38.67	-73.88	3.03	13.24	H
	7598	-60.58	-25	-35.58	-70.03	3.56	13.01	H
	10132	-63.20	-25	-38.20	-72.72	3.92	13.44	H
	5064	-63.81	-25	-38.81	-74.02	3.03	13.24	V
	7598	-59.25	-25	-34.25	-68.70	3.56	13.01	V
	10132	-63.34	-25	-38.34	-72.86	3.92	13.44	V

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



n38 SA / NR 40MHz / QPSK(ANT3)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5148	-62.28	-25	-37.28	-72.49	3.03	13.24	H
	7710	-54.78	-25	-29.78	-64.23	3.56	13.01	H
	10286	-60.91	-25	-35.91	-70.43	3.92	13.44	H
	5148	-62.17	-25	-37.17	-72.38	3.03	13.24	V
	7710	-58.82	-25	-33.82	-68.27	3.56	13.01	V
	10286	-58.43	-25	-33.43	-67.95	3.92	13.44	V
Middle	5148	-62.59	-25	-37.59	-72.80	3.03	13.24	H
	7724	-58.77	-25	-33.77	-68.22	3.56	13.01	H
	10300	-60.56	-25	-35.56	-70.08	3.92	13.44	H
	5148	-62.43	-25	-37.43	-72.64	3.03	13.24	V
	7724	-58.72	-25	-33.72	-68.17	3.56	13.01	V
	10300	-57.85	-25	-32.85	-67.37	3.92	13.44	V
Highest	5162	-62.59	-25	-37.59	-72.80	3.03	13.24	H
	7738	-59.76	-25	-34.76	-69.21	3.56	13.01	H
	10328	-60.88	-25	-35.88	-70.40	3.92	13.44	H
	12904	-57.39	-25	-32.39	-67.31	4.44	14.36	H
	5162	-62.34	-25	-37.34	-72.55	3.03	13.24	V
	7738	-59.73	-25	-34.73	-69.18	3.56	13.01	V
	10328	-57.89	-25	-32.89	-67.41	3.92	13.44	V
	12904	-59.14	-25	-34.14	-69.06	4.44	14.36	V

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



EN-DC_5A_n38A / LTE 10MHz + NR 40MHz / QPSK (ANT0+3) for Other PA								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5148	-61.57	-25	-36.57	-71.78	3.03	13.24	H
	7710	-62.13	-25	-37.13	-71.58	3.56	13.01	H
	10286	-61.88	-25	-36.88	-71.40	3.92	13.44	H
	12862	-56.41	-25	-31.41	-66.33	4.44	14.36	H
	5148	-63.37	-25	-38.37	-73.58	3.03	13.24	V
	7710	-61.26	-25	-36.26	-70.71	3.56	13.01	V
	10286	-60.82	-25	-35.82	-70.34	3.92	13.44	V
	12862	-58.25	-25	-33.25	-68.17	4.44	14.36	V
	5148	-61.57	-25	-36.57	-71.78	3.03	13.24	V
Middle	5148	-62.25	-25	-37.25	-72.46	3.03	13.24	H
	7724	-62.19	-25	-37.19	-71.64	3.56	13.01	H
	10300	-62.41	-25	-37.41	-71.93	3.92	13.44	H
	12876	-57.30	-25	-32.30	-67.22	4.44	14.36	H
	5148	-63.41	-25	-38.41	-73.62	3.03	13.24	V
	7724	-59.60	-25	-34.60	-69.05	3.56	13.01	V
	10300	-60.44	-25	-35.44	-69.96	3.92	13.44	V
	12876	-55.24	-25	-30.24	-65.16	4.44	14.36	V
	5148	-62.25	-25	-37.25	-72.46	3.03	13.24	V
Highest	5162	-61.91	-25	-36.91	-72.12	3.03	13.24	H
	7738	-62.40	-25	-37.40	-71.85	3.56	13.01	H
	10328	-62.31	-25	-37.31	-71.83	3.92	13.44	H
	12904	-54.09	-25	-29.09	-64.01	4.44	14.36	H
	5162	-62.97	-25	-37.97	-73.18	3.03	13.24	V
	7738	-60.23	-25	-35.23	-69.68	3.56	13.01	V
	10328	-60.40	-25	-35.40	-69.92	3.92	13.44	V
	12904	-57.50	-25	-32.50	-67.42	4.44	14.36	V

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



n41 SA / NR 100MHz / QPSK(ANT3)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5008	-61.86	-25	-36.86	-72.07	3.03	13.24	H
	7500	-59.52	-25	-34.52	-68.97	3.56	13.01	H
	10006	-61.13	-25	-36.13	-70.65	3.92	13.44	H
	5008	-62.26	-25	-37.26	-72.47	3.03	13.24	V
	7500	-62.46	-25	-37.46	-71.91	3.56	13.01	V
	10006	-60.03	-25	-35.03	-69.55	3.92	13.44	V
Middle	5092	-62.37	-25	-37.37	-72.58	3.03	13.24	H
	7626	-61.72	-25	-36.72	-71.17	3.56	13.01	H
	10174	-61.56	-25	-36.56	-71.08	3.92	13.44	H
	5092	-62.56	-25	-37.56	-72.77	3.03	13.24	V
	7626	-60.59	-25	-35.59	-70.04	3.56	13.01	V
	10174	-58.40	-25	-33.40	-67.92	3.92	13.44	V
Highest	5190	-62.97	-25	-37.97	-73.18	3.03	13.24	H
	7780	-58.71	-25	-33.71	-68.16	3.56	13.01	H
	10370	-61.07	-25	-36.07	-70.59	3.92	13.44	H
	12960	-57.02	-25	-32.02	-66.94	4.44	14.36	H
	5190	-62.58	-25	-37.58	-72.79	3.03	13.24	V
	7780	-57.64	-25	-32.64	-67.09	3.56	13.01	V
	10370	-58.03	-25	-33.03	-67.55	3.92	13.44	V
	12960	-58.99	-25	-33.99	-68.91	4.44	14.36	V

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



n71 SA / NR 20MHz / QPSK(ANT0)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1328	-68.33	-13	-55.33	-70.08	1.02	4.92	H
	1992	-63.36	-13	-50.36	-65.33	1.27	5.39	H
	2656	-61.39	-13	-48.39	-64.32	1.49	6.57	H
	1328	-67.72	-13	-54.72	-69.47	1.02	4.92	V
	1992	-62.48	-13	-49.48	-64.45	1.27	5.39	V
	2656	-61.01	-13	-48.01	-63.94	1.49	6.57	V
Middle	1344	-67.35	-13	-54.35	-69.10	1.02	4.92	H
	2016	-60.33	-13	-47.33	-62.30	1.27	5.39	H
	2688	-60.69	-13	-47.69	-63.62	1.49	6.57	H
	1344	-65.54	-13	-52.54	-67.29	1.02	4.92	V
	2016	-62.29	-13	-49.29	-64.26	1.27	5.39	V
	2688	-60.35	-13	-47.35	-63.28	1.49	6.57	V
Highest	1360	-65.25	-13	-52.25	-67.00	1.02	4.92	H
	2032	-61.36	-13	-48.36	-63.33	1.27	5.39	H
	2720	-60.85	-13	-47.85	-63.78	1.49	6.57	H
	1360	-63.51	-13	-50.51	-65.26	1.02	4.92	V
	2032	-63.18	-13	-50.18	-65.15	1.27	5.39	V
	2720	-60.35	-13	-47.35	-63.28	1.49	6.57	V

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



EN-DC_2A_n71A / LTE 10MHz + NR 20MHz / QPSK (ANT2+0)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1328	-63.35	-13	-50.35	-65.10	1.02	4.92	H
	1992	-55.95	-13	-42.95	-57.92	1.27	5.39	H
	2656	-60.27	-13	-47.27	-63.20	1.49	6.57	H
	1328	-63.29	-13	-50.29	-65.04	1.02	4.92	V
	1992	-59.38	-13	-46.38	-61.35	1.27	5.39	V
	2656	-59.40	-13	-46.40	-62.33	1.49	6.57	V
Middle	1344	-63.98	-13	-50.98	-65.73	1.02	4.92	H
	2016	-55.71	-13	-42.71	-57.68	1.27	5.39	H
	2688	-59.47	-13	-46.47	-62.40	1.49	6.57	H
	1344	-63.91	-13	-50.91	-65.66	1.02	4.92	V
	2016	-61.19	-13	-48.19	-63.16	1.27	5.39	V
	2688	-59.11	-13	-46.11	-62.04	1.49	6.57	V
Highest	1360	-63.36	-13	-50.36	-65.11	1.02	4.92	H
	2032	-57.42	-13	-44.42	-59.39	1.27	5.39	H
	2720	-59.63	-13	-46.63	-62.56	1.49	6.57	H
	1360	-61.74	-13	-48.74	-63.49	1.02	4.92	V
	2032	-62.41	-13	-49.41	-64.38	1.27	5.39	V
	2720	-59.03	-13	-46.03	-61.96	1.49	6.57	V

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



n71 SA / NR 20MHz / QPSK(ANT1)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1328	-68.06	-13	-55.06	-69.81	1.02	4.92	H
	1992	-62.27	-13	-49.27	-64.24	1.27	5.39	H
	2656	-61.19	-13	-48.19	-64.12	1.49	6.57	H
	1328	-67.24	-13	-54.24	-68.99	1.02	4.92	V
	1992	-61.62	-13	-48.62	-63.59	1.27	5.39	V
	2656	-60.35	-13	-47.35	-63.28	1.49	6.57	V
Middle	1344	-68.67	-13	-55.67	-70.42	1.02	4.92	H
	2016	-62.61	-13	-49.61	-64.58	1.27	5.39	H
	2688	-59.97	-13	-46.97	-62.90	1.49	6.57	H
	1344	-66.39	-13	-53.39	-68.14	1.02	4.92	V
	2016	-61.10	-13	-48.10	-63.07	1.27	5.39	V
	2688	-59.09	-13	-46.09	-62.02	1.49	6.57	V
Highest	1360	-67.80	-13	-54.80	-69.55	1.02	4.92	H
	2040	-63.17	-13	-50.17	-65.14	1.27	5.39	H
	2712	-60.42	-13	-47.42	-63.35	1.49	6.57	H
	1360	-67.07	-13	-54.07	-68.82	1.02	4.92	V
	2040	-62.63	-13	-49.63	-64.60	1.27	5.39	V
	2712	-59.76	-13	-46.76	-62.69	1.49	6.57	V

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



EN-DC_2A_n71A / LTE 10MHz + NR 20MHz / QPSK (ANT2+1)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1328	-66.68	-13	-53.68	-68.43	1.02	4.92	H
	1992	-60.08	-13	-47.08	-62.05	1.27	5.39	H
	2656	-61.84	-13	-48.84	-64.77	1.49	6.57	H
	1328	-64.88	-13	-51.88	-66.63	1.02	4.92	V
	1992	-57.98	-13	-44.98	-59.95	1.27	5.39	V
	2656	-61.19	-13	-48.19	-64.12	1.49	6.57	V
Middle	1344	-64.01	-13	-51.01	-65.76	1.02	4.92	H
	2016	-59.32	-13	-46.32	-61.29	1.27	5.39	H
	2688	-60.61	-13	-47.61	-63.54	1.49	6.57	H
	1344	-60.50	-13	-47.50	-62.25	1.02	4.92	V
	2016	-60.21	-13	-47.21	-62.18	1.27	5.39	V
	2688	-60.25	-13	-47.25	-63.18	1.49	6.57	V
Highest	1360	-65.20	-13	-52.20	-66.95	1.02	4.92	H
	2040	-61.73	-13	-48.73	-63.70	1.27	5.39	H
	2720	-60.85	-13	-47.85	-63.78	1.49	6.57	H
	1360	-64.62	-13	-51.62	-66.37	1.02	4.92	V
	2040	-58.91	-13	-45.91	-60.88	1.27	5.39	V
	2720	-60.32	-13	-47.32	-63.25	1.49	6.57	V

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