

**FR1 N71-SCS 15k-ANT 1****Transmitter Conducted Output Power And ERP, $(G_T - L_C)=1.83\text{dB}$**

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	23.23	22.91	0.1954
71	15	5	133100	665.5	DFT-s-OFDM 16 QAM	1@1	22.31	21.99	0.1581
71	15	5	136100	680.5	DFT-s-OFDM QPSK	1@1	23.1	22.78	0.1897
71	15	5	136100	680.5	DFT-s-OFDM 16 QAM	1@1	22.12	21.8	0.1514
71	15	5	139100	695.5	DFT-s-OFDM QPSK	1@1	22.91	22.59	0.1816
71	15	5	139100	695.5	DFT-s-OFDM 16 QAM	1@1	21.95	21.63	0.1455
71	15	10	133600	668	DFT-s-OFDM QPSK	1@1	23.23	22.91	0.1954
71	15	10	133600	668	DFT-s-OFDM 16 QAM	1@1	22.32	22	0.1585
71	15	10	136100	680.5	DFT-s-OFDM QPSK	1@1	23.04	22.72	0.1871
71	15	10	136100	680.5	DFT-s-OFDM 16 QAM	1@1	22.15	21.83	0.1524
71	15	10	138600	693	DFT-s-OFDM QPSK	1@1	22.99	22.67	0.1849
71	15	10	138600	693	DFT-s-OFDM 16 QAM	1@1	22.07	21.75	0.1496
71	15	15	134100	670.5	DFT-s-OFDM QPSK	1@1	23.16	22.84	0.1923
71	15	15	134100	670.5	DFT-s-OFDM 16 QAM	1@1	22.25	21.93	0.1560
71	15	15	136100	680.5	DFT-s-OFDM QPSK	1@1	23.21	22.89	0.1945
71	15	15	136100	680.5	DFT-s-OFDM 16 QAM	1@1	22.25	21.93	0.1560
71	15	15	138100	690.5	DFT-s-OFDM QPSK	1@1	23.14	22.82	0.1914
71	15	15	138100	690.5	DFT-s-OFDM 16 QAM	1@1	22.16	21.84	0.1528
71	15	20	134600	673	DFT-s-OFDM PI/2 BPSK	50@25	23.22	22.9	0.1950
71	15	20	134600	673	DFT-s-OFDM PI/2 BPSK	1@1	23.13	22.81	0.1910
71	15	20	134600	673	DFT-s-OFDM PI/2 BPSK	1@104	23.06	22.74	0.1879
71	15	20	134600	673	DFT-s-OFDM QPSK	50@25	23.12	22.8	0.1905
71	15	20	134600	673	DFT-s-OFDM QPSK	1@1	23.15	22.83	0.1919
71	15	20	134600	673	DFT-s-OFDM QPSK	1@104	23.03	22.71	0.1866
71	15	20	134600	673	DFT-s-OFDM 16 QAM	50@25	22.1	21.78	0.1507
71	15	20	134600	673	DFT-s-OFDM 16 QAM	1@1	22.2	21.88	0.1542
71	15	20	134600	673	DFT-s-OFDM 16 QAM	1@104	22.24	21.92	0.1556
71	15	20	134600	673	DFT-s-OFDM 64 QAM	50@25	20.7	20.38	0.1091
71	15	20	134600	673	DFT-s-OFDM 64 QAM	1@1	20.7	20.38	0.1091
71	15	20	134600	673	DFT-s-OFDM 64 QAM	1@104	20.74	20.42	0.1102
71	15	20	134600	673	DFT-s-OFDM 256 QAM	50@25	18.32	18	0.0631
71	15	20	134600	673	DFT-s-OFDM 256 QAM	1@1	18.36	18.04	0.0637
71	15	20	134600	673	DFT-s-OFDM 256 QAM	1@104	18.48	18.16	0.0655
71	15	20	134600	673	CP-OFDM QPSK	53@26	21.71	21.39	0.1377
71	15	20	134600	673	CP-OFDM QPSK	1@1	21.75	21.43	0.1390
71	15	20	134600	673	CP-OFDM QPSK	1@104	21.35	21.03	0.1268
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	50@25	23.23	22.91	0.1954
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	1@1	23.2	22.88	0.1941



71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	1@104	22.81	22.49	0.1774
71	15	20	136100	680.5	DFT-s-OFDM QPSK	50@25	23.27	22.95	0.1972
71	15	20	136100	680.5	DFT-s-OFDM QPSK	1@1	23.02	22.7	0.1862
71	15	20	136100	680.5	DFT-s-OFDM QPSK	1@104	22.88	22.56	0.1803
71	15	20	136100	680.5	DFT-s-OFDM 16 QAM	50@25	22.12	21.8	0.1514
71	15	20	136100	680.5	DFT-s-OFDM 16 QAM	1@1	22.25	21.93	0.1560
71	15	20	136100	680.5	DFT-s-OFDM 16 QAM	1@104	22.02	21.7	0.1479
71	15	20	136100	680.5	DFT-s-OFDM 64 QAM	50@25	20.72	20.4	0.1096
71	15	20	136100	680.5	DFT-s-OFDM 64 QAM	1@1	20.74	20.42	0.1102
71	15	20	136100	680.5	DFT-s-OFDM 64 QAM	1@104	20.57	20.25	0.1059
71	15	20	136100	680.5	DFT-s-OFDM 256 QAM	50@25	18.66	18.34	0.0682
71	15	20	136100	680.5	DFT-s-OFDM 256 QAM	1@1	18.41	18.09	0.0644
71	15	20	136100	680.5	DFT-s-OFDM 256 QAM	1@104	18.29	17.97	0.0627
71	15	20	136100	680.5	CP-OFDM QPSK	53@26	21.78	21.46	0.1400
71	15	20	136100	680.5	CP-OFDM QPSK	1@1	21.71	21.39	0.1377
71	15	20	136100	680.5	CP-OFDM QPSK	1@104	21.47	21.15	0.1303
71	15	20	137600	688	DFT-s-OFDM PI/2 BPSK	50@25	23.1	22.78	0.1897
71	15	20	137600	688	DFT-s-OFDM PI/2 BPSK	1@1	23.15	22.83	0.1919
71	15	20	137600	688	DFT-s-OFDM PI/2 BPSK	1@104	22.75	22.43	0.1750
71	15	20	137600	688	DFT-s-OFDM QPSK	50@25	23.09	22.77	0.1892
71	15	20	137600	688	DFT-s-OFDM QPSK	1@1	23.13	22.81	0.1910
71	15	20	137600	688	DFT-s-OFDM QPSK	1@104	22.77	22.45	0.1758
71	15	20	137600	688	DFT-s-OFDM 16 QAM	50@25	22.06	21.74	0.1493
71	15	20	137600	688	DFT-s-OFDM 16 QAM	1@1	22.27	21.95	0.1567
71	15	20	137600	688	DFT-s-OFDM 16 QAM	1@104	21.92	21.6	0.1445
71	15	20	137600	688	DFT-s-OFDM 64 QAM	50@25	20.64	20.32	0.1076
71	15	20	137600	688	DFT-s-OFDM 64 QAM	1@1	20.87	20.55	0.1135
71	15	20	137600	688	DFT-s-OFDM 64 QAM	1@104	20.47	20.15	0.1035
71	15	20	137600	688	DFT-s-OFDM 256 QAM	50@25	18.54	18.22	0.0664
71	15	20	137600	688	DFT-s-OFDM 256 QAM	1@1	18.46	18.14	0.0652
71	15	20	137600	688	DFT-s-OFDM 256 QAM	1@104	18.21	17.89	0.0615
71	15	20	137600	688	CP-OFDM QPSK	53@26	21.57	21.25	0.1334
71	15	20	137600	688	CP-OFDM QPSK	1@1	21.79	21.47	0.1403
71	15	20	137600	688	CP-OFDM QPSK	1@104	21.42	21.1	0.1288



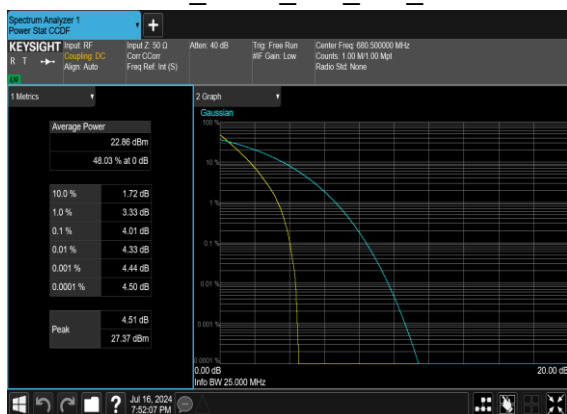
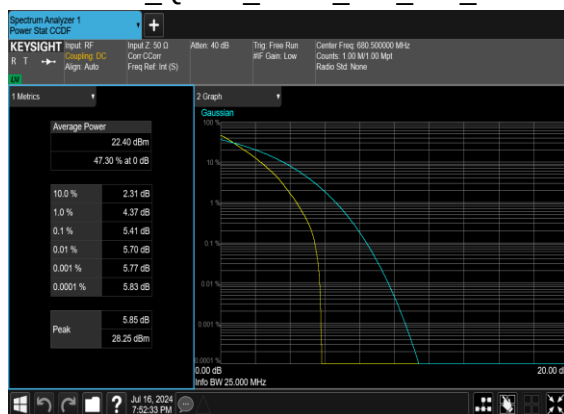
Frequency Stability

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	0.0026	PASS	NV
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0045	PASS	LV
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0053	PASS	HV
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0051	PASS	-30℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0064	PASS	-20℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0023	PASS	-10℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0051	PASS	0℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0051	PASS	10℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0026	PASS	20℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0040	PASS	30℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0059	PASS	40℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0052	PASS	50℃



Peak to Average Ratio

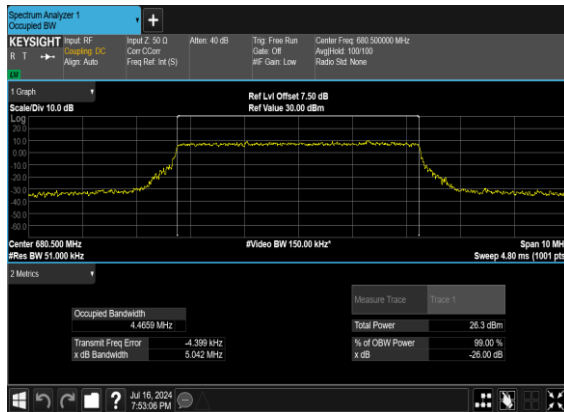
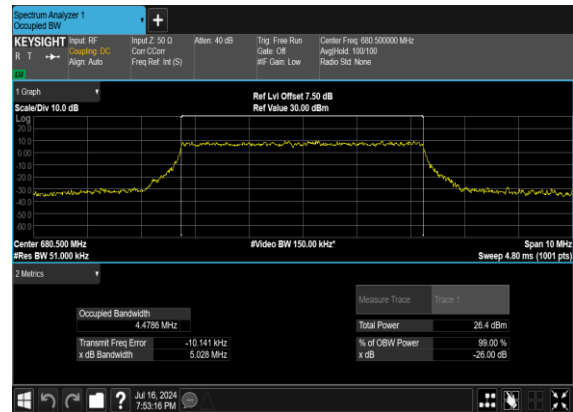
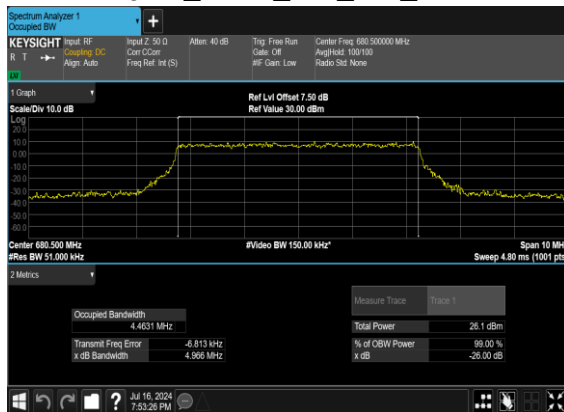
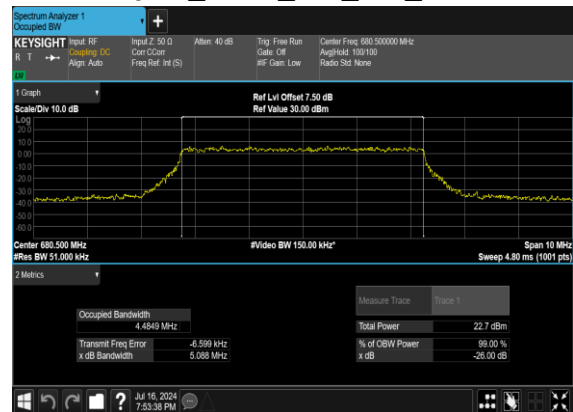
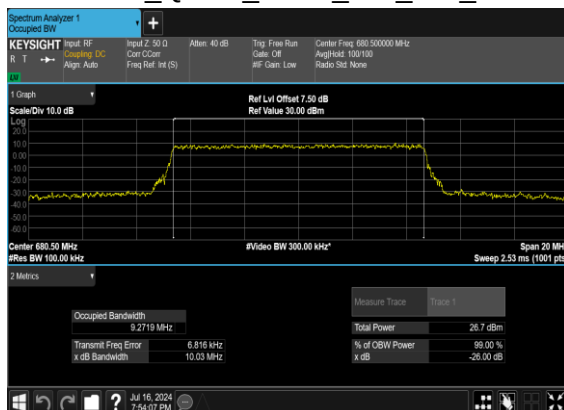
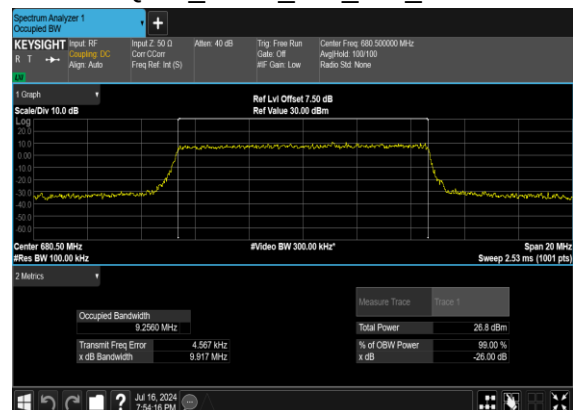
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	100@0	4.01	13	PASS
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	5.41	13	PASS

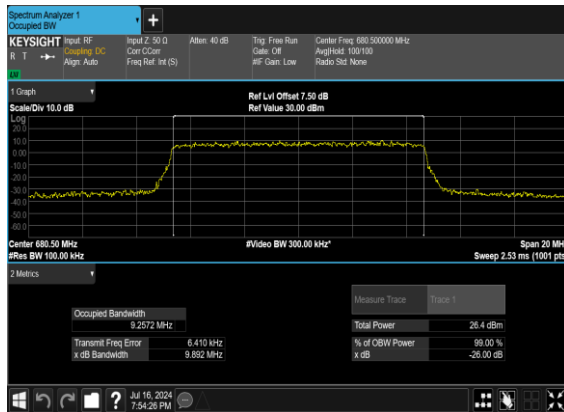
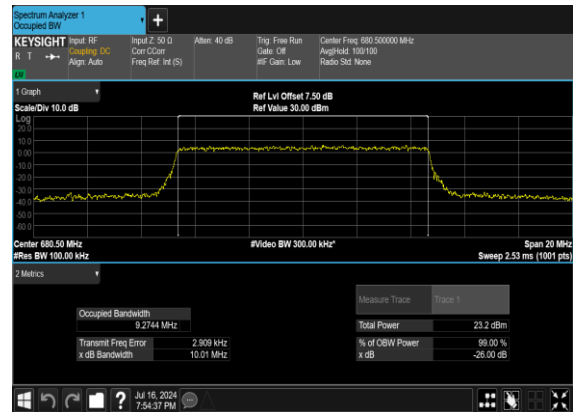
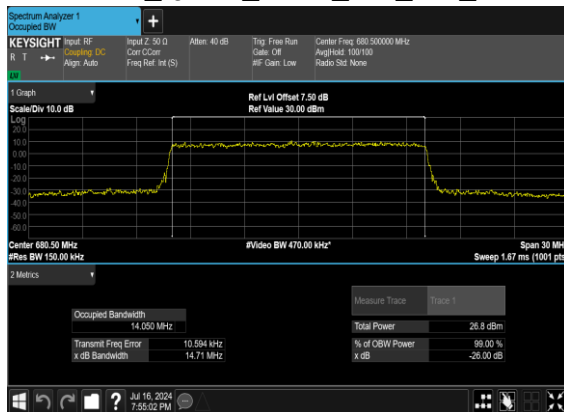
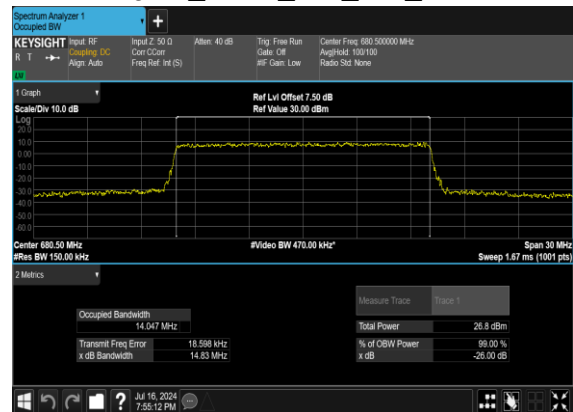
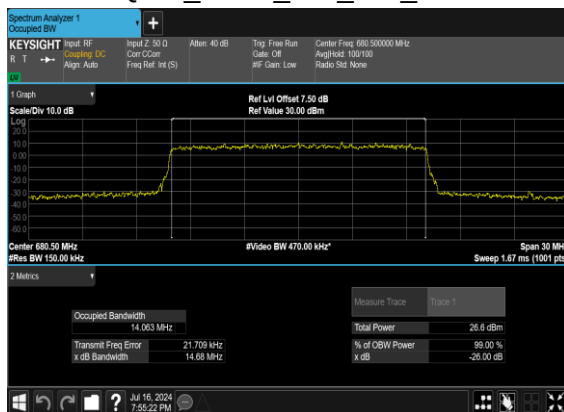
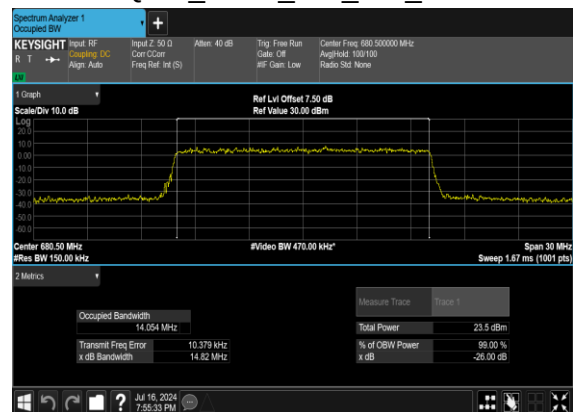
N71(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CHN71(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH

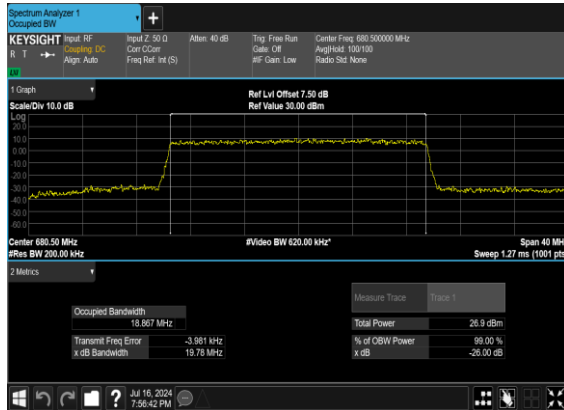
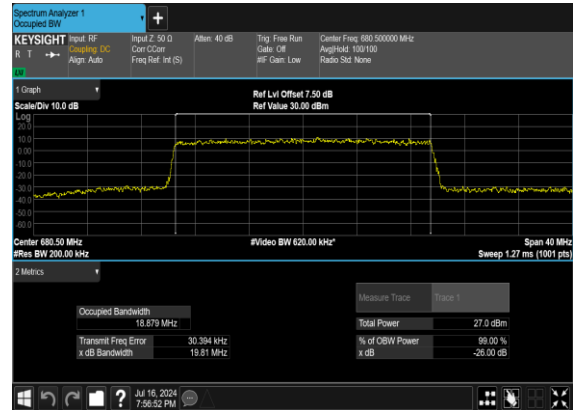
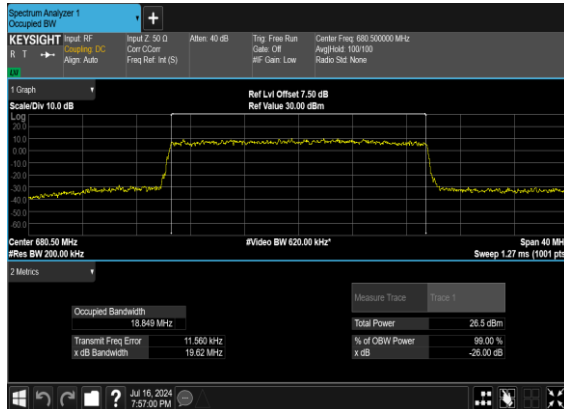
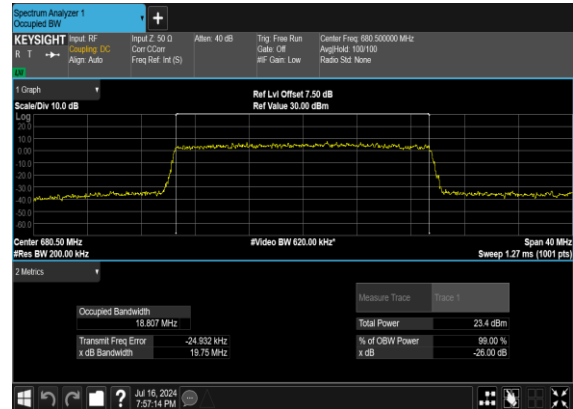


Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
71	15	5	136100	680.5	CP-OFDM QPSK	25@0	4.4659	5.042
71	15	5	136100	680.5	CP-OFDM 16 QAM	25@0	4.4786	5.028
71	15	5	136100	680.5	CP-OFDM 64 QAM	25@0	4.4631	4.966
71	15	5	136100	680.5	CP-OFDM 256 QAM	25@0	4.4849	5.088
71	15	10	136100	680.5	CP-OFDM QPSK	52@0	9.2719	10.03
71	15	10	136100	680.5	CP-OFDM 16 QAM	52@0	9.256	9.917
71	15	10	136100	680.5	CP-OFDM 64 QAM	52@0	9.2572	9.892
71	15	10	136100	680.5	CP-OFDM 256 QAM	52@0	9.2744	10.01
71	15	15	136100	680.5	CP-OFDM QPSK	79@0	14.05	14.71
71	15	15	136100	680.5	CP-OFDM 16 QAM	79@0	14.047	14.83
71	15	15	136100	680.5	CP-OFDM 64 QAM	79@0	14.063	14.68
71	15	15	136100	680.5	CP-OFDM 256 QAM	79@0	14.054	14.82
71	15	20	136100	680.5	CP-OFDM QPSK	106@0	18.867	19.78
71	15	20	136100	680.5	CP-OFDM 16 QAM	106@0	18.879	19.81
71	15	20	136100	680.5	CP-OFDM 64 QAM	106@0	18.849	19.62
71	15	20	136100	680.5	CP-OFDM 256 QAM	106@0	18.807	19.75

N71(5M)_CP-
OFDM_QPSK_Outer_Full_Mid_CHN71(5M)_CP-OFDM_16
QAM_Outer_Full_Mid_CHN71(5M)_CP-OFDM_64
QAM_Outer_Full_Mid_CHN71(5M)_CP-OFDM_256
QAM_Outer_Full_Mid_CHN71(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CHN71(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH

N71(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CHN71(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CHN71(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CHN71(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CHN71(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CHN71(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

N71(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CHN71(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CHN71(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CHN71(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

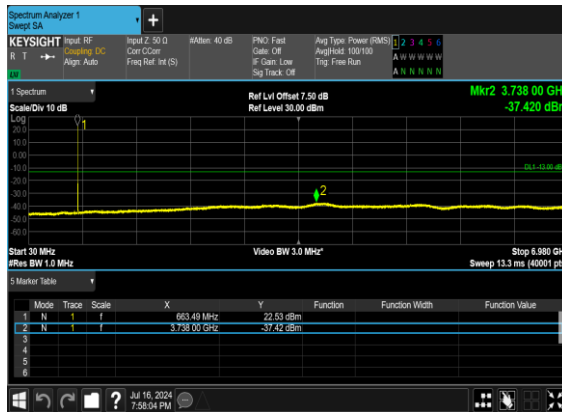
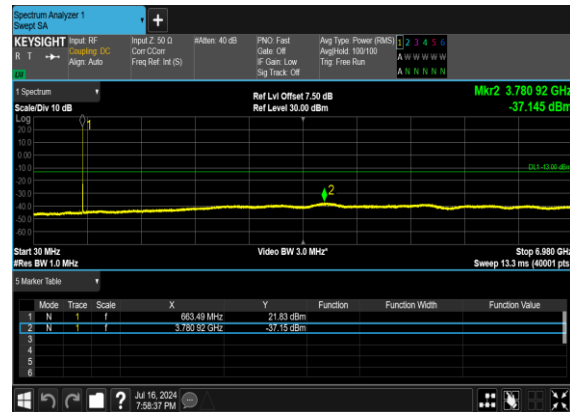
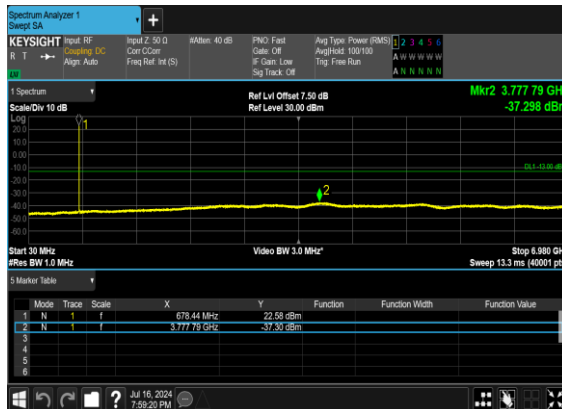
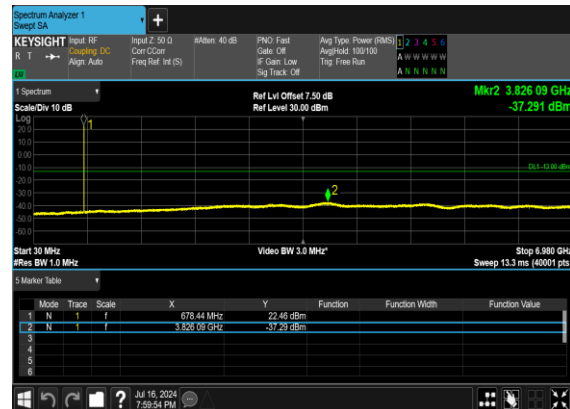


Conducted Spurious Emissions

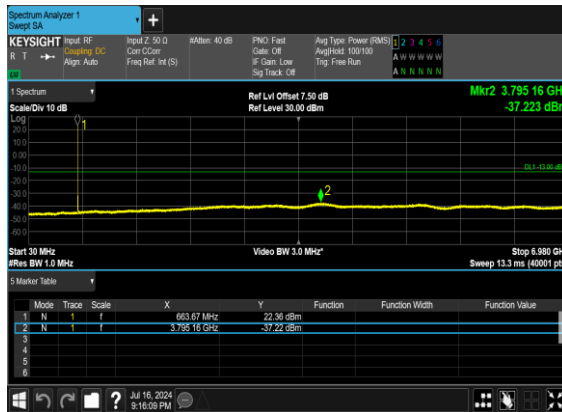
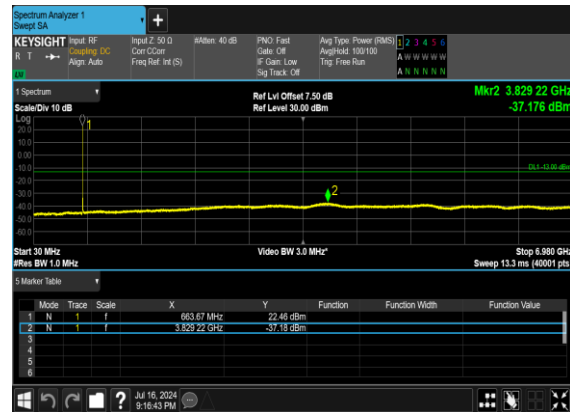
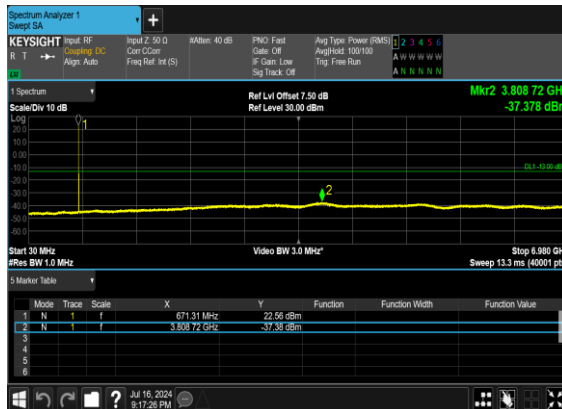
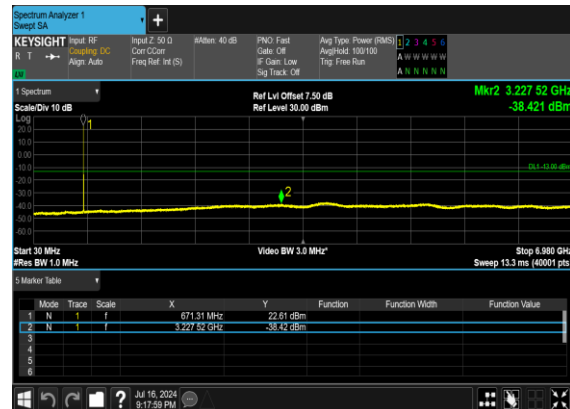
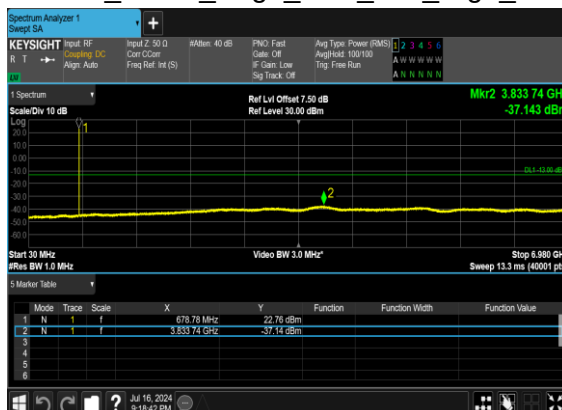
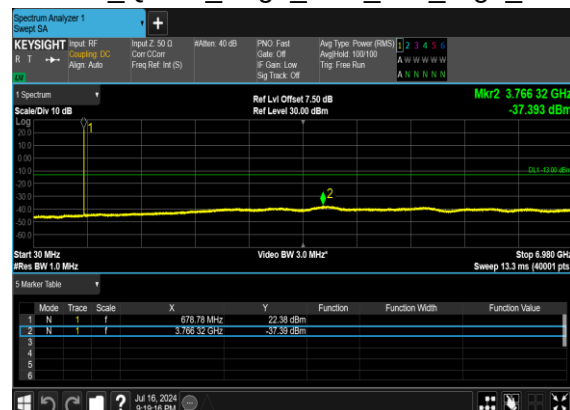
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
71	15	5	133100	665.5	DFT-s-OFDM BPSK	1@0	see graph	---
71	15	5	133100	665.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
71	15	5	133100	665.5	DFT-s-OFDM QPSK	1@0	see graph	---
71	15	5	133100	665.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
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	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 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

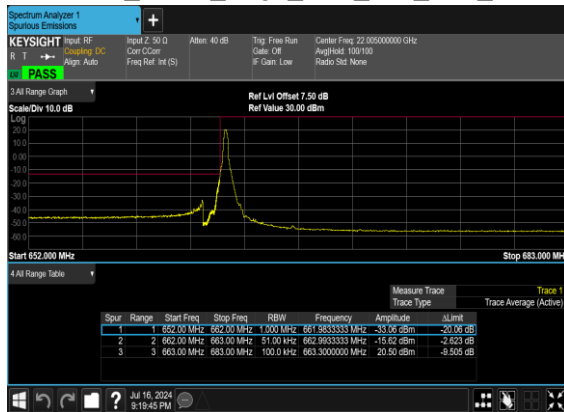
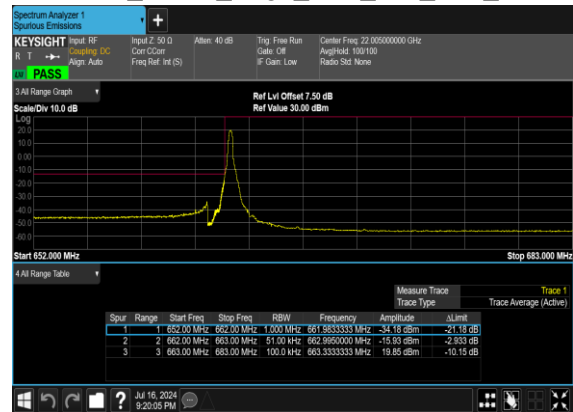
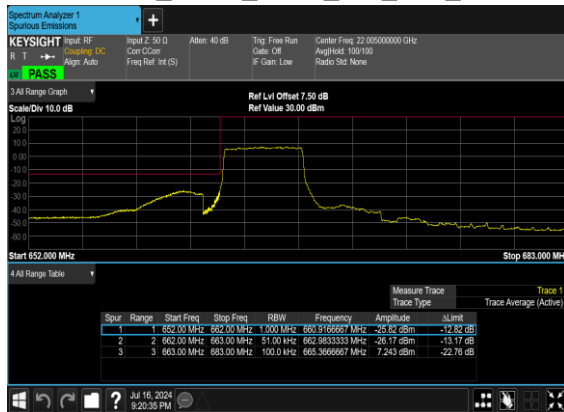
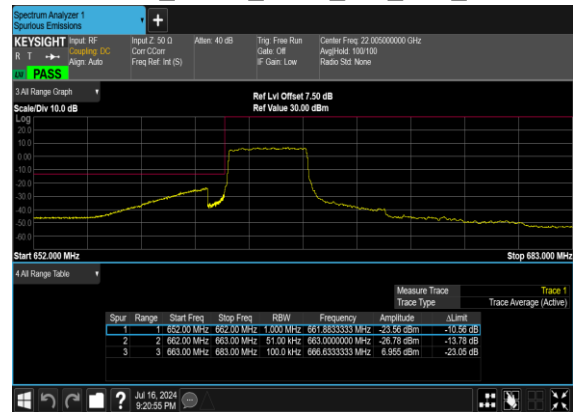
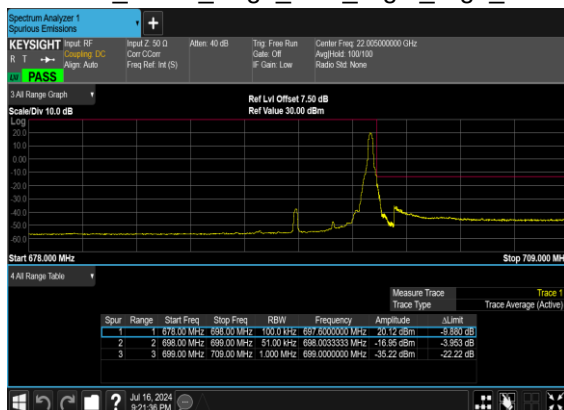
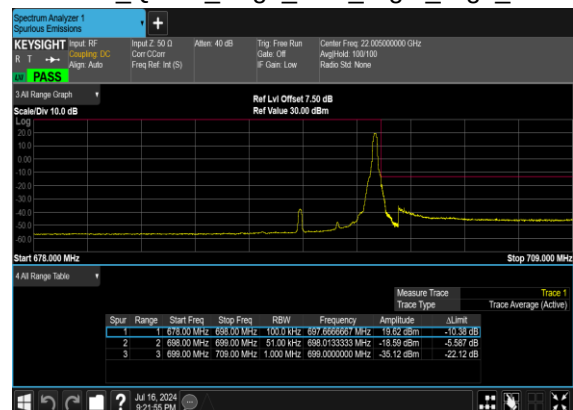
N71(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN71(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN71(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CHN71(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CHN71(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CHN71(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

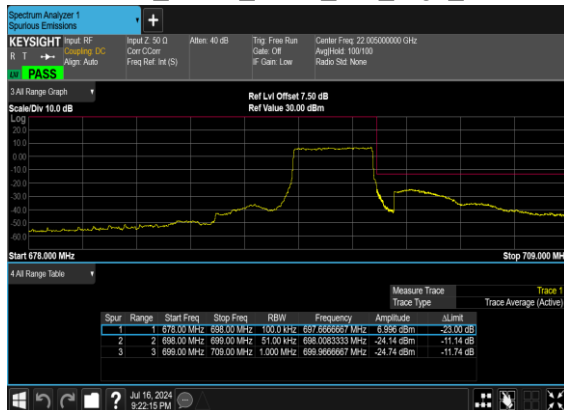
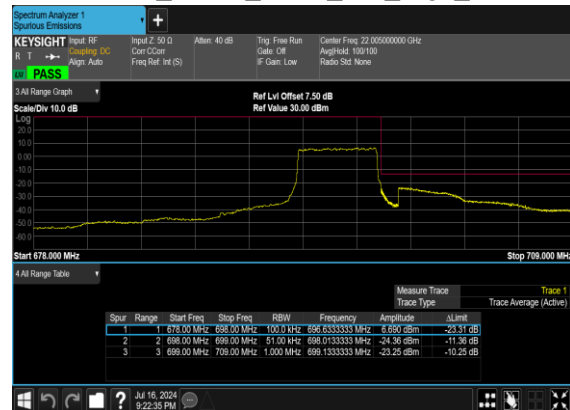
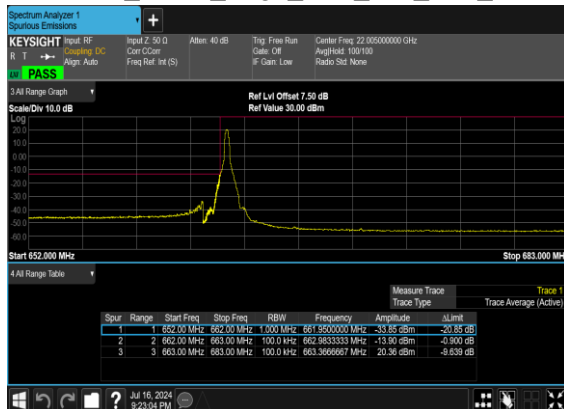
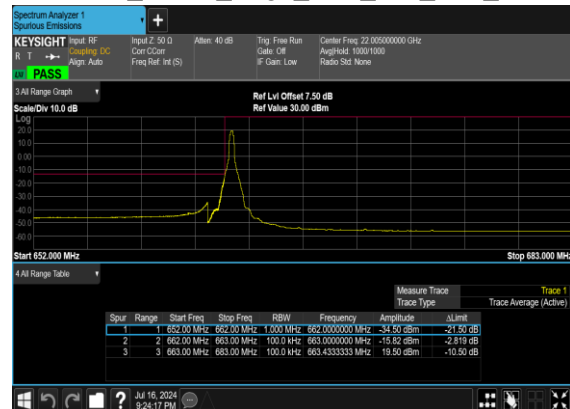
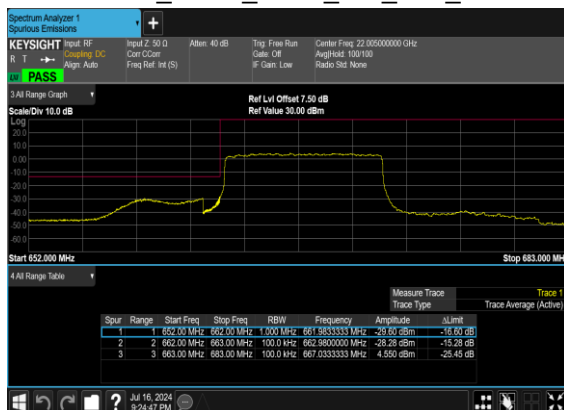
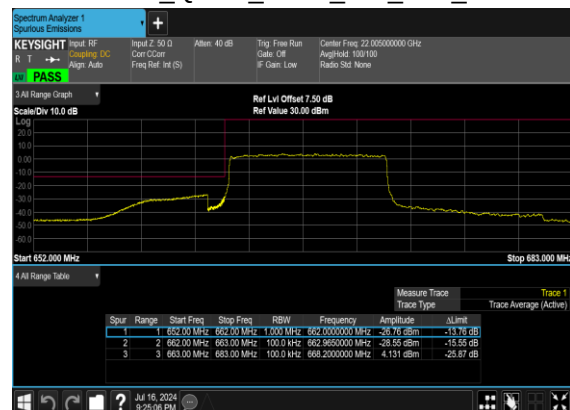
N71(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN71(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN71(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CHN71(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CHN71(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CHN71(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

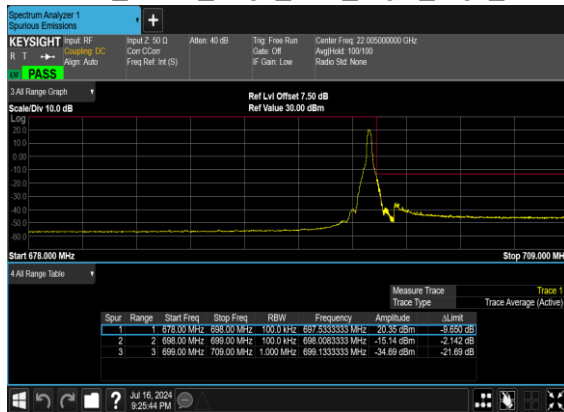
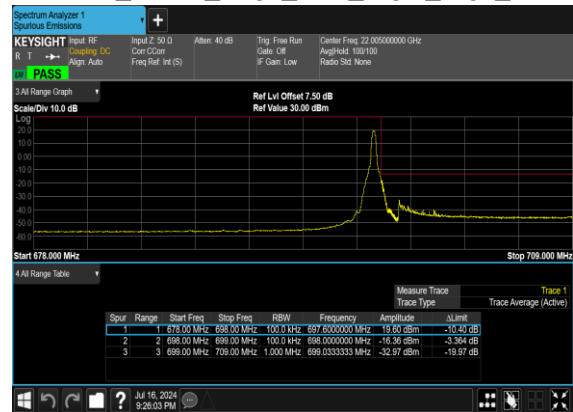
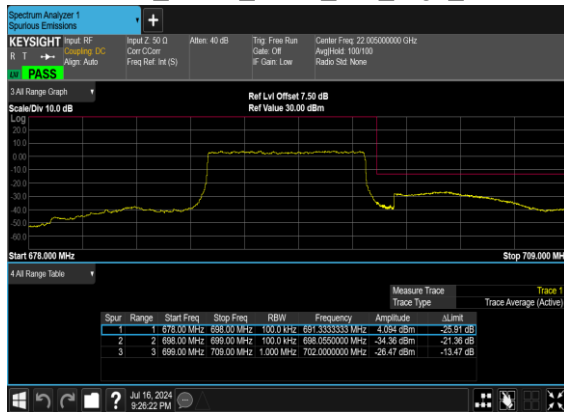
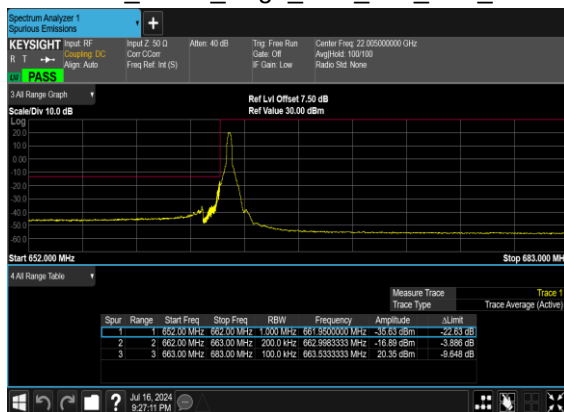
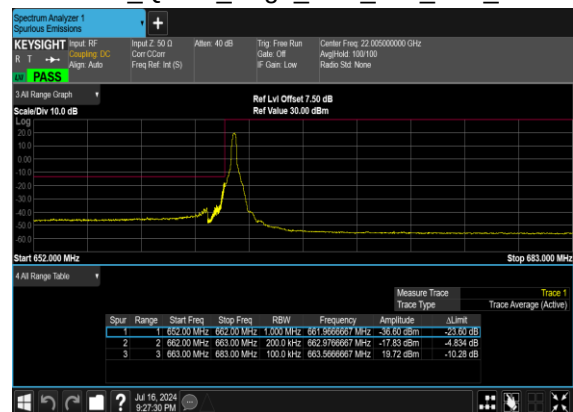
N71(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN71(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN71(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CHN71(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CHN71(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CHN71(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

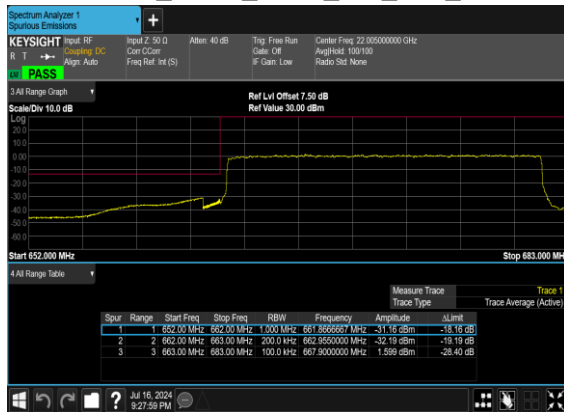
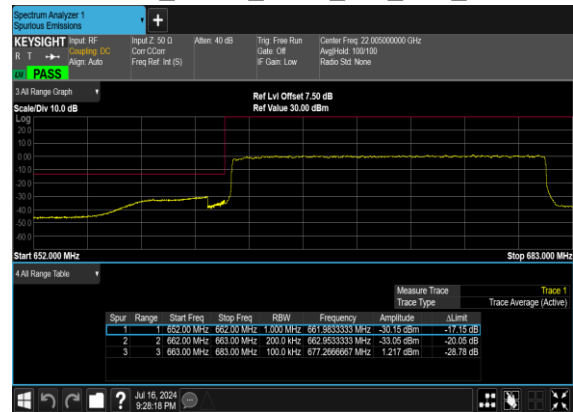
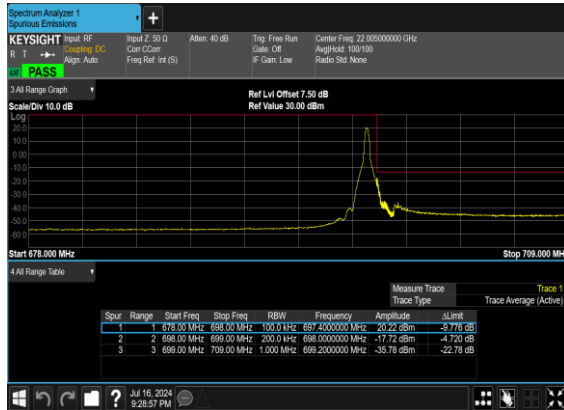
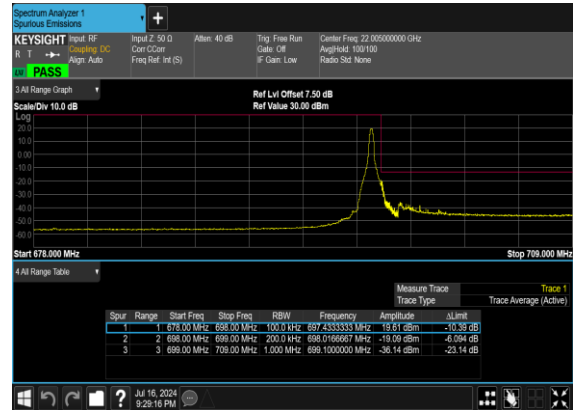
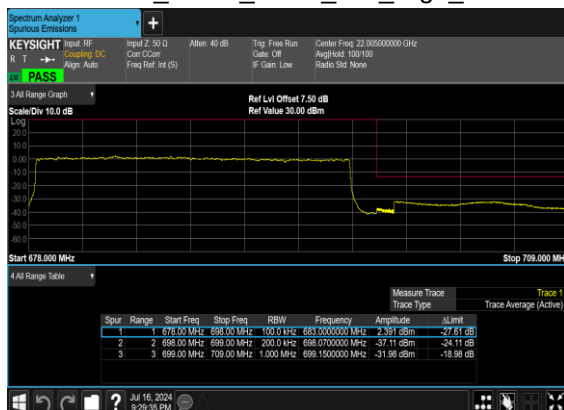
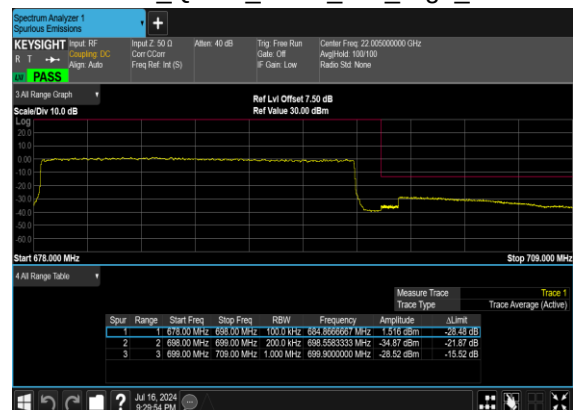
**Conducted Band Edge**

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_CHN71(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN71(5M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CHN71(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CHN71(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CHN71(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH

N71(5M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CHN71(5M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CHN71(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN71(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN71(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CHN71(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

N71(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CHN71(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CHN71(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CHN71(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CHN71(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN71(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

N71(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CHN71(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CHN71(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CHN71(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CHN71(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CHN71(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	LiangPing Zhou	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.

n5 SA / NR 20MHz / QPSK(ANT1)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1654.23	-65.67	-13	-52.67	-75.59	-68.92	4.00	9.40	H
	2481.34	-62.31	-13	-49.31	-76.79	-65.88	4.88	10.60	H
	3308.46	-61.57	-13	-48.57	-77.90	-66.50	5.52	12.60	H
	1654.23	-66.02	-13	-53.02	-75.68	-69.27	4.00	9.40	V
	2481.34	-62.25	-13	-49.25	-76.70	-65.82	4.88	10.60	V
	3308.46	-62.25	-13	-49.25	-78.36	-67.18	5.52	12.60	V

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

EN-DC_30A_n5A / LTE 30MHz + NR 20MHz / QPSK (ANT1+2)									
Channel	Frequency (MHz)	ERP/EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n5 Middle	1654.23	-64.76	-13	-51.76	42.50	-68.01	4.00	9.40	H
	2481.34	-61.51	-13	-48.51	46.11	-65.08	4.88	10.60	H
	3308.46	-65.77	-13	-52.77	47.53	-70.70	5.52	12.60	H
	4135.57	-64.99	-13	-51.99	50.37	-69.46	6.00	12.62	H
	4962.68	-60.14	-13	-47.14	52.67	-63.55	7.14	12.70	H
	5789.8	-53.36	-13	-40.36	53.84	-56.59	7.62	13.00	H
	6616.91	-48.41	-13	-35.41	55.96	-50.96	8.00	12.70	H
	1654.23	-65.35	-13	-52.35	42.24	-68.60	4.00	9.40	V
	2481.34	-61.52	-13	-48.52	46.08	-65.09	4.88	10.60	V
	3308.46	-65.91	-13	-52.91	47.31	-70.84	5.52	12.60	V
	4135.57	-64.91	-13	-51.91	50.38	-69.38	6.00	12.62	V
	4962.68	-59.80	-13	-46.80	52.78	-63.21	7.14	12.70	V
	5789.8	-52.57	-13	-39.57	54.13	-55.80	7.62	13.00	V
	6616.91	-50.39	-13	-37.39	56.63	-52.94	8.00	12.70	V
LTE Band30 Middle	4611.00	-63.52	-40	-23.52	-69.77	-69.77	6.45	12.70	H
	6916.50	-60.05	-40	-20.05	-63.45	-63.45	8.40	11.80	H
	9222.00	-54.70	-40	-14.70	-57.05	-57.05	9.65	12.00	H
	4611.00	-62.95	-40	-22.95	-69.2	-69.20	6.45	12.70	V
	6916.50	-59.57	-40	-19.57	-62.97	-62.97	8.40	11.80	V
	9222.00	-55.45	-40	-15.45	-57.8	-57.80	9.65	12.00	V

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



n12 SA / NR 15MHz / QPSK(ANT1)									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1401.7	-64.24	-13	-51.24	-74.96	-67.49	4.00	9.40	H
	2101.61	-63.48	-13	-50.48	-76.51	-67.05	4.88	10.60	H
	2802.14	-61.18	-13	-48.18	-77.16	-66.11	5.52	12.60	H
	1401.7	-64.45	-13	-51.45	-74.73	-67.70	4.00	9.40	V
	2101.61	-64.01	-13	-51.01	-76.99	-67.58	4.88	10.60	V
	2802.14	-61.05	-13	-48.05	-77.22	-65.98	5.52	12.60	V

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

n25 SA / NR 40MHz / QPSK(ANT1)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3726.43	-60.89	-13	-47.89	-79.42	-67.64	5.85	12.60	H
	5589.64	-58.81	-13	-45.81	-81.17	-64.61	7.30	13.10	H
	7452.86	-53.92	-13	-40.92	-80.88	-57.07	8.35	11.50	H
	9316.07	-45.09	-13	-32.09	-76.69	-47.24	9.85	12.00	H
	3726.43	-60.72	-13	-47.72	-79.16	-67.47	5.85	12.60	V
	5589.64	-58.50	-13	-45.50	-81.05	-64.30	7.30	13.10	V
	7452.86	-53.67	-13	-40.67	-80.63	-56.82	8.35	11.50	V
	9316.07	-47.16	-13	-34.16	-77.89	-49.31	9.85	12.00	V

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

EN-DC 66A n25A / LTE 10MHz + NR 40MHz / QPSK (ANT1+2)									
Channel	Frequency (MHz)	ERP/EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n25 Middle	3726.43	-59.83	-13	-46.83	-78.36	-66.58	5.85	12.60	H
	5589.64	-58.07	-13	-45.07	-80.43	-63.87	7.30	13.10	H
	7452.86	-53.28	-13	-40.28	-80.24	-56.43	8.35	11.50	H
	3726.43	-59.71	-13	-46.71	-78.15	-66.46	5.85	12.60	V
	5589.64	-57.88	-13	-44.88	-80.43	-63.68	7.30	13.10	V
	7452.86	-53.57	-13	-40.57	-80.53	-56.72	8.35	11.50	V
LTE Band66 Middle	3481	-60.61	-13	-47.61	-77.65	-67.36	5.85	12.60	H
	5221.5	-58.84	-13	-45.84	-80.58	-64.64	7.30	13.10	H
	6962	-54.72	-13	-41.72	-80.76	-57.87	8.35	11.50	H
	3481	-60.73	-13	-47.73	-77.76	-67.48	5.85	12.60	V
	5221.5	-59.13	-13	-46.13	-81.12	-64.93	7.30	13.10	V
	6962	-54.25	-13	-41.25	-80.75	-57.40	8.35	11.50	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1342.23	-64.04	-13	-51.04	-74.10	-67.29	4.00	9.40	H
	2013.34	-65.42	-13	-52.42	-76.78	-68.99	4.88	10.60	H
	2684.46	-62.36	-13	-49.36	-77.61	-67.29	5.52	12.60	H
	1342.23	-63.92	-13	-50.92	-73.61	-67.17	4.00	9.40	V
	2013.34	-64.96	-13	-51.96	-76.21	-68.53	4.88	10.60	V
	2684.46	-62.32	-13	-49.32	-77.59	-67.25	5.52	12.60	V

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

EN-DC_7A_n71A / LTE 10MHz + NR 20MHz / QPSK (ANT1+2)									
Channel	Frequency (MHz)	ERP/EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n71 Middle	1342.23	-64.30	-13	-51.30	-74.36	-67.55	4.00	9.40	H
	2013.34	-64.94	-13	-51.94	-76.30	-68.51	4.88	10.60	H
	2684.46	-62.13	-13	-49.13	-77.38	-67.06	5.52	12.60	H
	1342.23	-64.33	-13	-51.33	-74.02	-67.58	4.00	9.40	V
	2013.34	-65.28	-13	-52.28	-76.53	-68.85	4.88	10.60	V
	2684.46	-62.27	-13	-49.27	-77.54	-67.20	5.52	12.60	V
LTE Band7 Middle	5061.00	-59.08	-25	-34.08	-81.06	-64.64	7.14	12.70	H
	7591.50	-54.43	-25	-29.43	-81.04	-57.73	8.30	11.60	H
	10122.00	-50.98	-25	-25.98	-82.36	-52.50	10.48	12.00	H
	5061.00	-58.76	-25	-33.76	-80.88	-64.32	7.14	12.70	V
	7591.50	-54.58	-25	-29.58	-81.14	-57.88	8.30	11.60	V
	10122.00	-52.33	-25	-27.33	-82.34	-53.85	10.48	12.00	V

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