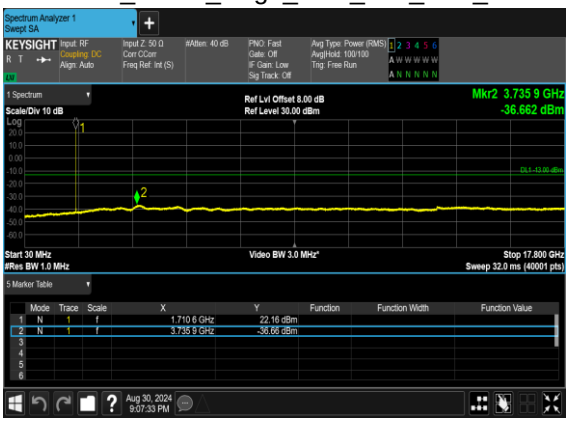
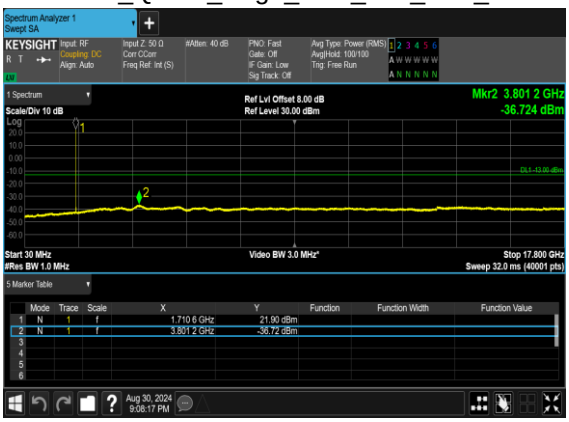
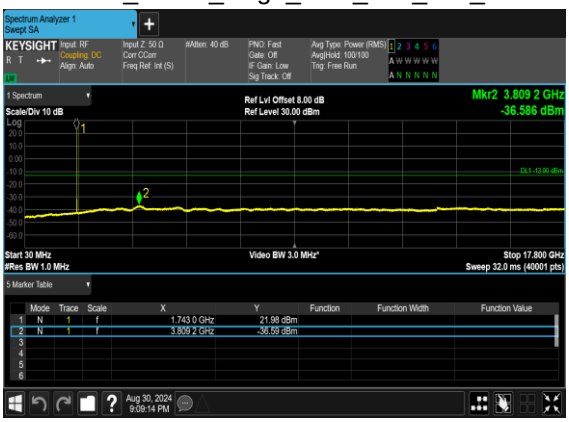
N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



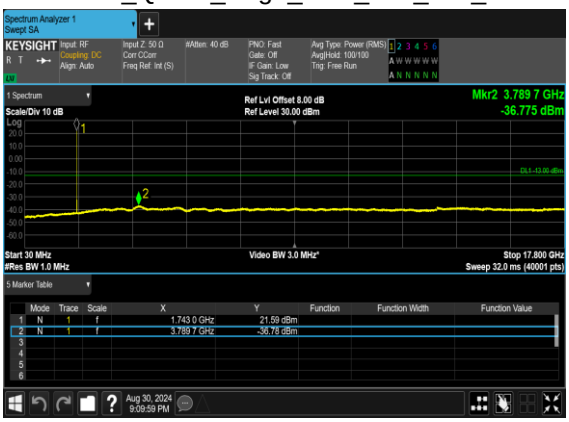
N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



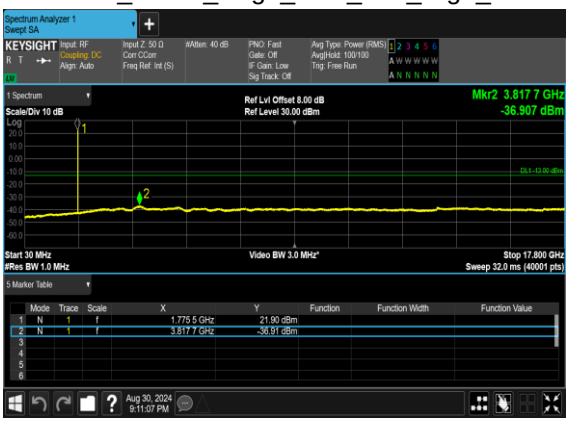
N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



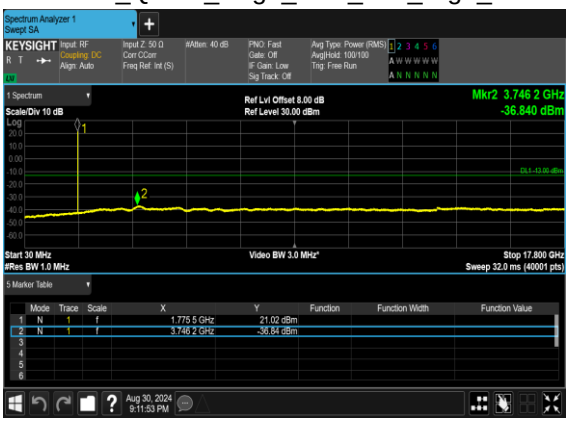
N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



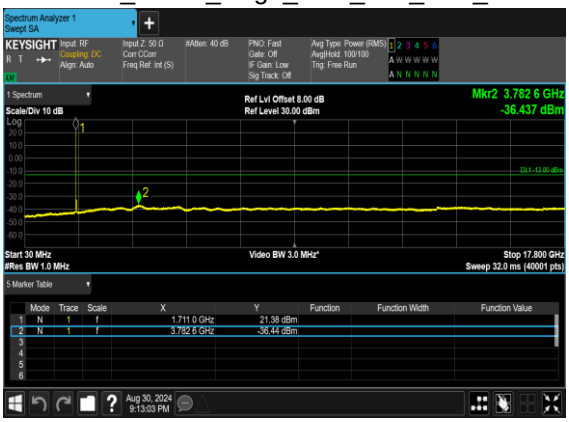
N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



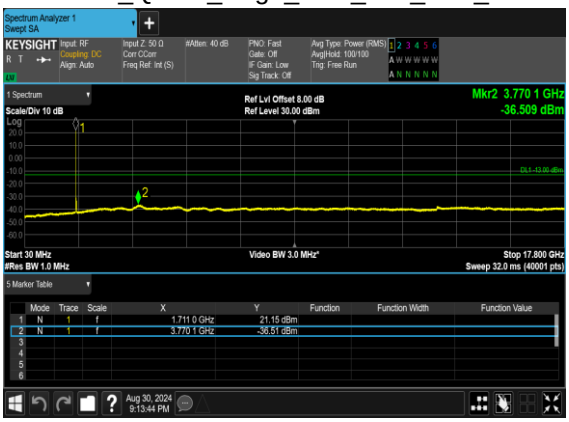
N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



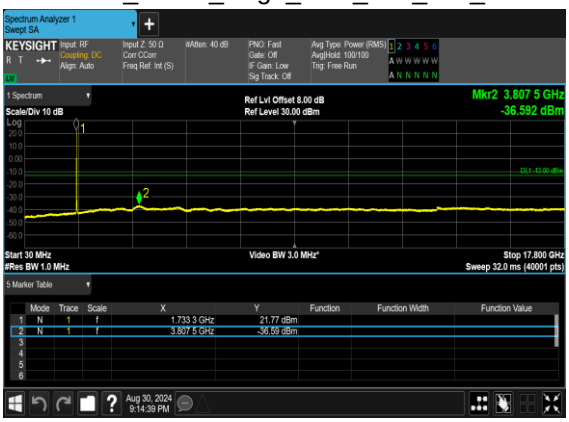
N66(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



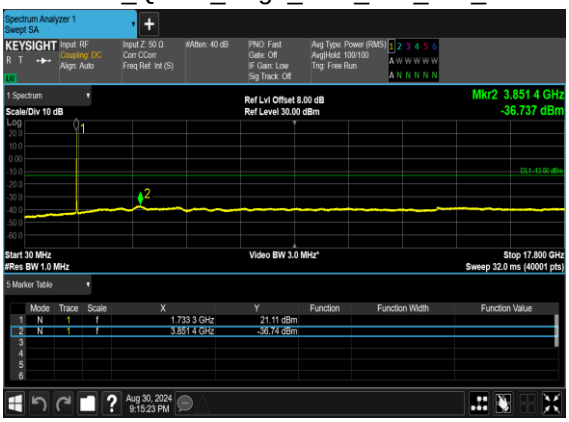
N66(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



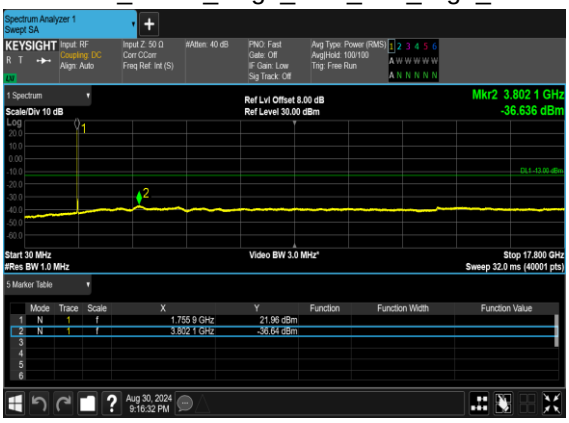
N66(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



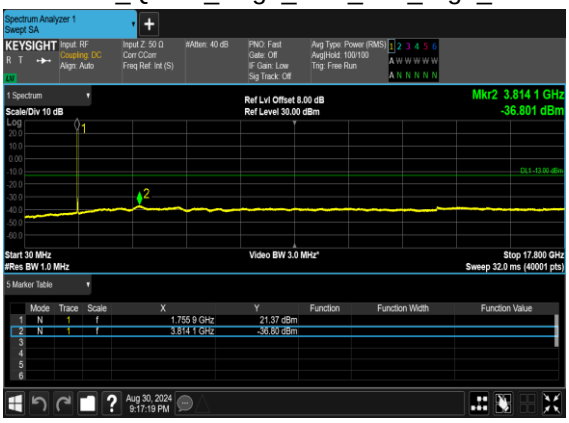
N66(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



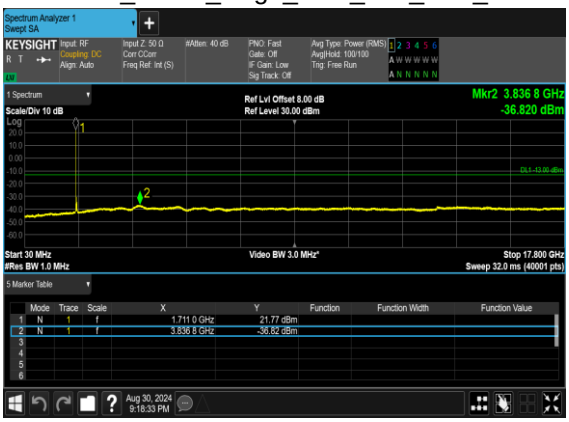
N66(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



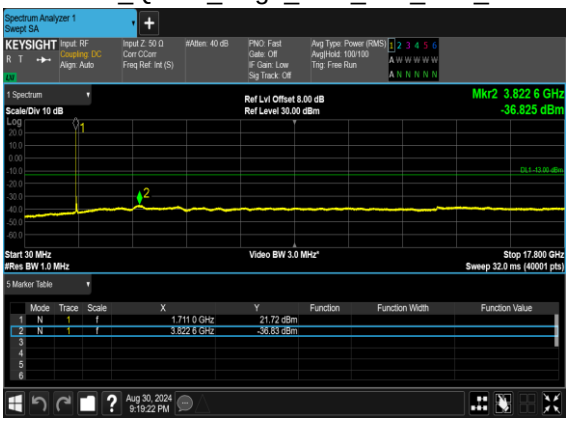
N66(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



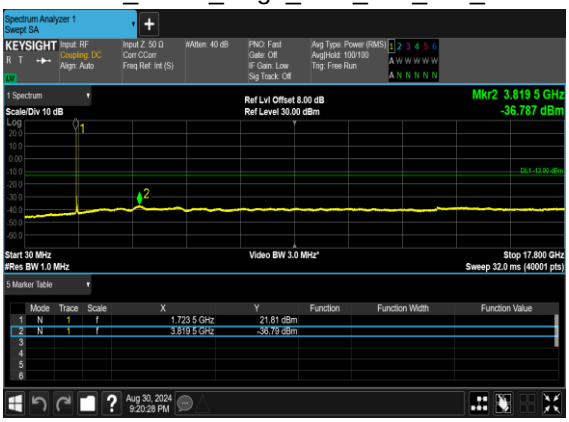
N66(45M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



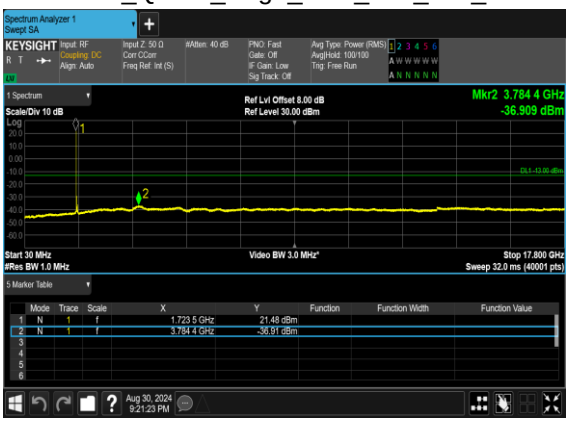
N66(45M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



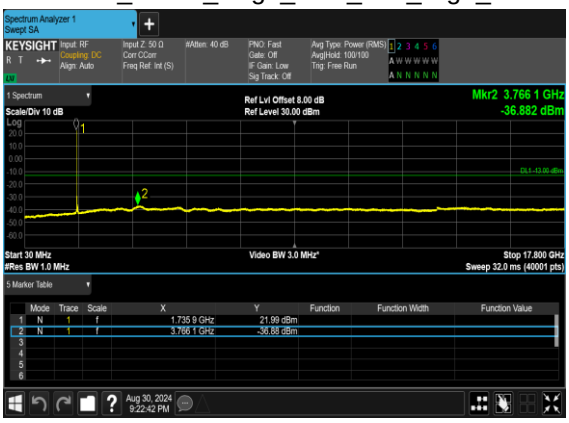
N66(45M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



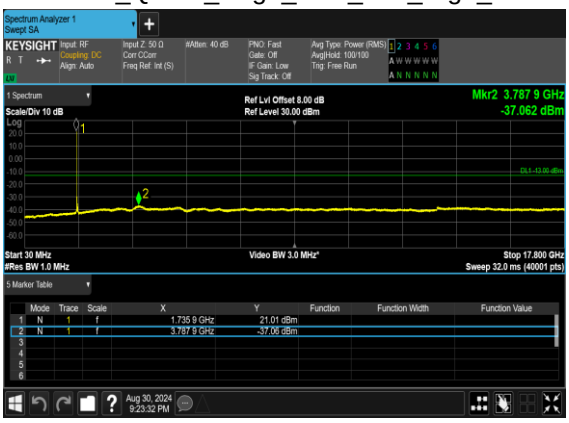
N66(45M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N66(45M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



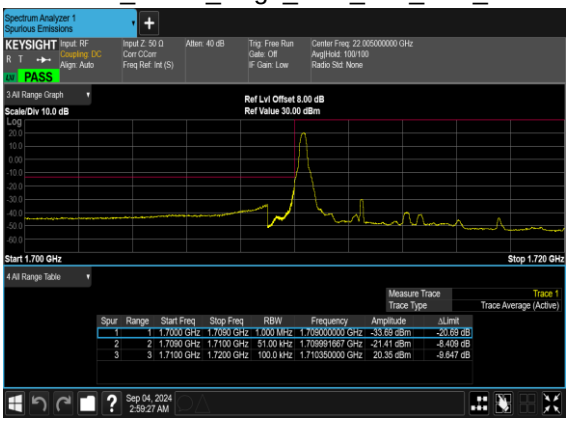
N66(45M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



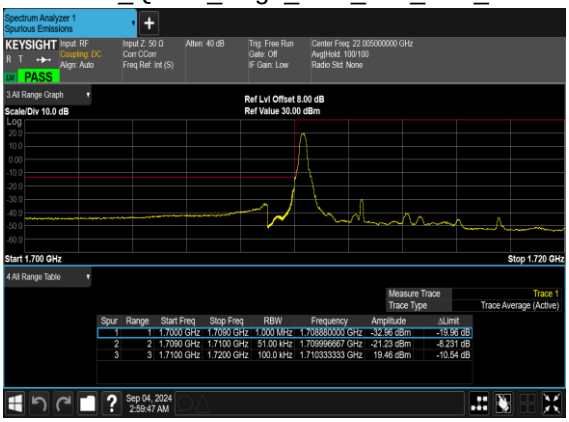
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
66	15	5	355500	1777.5	DFT-s-OFDM BPSK	1@24	see graph	**PASS**
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@24	see graph	**PASS**
66	15	5	355500	1777.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
66	15	25	344500	1722.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	25	344500	1722.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	25	344500	1722.5	DFT-s-OFDM BPSK	128@0	see graph	**PASS**
66	15	25	344500	1722.5	DFT-s-OFDM QPSK	128@0	see graph	**PASS**
66	15	25	353500	1767.5	DFT-s-OFDM BPSK	1@132	see graph	**PASS**
66	15	25	353500	1767.5	DFT-s-OFDM QPSK	1@132	see graph	**PASS**
66	15	25	353500	1767.5	DFT-s-OFDM BPSK	128@0	see graph	**PASS**
66	15	25	353500	1767.5	DFT-s-OFDM QPSK	128@0	see graph	**PASS**
66	15	45	346500	1732.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	45	346500	1732.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	45	346500	1732.5	DFT-s-OFDM BPSK	240@0	see graph	**PASS**
66	15	45	346500	1732.5	DFT-s-OFDM QPSK	240@0	see graph	**PASS**
66	15	45	351500	1757.5	DFT-s-OFDM BPSK	1@241	see graph	**PASS**
66	15	45	351500	1757.5	DFT-s-OFDM QPSK	1@241	see graph	**PASS**
66	15	45	351500	1757.5	DFT-s-OFDM BPSK	240@0	see graph	**PASS**
66	15	45	351500	1757.5	DFT-s-OFDM QPSK	240@0	see graph	**PASS**

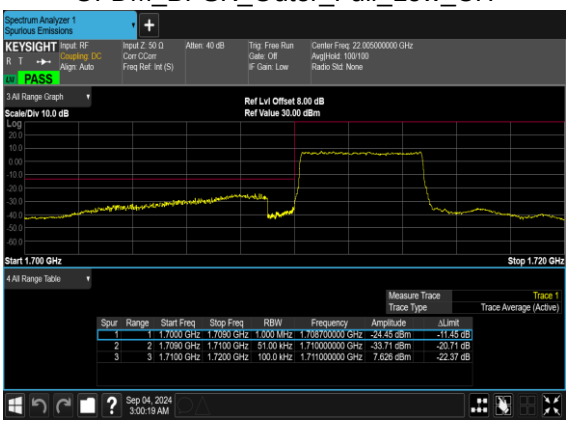
N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

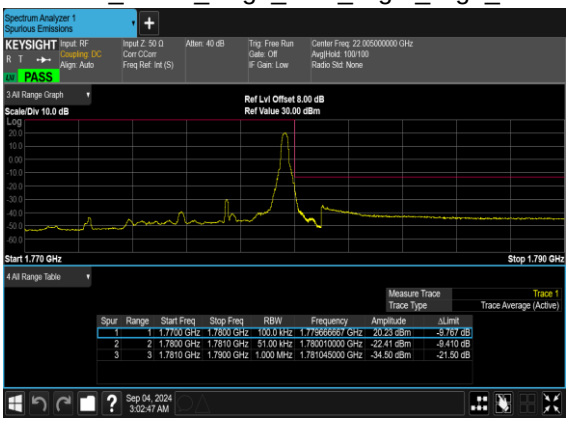


N66(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

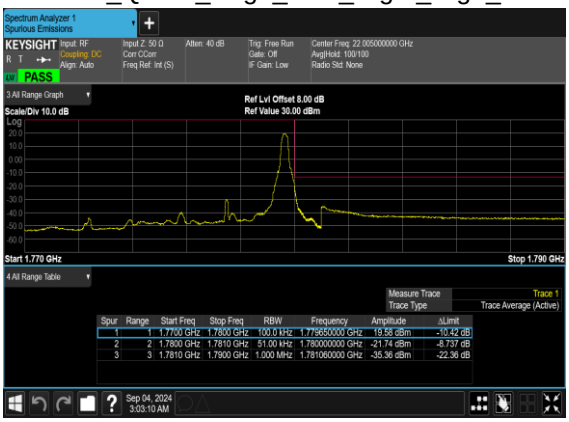


N66(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



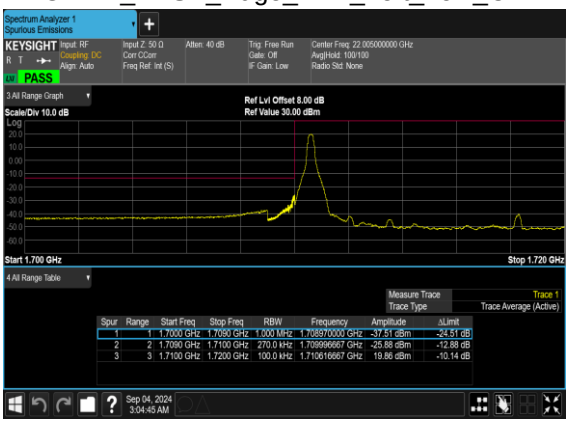
N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



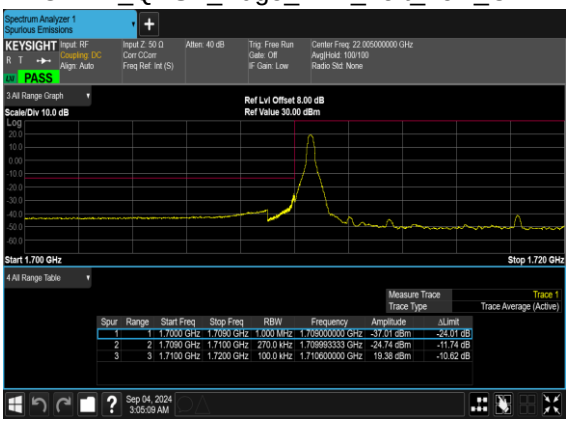
N66(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

N66(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

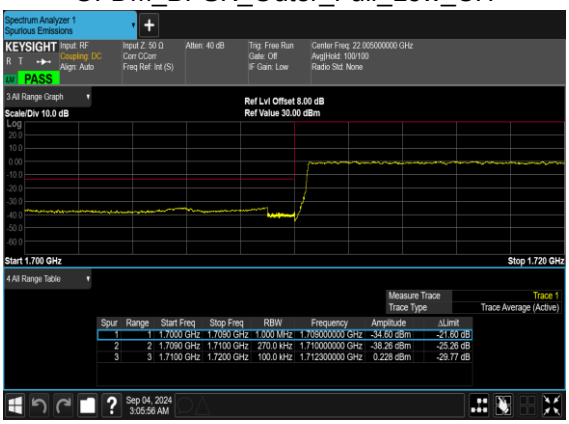
N66(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



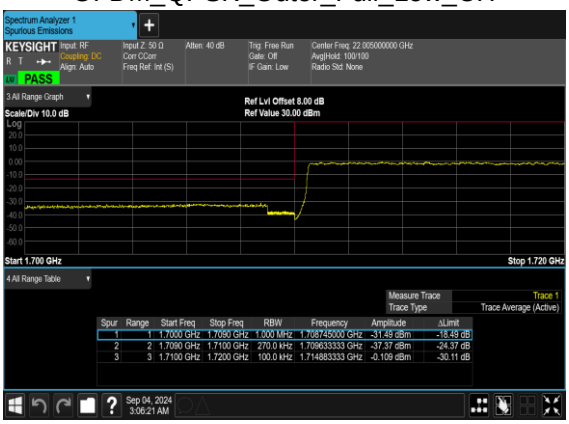
N66(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



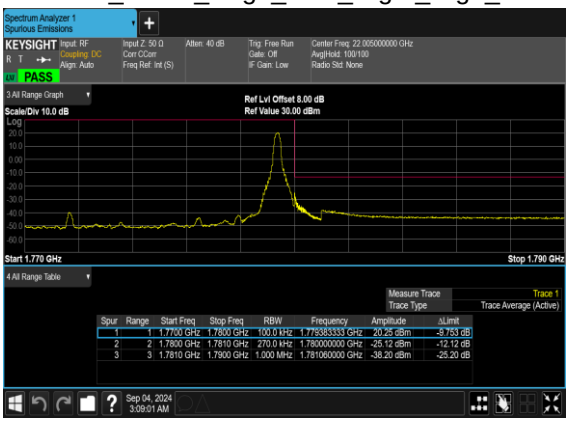
N66(25M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



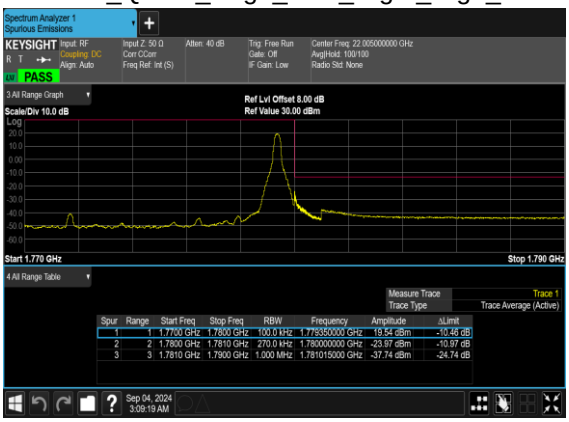
N66(25M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



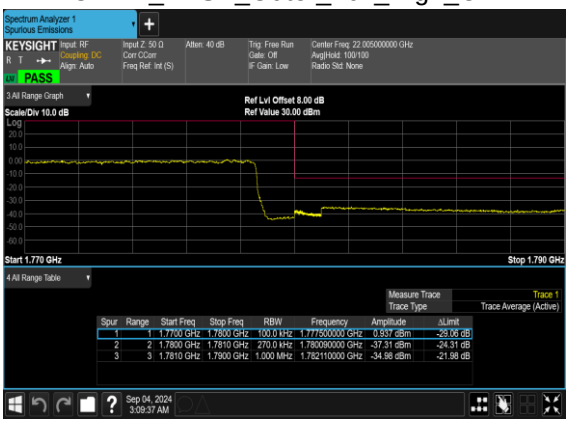
N66(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



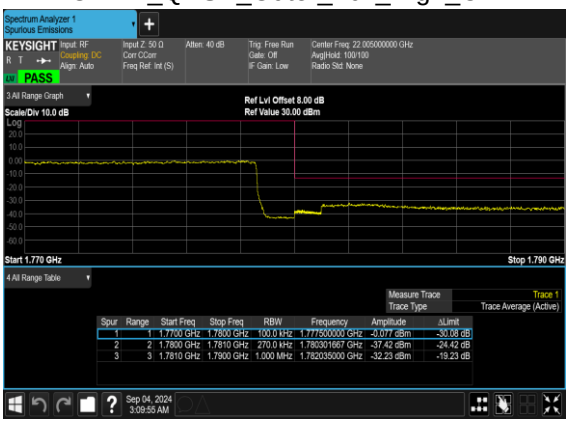
N66(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



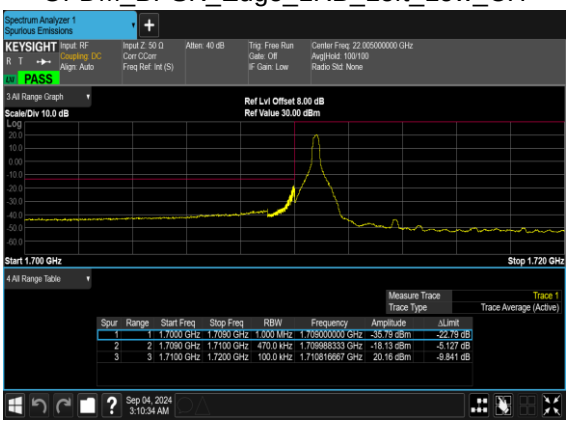
N66(25M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



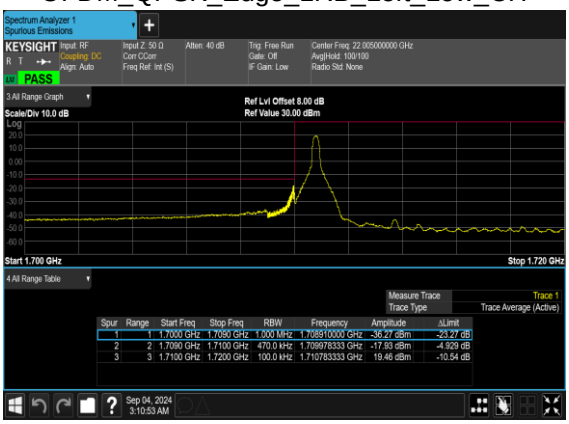
N66(25M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



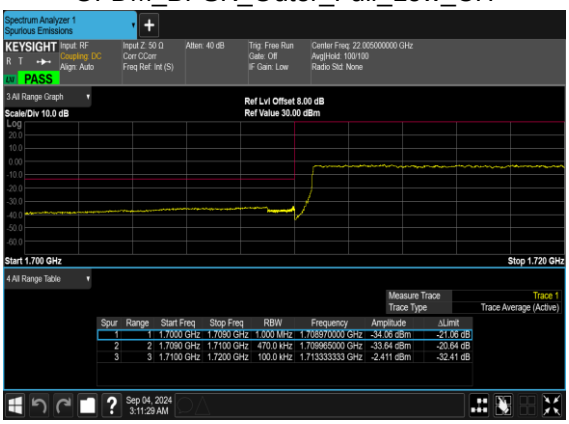
N66(45M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



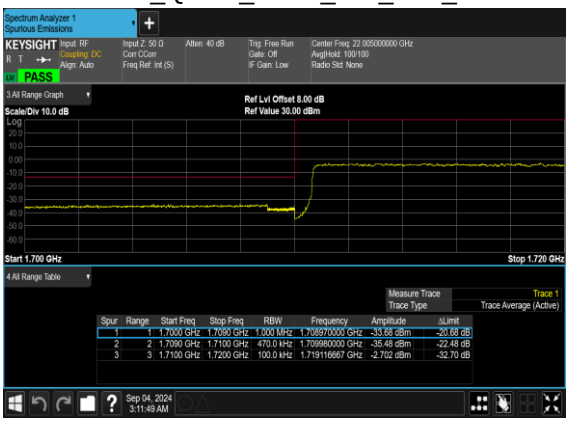
N66(45M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



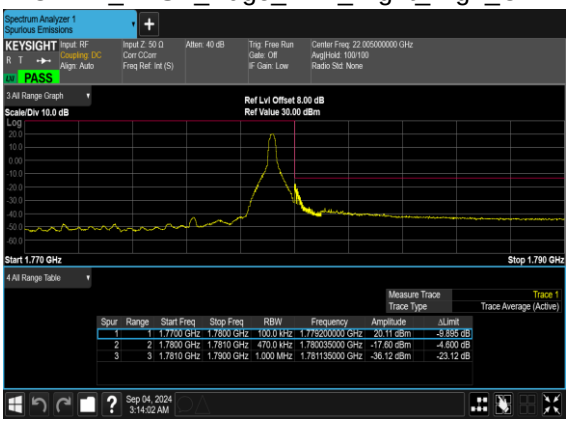
N66(45M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



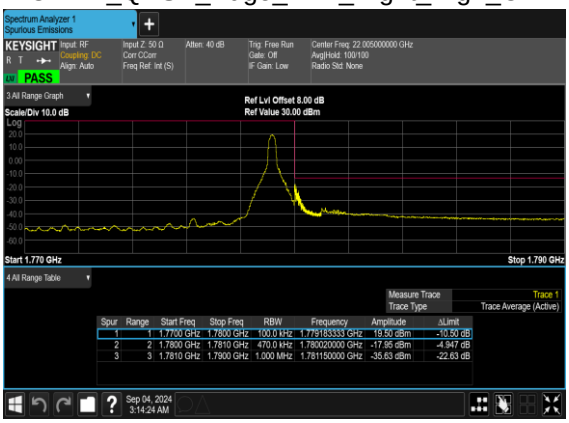
N66(45M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



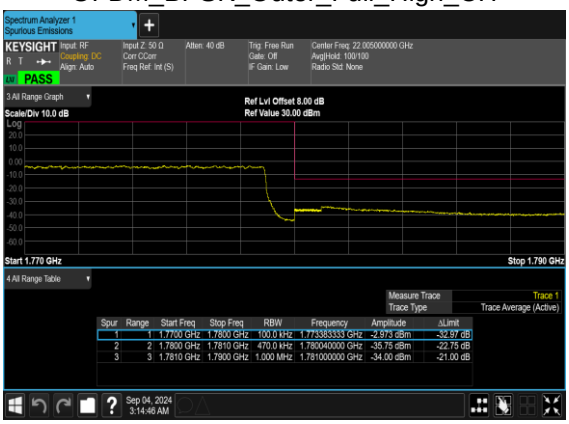
N66(45M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



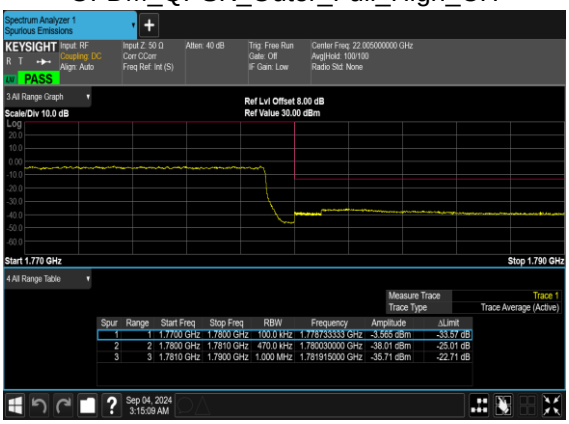
N66(45M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N66(45M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N66(45M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 23.06.1602

FR1 N70(ANT0)

Transmitter Conducted Output Power and EIRP, (G_T - L_C)=-2.5dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
70	15	5	339500	1697.5	DFT-s-OFDM QPSK	1@1	23.17	20.67	0.1167
70	15	5	339500	1697.5	DFT-s-OFDM 16 QAM	1@1	22.44	19.94	0.0986
70	15	5	340500	1702.5	DFT-s-OFDM QPSK	1@1	23.24	20.74	0.1186
70	15	5	340500	1702.5	DFT-s-OFDM 16 QAM	1@1	22.43	19.93	0.0984
70	15	5	341500	1707.5	DFT-s-OFDM QPSK	1@1	23.22	20.72	0.1180
70	15	5	341500	1707.5	DFT-s-OFDM 16 QAM	1@1	22.49	19.99	0.0998
70	15	10	340000	1700	DFT-s-OFDM QPSK	1@1	23.16	20.66	0.1164
70	15	10	340000	1700	DFT-s-OFDM 16 QAM	1@1	22.43	19.93	0.0984
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	1@1	23.25	20.75	0.1189
70	15	10	340500	1702.5	DFT-s-OFDM 16 QAM	1@1	22.4	19.9	0.0977
70	15	10	341000	1705	DFT-s-OFDM QPSK	1@1	23.21	20.71	0.1178
70	15	10	341000	1705	DFT-s-OFDM 16 QAM	1@1	22.5	20	0.1000
70	15	15	340500	1702.5	DFT-s-OFDM PI/2 BPSK	36@18	23.5	21	0.1259
70	15	15	340500	1702.5	DFT-s-OFDM PI/2 BPSK	1@1	23.45	20.95	0.1245
70	15	15	340500	1702.5	DFT-s-OFDM PI/2 BPSK	1@77	23.49	20.99	0.1256
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	36@18	23.54	21.04	0.1271
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	1@1	23.43	20.93	0.1239
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	1@77	23.49	20.99	0.1256
70	15	15	340500	1702.5	DFT-s-OFDM 16 QAM	36@18	22.55	20.05	0.1012
70	15	15	340500	1702.5	DFT-s-OFDM 16 QAM	1@1	22.63	20.13	0.1030
70	15	15	340500	1702.5	DFT-s-OFDM 16 QAM	1@77	22.65	20.15	0.1035
70	15	15	340500	1702.5	DFT-s-OFDM 64 QAM	36@18	21.04	18.54	0.0714
70	15	15	340500	1702.5	DFT-s-OFDM 64 QAM	1@1	20.8	18.3	0.0676
70	15	15	340500	1702.5	DFT-s-OFDM 64 QAM	1@77	20.73	18.23	0.0665
70	15	15	340500	1702.5	DFT-s-OFDM 256 QAM	36@18	19.05	16.55	0.0452
70	15	15	340500	1702.5	DFT-s-OFDM 256 QAM	1@1	18.99	16.49	0.0446
70	15	15	340500	1702.5	DFT-s-OFDM 256 QAM	1@77	18.92	16.42	0.0439
70	15	15	340500	1702.5	CP-OFDM QPSK	39@19	22.05	19.55	0.0902
70	15	15	340500	1702.5	CP-OFDM QPSK	1@1	22.2	19.7	0.0933
70	15	15	340500	1702.5	CP-OFDM QPSK	1@77	21.91	19.41	0.0873

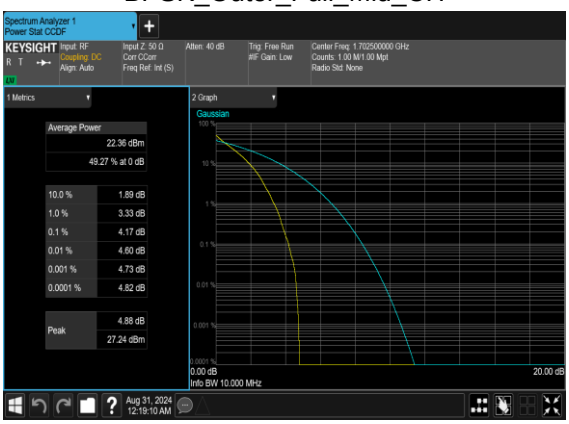
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	0.0020	**PASS**	NV
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	0.0053	**PASS**	LV
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	0.0024	**PASS**	HV
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	0.0042	**PASS**	-30℃
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	0.0058	**PASS**	-20℃
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	0.0030	**PASS**	-10℃
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	0.0049	**PASS**	0℃
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	0.0028	**PASS**	10℃
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	0.0020	**PASS**	20℃
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	0.0028	**PASS**	30℃
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	0.0051	**PASS**	40℃
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	0.0031	**PASS**	50℃

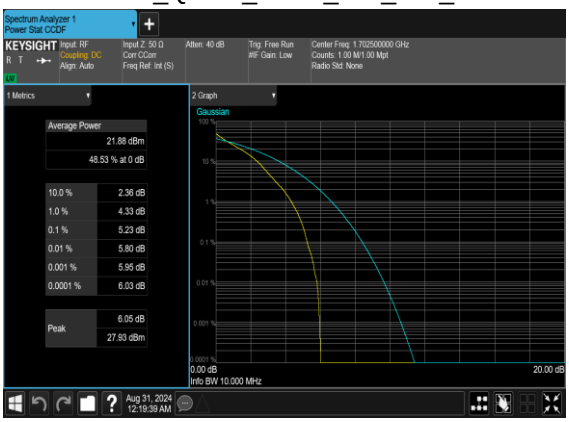
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
70	15	10	340500	1702.5	DFT-s-OFDM PI/2 BPSK	50@0	4.17	13	**PASS**
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	5.23	13	**PASS**

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



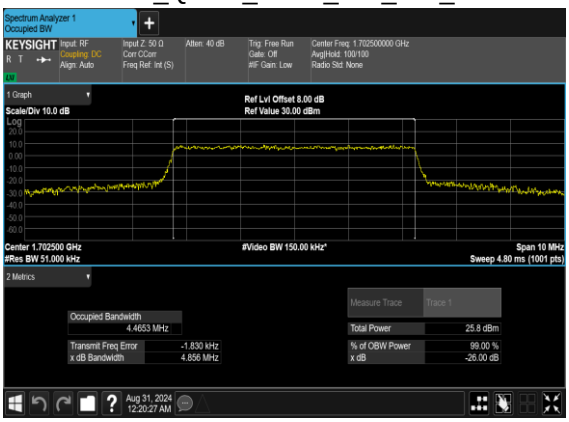
N70(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



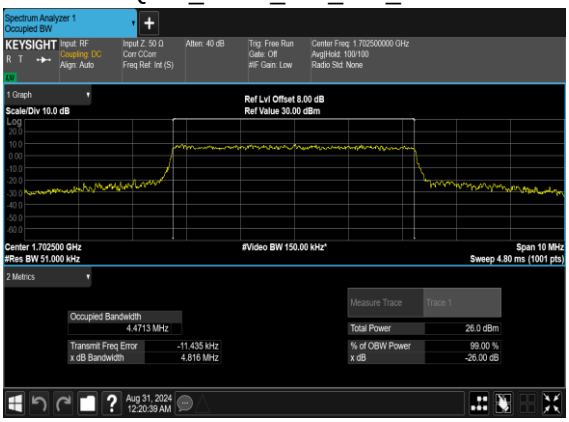
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
70	15	5	340500	1702.5	CP-OFDM QPSK	25@0	4.4653	4.856
70	15	5	340500	1702.5	CP-OFDM 16 QAM	25@0	4.4713	4.816
70	15	5	340500	1702.5	CP-OFDM 64 QAM	25@0	4.4692	4.861
70	15	5	340500	1702.5	CP-OFDM 256 QAM	25@0	4.471	4.806
70	15	10	340500	1702.5	CP-OFDM QPSK	52@0	9.2822	9.659
70	15	10	340500	1702.5	CP-OFDM 16 QAM	52@0	9.272	9.742
70	15	10	340500	1702.5	CP-OFDM 64 QAM	52@0	9.2835	9.729
70	15	10	340500	1702.5	CP-OFDM 256 QAM	52@0	9.2678	9.757
70	15	15	340500	1702.5	CP-OFDM QPSK	79@0	14.123	14.65
70	15	15	340500	1702.5	CP-OFDM 16 QAM	79@0	14.09	14.74
70	15	15	340500	1702.5	CP-OFDM 64 QAM	79@0	14.118	14.74
70	15	15	340500	1702.5	CP-OFDM 256 QAM	79@0	14.137	14.68

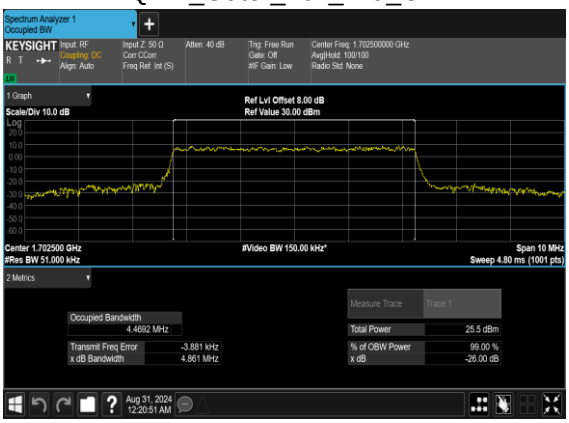
N70(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



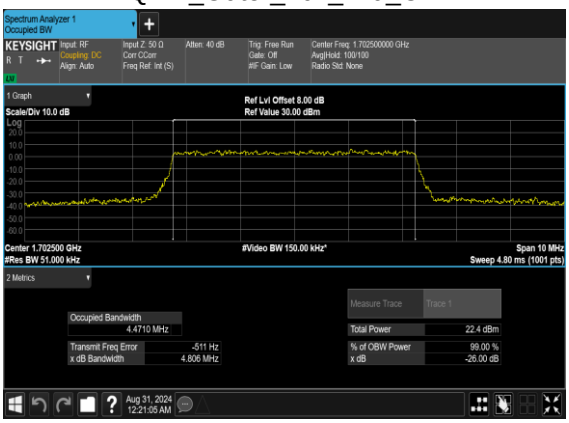
N70(5M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



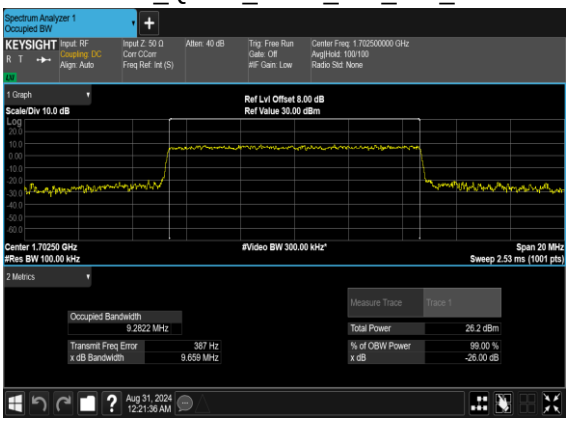
N70(5M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



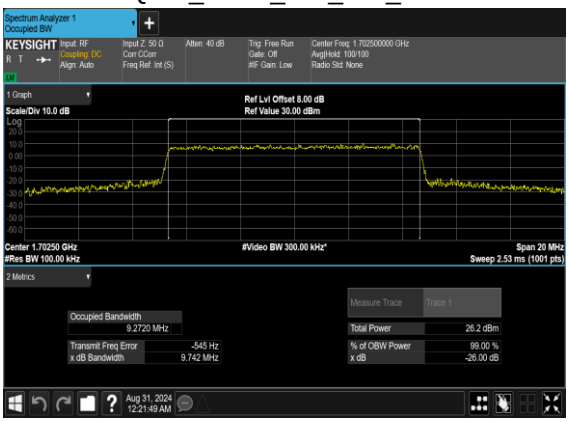
N70(5M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



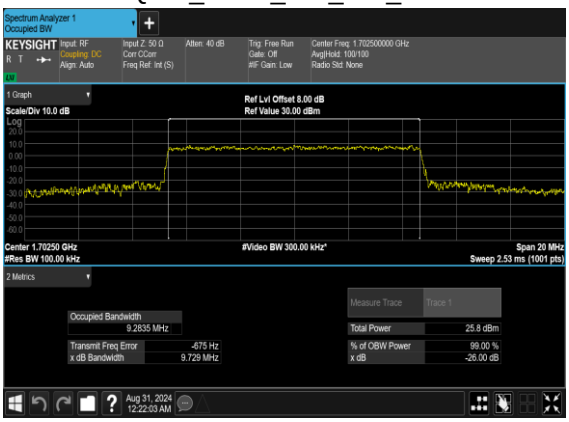
N70(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



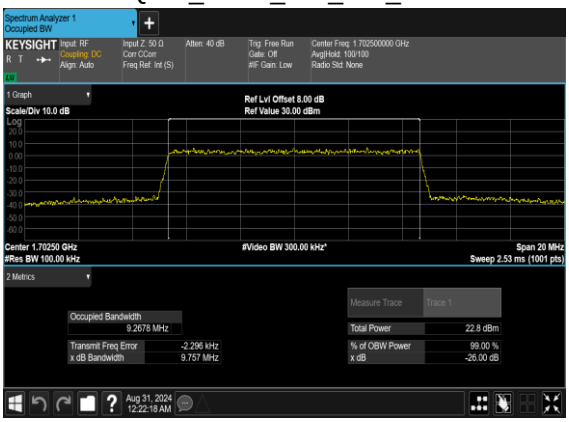
N70(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



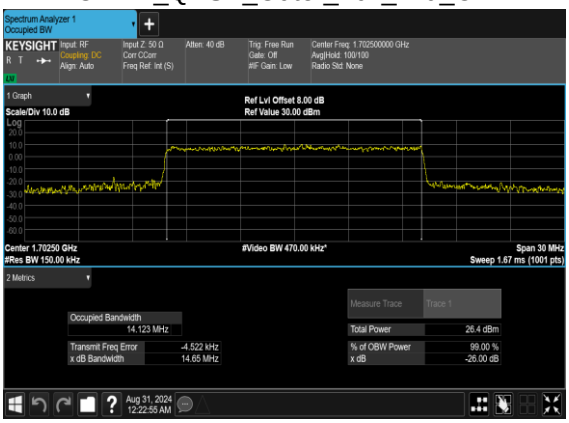
N70(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



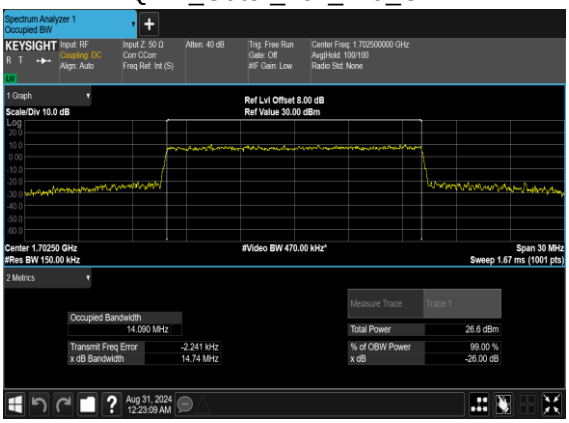
N70(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



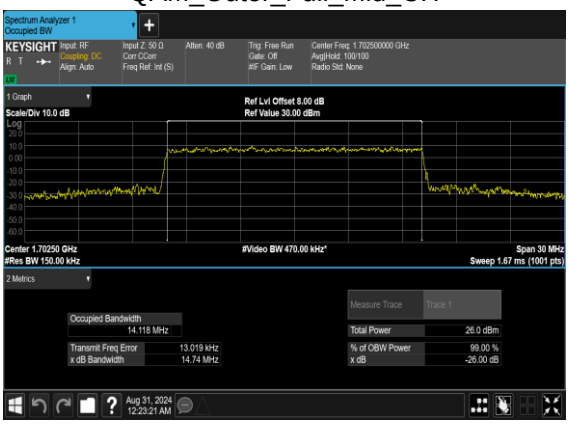
N70(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



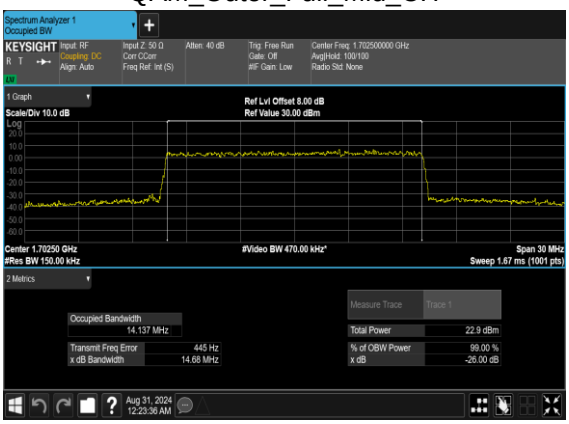
N70(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N70(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N70(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

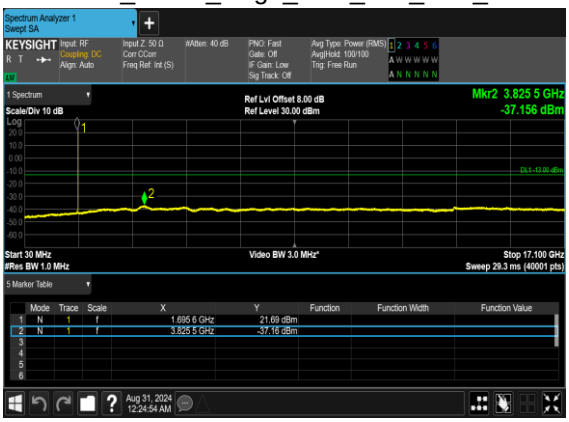


Conducted Spurious Emissions

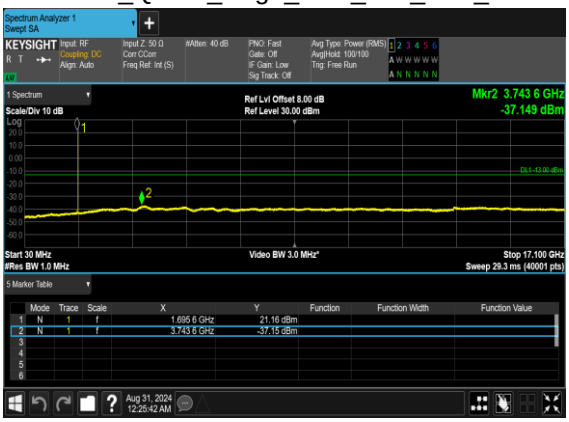
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
70	15	5	339500	1697.5	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	5	339500	1697.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
70	15	5	339500	1697.5	DFT-s-OFDM QPSK	1@0	see graph	---
70	15	5	339500	1697.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
70	15	5	340500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	5	340500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
70	15	5	340500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	---
70	15	5	340500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
70	15	5	341500	1707.5	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	5	341500	1707.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
70	15	5	341500	1707.5	DFT-s-OFDM QPSK	1@0	see graph	---
70	15	5	341500	1707.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
70	15	10	340000	1700.0	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	10	340000	1700.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
70	15	10	340000	1700.0	DFT-s-OFDM QPSK	1@0	see graph	---
70	15	10	340000	1700.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
70	15	10	340500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	10	340500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	---
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
70	15	10	341000	1705.0	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	10	341000	1705.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**

70	15	10	341000	1705.0	DFT-s-OFDM QPSK	1@0	see graph	---
70	15	10	341000	1705.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
70	15	15	340500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	15	340500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	---
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

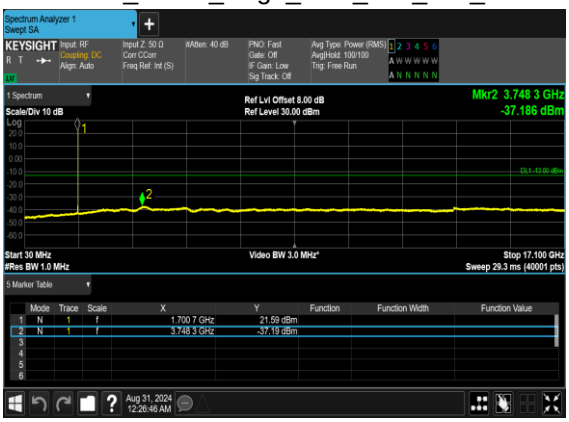
N70(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



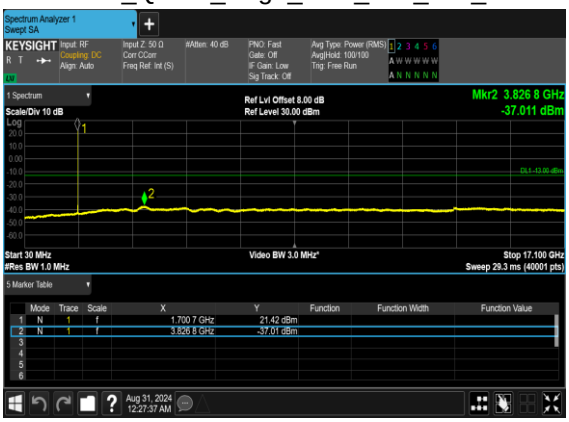
N70(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



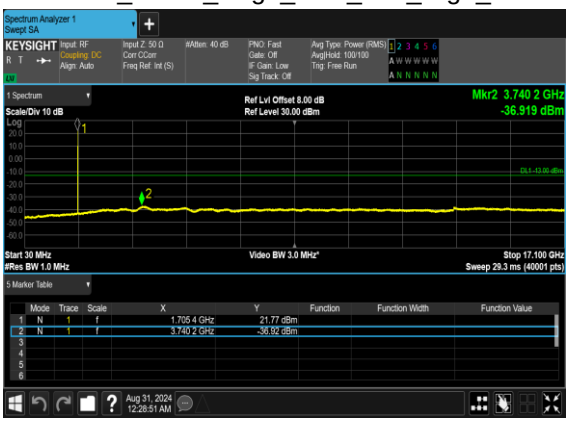
N70(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



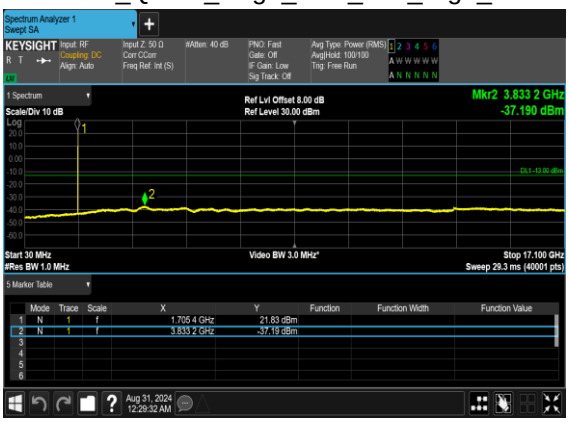
N70(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



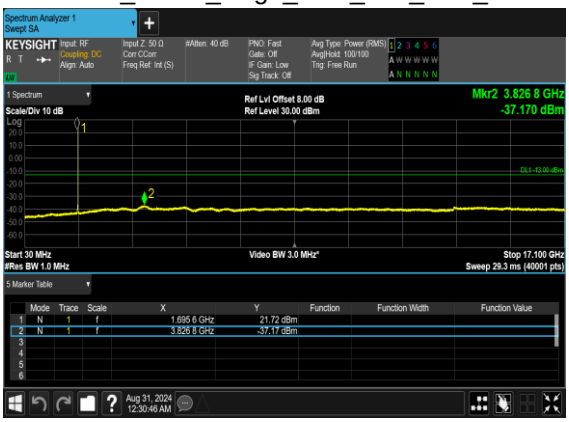
N70(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



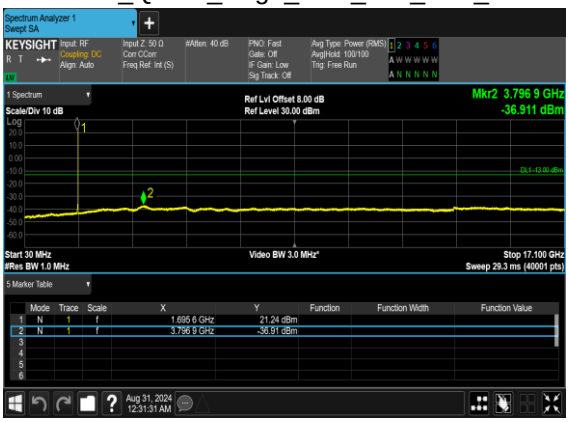
N70(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



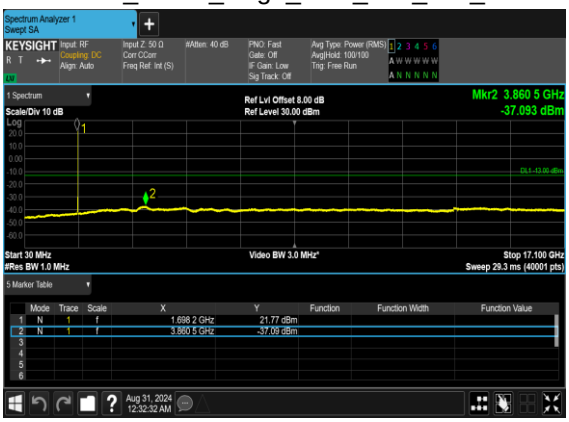
N70(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



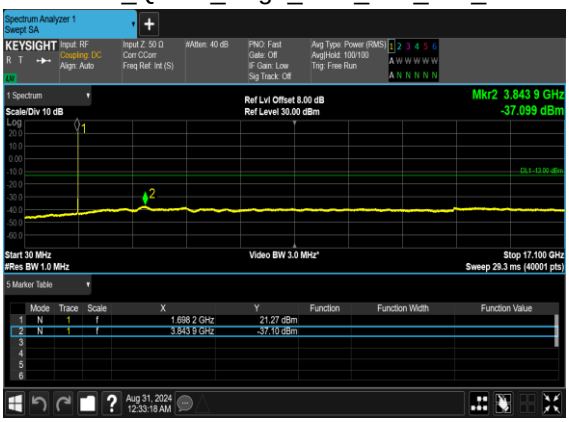
N70(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



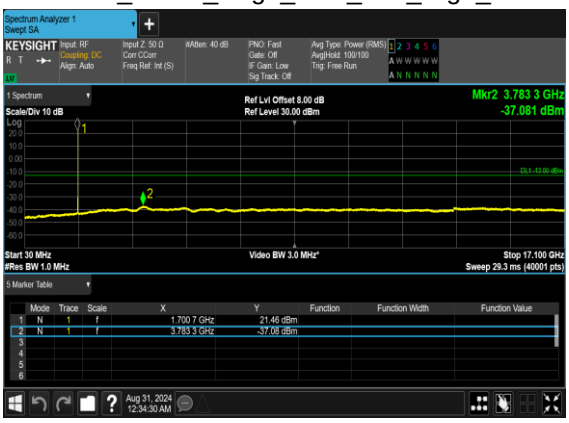
N70(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



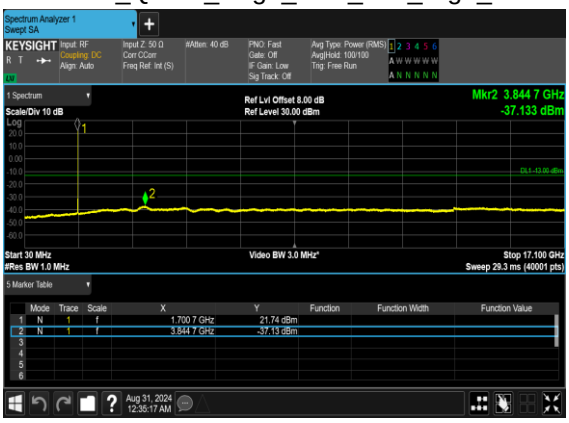
N70(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



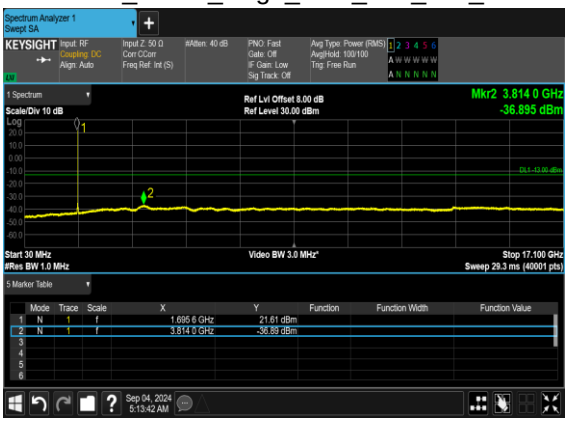
N70(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



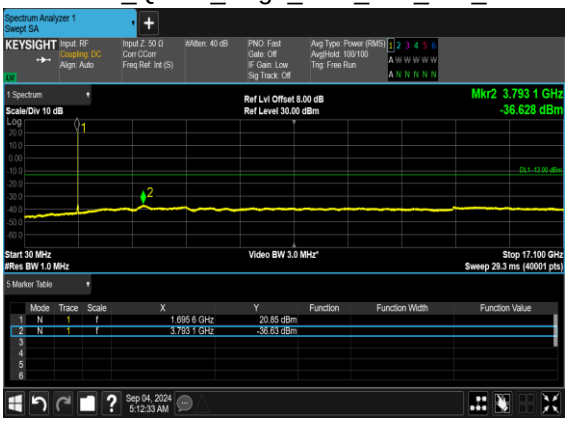
N70(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N70(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



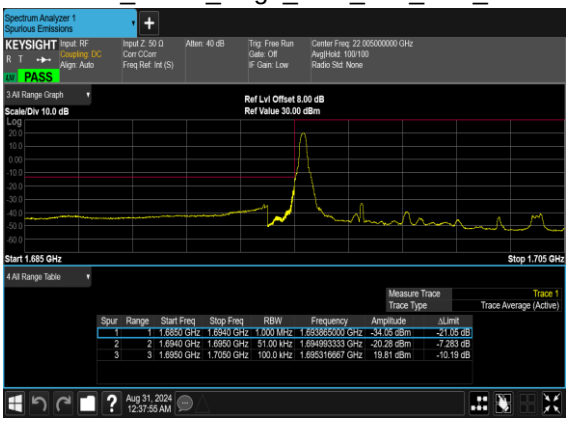
N70(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



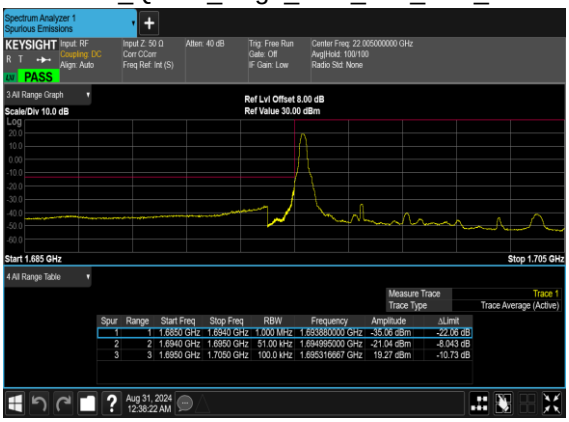
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
70	15	5	339500	1697.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
70	15	5	339500	1697.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
70	15	5	339500	1697.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
70	15	5	339500	1697.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
70	15	5	341500	1707.5	DFT-s-OFDM BPSK	1@24	see graph	**PASS**
70	15	5	341500	1707.5	DFT-s-OFDM QPSK	1@24	see graph	**PASS**
70	15	5	341500	1707.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
70	15	5	341500	1707.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
70	15	10	340000	1700.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
70	15	10	340000	1700.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
70	15	10	340000	1700.0	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
70	15	10	340000	1700.0	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
70	15	10	341000	1705.0	DFT-s-OFDM BPSK	1@51	see graph	**PASS**
70	15	10	341000	1705.0	DFT-s-OFDM QPSK	1@51	see graph	**PASS**
70	15	10	341000	1705.0	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
70	15	10	341000	1705.0	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
70	15	15	340500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
70	15	15	340500	1702.5	DFT-s-OFDM BPSK	1@78	see graph	**PASS**
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	1@78	see graph	**PASS**
70	15	15	340500	1702.5	DFT-s-OFDM BPSK	75@0	see graph	**PASS**
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	75@0	see graph	**PASS**

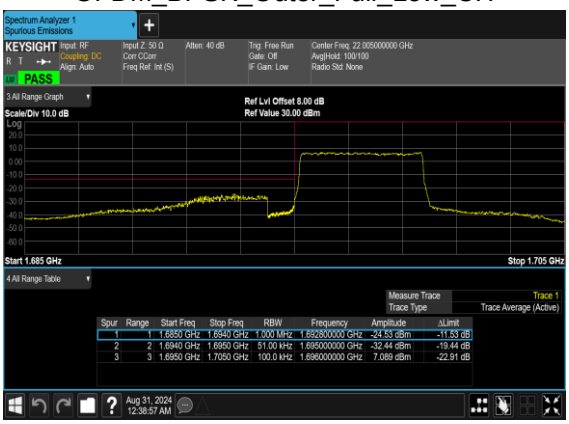
N70(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N70(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

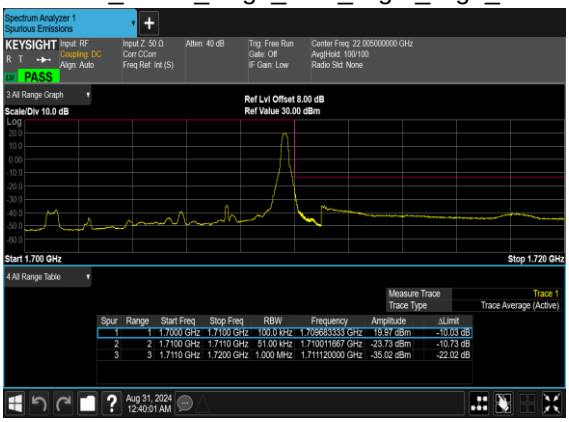


N70(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

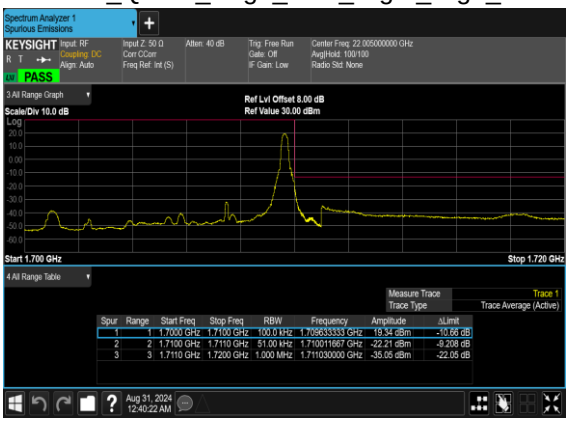


N70(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

N70(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



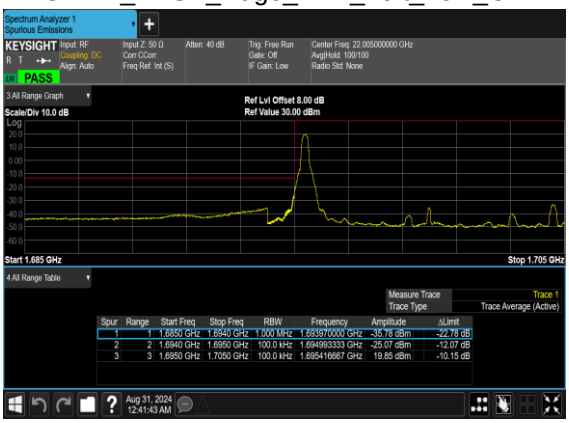
N70(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



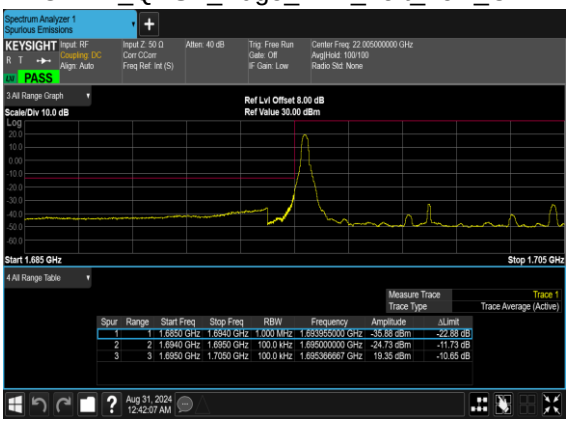
N70(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

N70(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

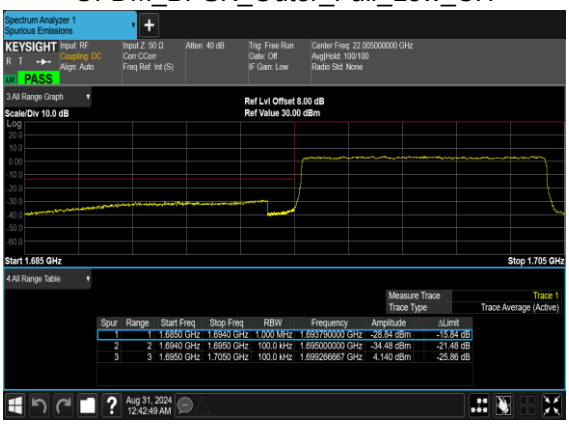
N70(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N70(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

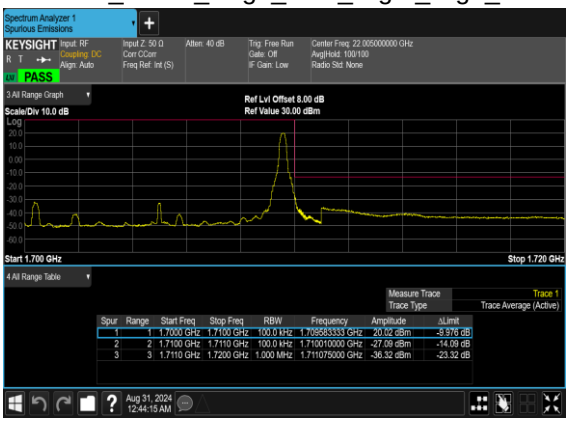


N70(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

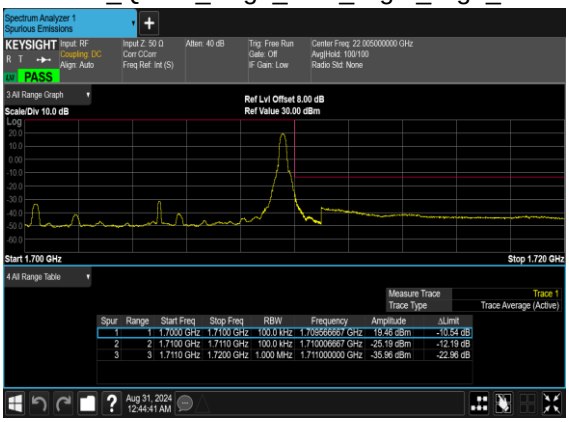


N70(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

N70(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



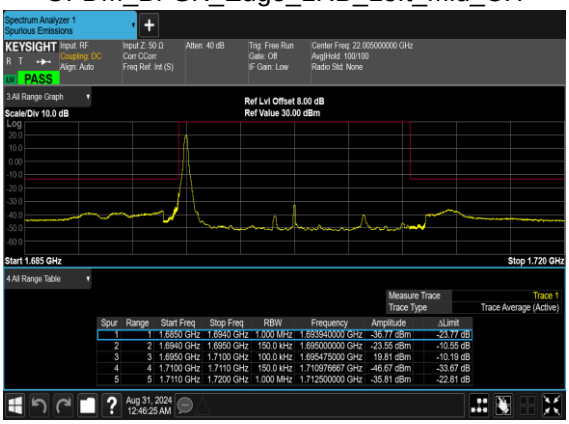
N70(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



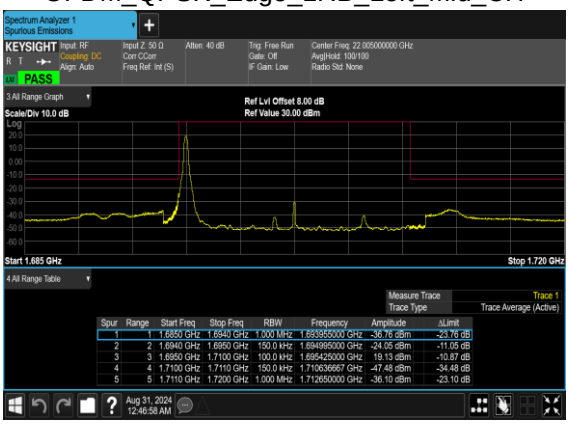
N70(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

N70(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

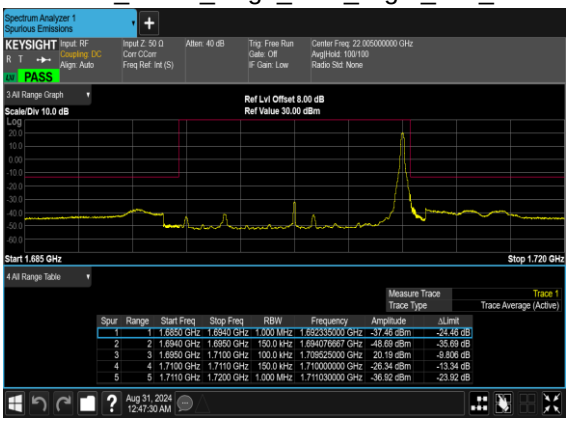
N70(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



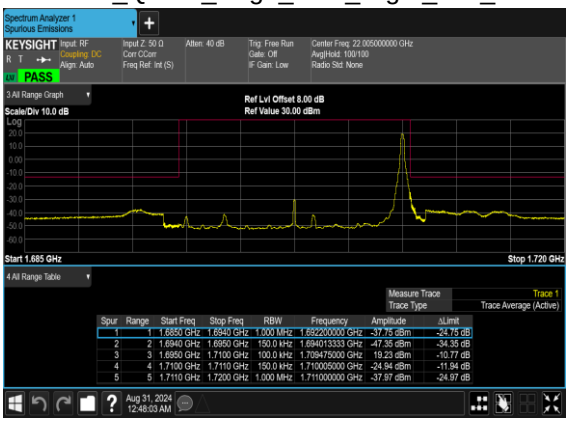
N70(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



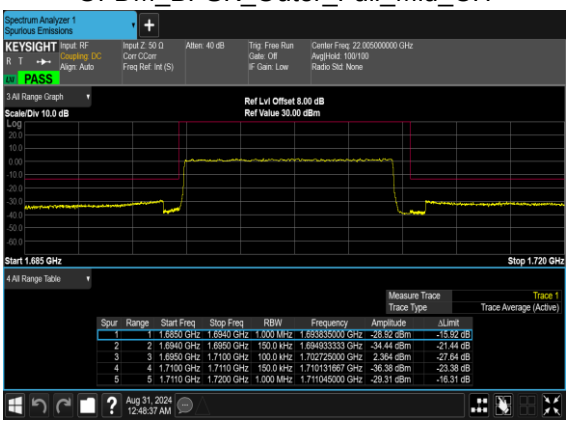
N70(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



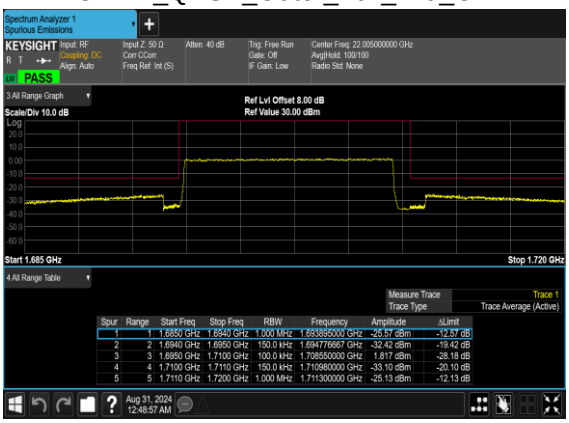
N70(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



N70(15M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



N70(15M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Zhaohui Liang	Temperature :	22~25℃
		Relative Humidity :	48~52%

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

5G NR n25 / NR 40MHz / QPSK(ANT0)									
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	3701.8	-57.65	-13	-44.65	-74.99	-64.41	5.82	12.58	H
	5552.7	-56.97	-13	-43.97	-77.42	-62.69	7.28	13.00	H
	7403.6	-54.19	-13	-41.19	-79.79	-57.35	8.32	11.48	H
	3701.8	-54.65	-13	-41.65	-71.89	-61.41	5.82	12.58	V
	5552.7	-53.79	-13	-40.79	-74.42	-59.51	7.28	13.00	V
	7403.6	-54.18	-13	-41.18	-79.8	-57.34	8.32	11.48	V
Middle	3721.8	-57.37	-13	-44.37	-74.74	-64.12	5.85	12.60	H
	5582.7	-56.83	-13	-43.83	-77.38	-62.63	7.30	13.10	H
	7443.6	-54.76	-13	-41.76	-80.25	-57.91	8.35	11.50	H
	3721.8	-54.75	-13	-41.75	-72.03	-61.50	5.85	12.60	V
	5582.7	-53.75	-13	-40.75	-74.49	-59.55	7.30	13.10	V
	7443.6	-54.28	-13	-41.28	-79.78	-57.43	8.35	11.50	V
Highest	3741.8	-57.13	-13	-44.13	-74.52	-63.87	5.88	12.62	H
	5612.7	-56.17	-13	-43.17	-76.77	-61.98	7.32	13.13	H
	7483.6	-54.66	-13	-41.66	-80.05	-57.82	8.38	11.54	H
	3741.8	-54.88	-13	-41.88	-72.19	-61.62	5.88	12.62	V
	5612.7	-54.74	-13	-41.74	-75.53	-60.55	7.32	13.13	V
	7483.6	-54.30	-13	-41.30	-79.68	-57.46	8.38	11.54	V

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

EN-DC_7A_n25A / LTE 10MHz + NR 40MHz / QPSK (ANT1+4)									
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	3701.74	-61.88	-13	-48.88	-80.34	-68.64	5.82	12.58	H
	5552.61	-59.14	-13	-46.14	-81.42	-64.86	7.28	13.00	H
	7403.48	-54.71	-13	-41.71	-81.77	-57.87	8.32	11.48	H
	3701.74	-61.90	-13	-48.90	-80.26	-68.66	5.82	12.58	V
	5552.61	-59.31	-13	-46.31	-81.77	-65.03	7.28	13.00	V
	7403.48	-54.12	-13	-41.12	-81.2	-57.28	8.32	11.48	V
LTE Band7 Lowest	5061.00	-59.62	-25	-34.62	-81.60	-65.18	7.14	12.70	H
	7591.50	-54.38	-25	-29.38	-80.99	-57.68	8.30	11.60	H
	10122.00	-50.44	-25	-25.44	-81.82	-51.96	10.48	12.00	H
	5061.00	-59.95	-25	-34.95	-82.07	-65.51	7.14	12.70	V
	7591.50	-54.51	-25	-29.51	-81.07	-57.81	8.30	11.60	V
	10122.00	-51.69	-25	-26.69	-81.7	-53.21	10.48	12.00	V
NR n25 Middle	3721.8	-61.49	-13	-48.49	-80.01	-68.24	5.85	12.60	H
	5582.7	-59.84	-13	-46.84	-82.20	-65.64	7.30	13.10	H
	7443.6	-54.52	-13	-41.52	-81.51	-57.67	8.35	11.50	H
	3721.8	-61.63	-13	-48.63	-80.06	-68.38	5.85	12.60	V
	5582.7	-59.75	-13	-46.75	-82.3	-65.55	7.30	13.10	V
	7443.6	-54.48	-13	-41.48	-81.48	-57.63	8.35	11.50	V
LTE Band7 Middle	5061.00	-59.63	-25	-34.63	-81.61	-65.19	7.14	12.70	H
	7591.50	-54.41	-25	-29.41	-81.02	-57.71	8.30	11.60	H
	10122.00	-50.27	-25	-25.27	-81.65	-51.79	10.48	12.00	H
	5061.00	-58.24	-25	-33.24	-80.36	-63.80	7.14	12.70	V
	7591.50	-54.56	-25	-29.56	-81.12	-57.86	8.30	11.60	V
	10122.00	-51.86	-25	-26.86	-81.87	-53.38	10.48	12.00	V
NR n25 Highest	3741.74	-61.67	-13	-48.67	-80.25	-68.41	5.88	12.62	H
	5612.61	-59.39	-13	-46.39	-81.78	-65.20	7.32	13.13	H
	7483.48	-54.78	-13	-41.78	-81.71	-57.94	8.38	11.54	H
	3741.74	-61.34	-13	-48.34	-79.84	-68.08	5.88	12.62	V
	5612.61	-59.31	-13	-46.31	-81.89	-65.12	7.32	13.13	V
	7483.48	-54.74	-13	-41.74	-81.66	-57.90	8.38	11.54	V
LTE Band7 Highest	5052.00	-60.59	-25	-35.59	-82.60	-66.15	7.14	12.70	H
	7578.00	-54.65	-25	-29.65	-81.30	-57.95	8.30	11.60	H
	10104.00	-50.31	-25	-25.31	-81.72	-51.83	10.48	12.00	H
	5052.00	-59.62	-25	-34.62	-81.75	-65.18	7.14	12.70	V
	7578.00	-54.57	-25	-29.57	-81.18	-57.87	8.30	11.60	V
	10104.00	-51.64	-25	-26.64	-81.65	-53.16	10.48	12.00	V

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

5G NR n26 / 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	1650	-66.15	-13	-53.15	-76.33	-69.38	3.98	9.36	H
	2475	-61.01	-13	-48.01	-75.41	-64.56	4.85	10.55	H
	3300	-60.03	-13	-47.03	-75.65	-64.96	5.50	12.58	H
	1650	-65.38	-13	-52.38	-75.30	-68.61	3.98	9.36	V
	2475	-60.71	-13	-47.71	-75.08	-64.26	4.85	10.55	V
	3300	-59.36	-13	-46.36	-74.79	-64.29	5.50	12.58	V
Middle	1654	-66.33	-13	-53.33	-76.51	-69.58	4.00	9.40	H
	2481	-61.40	-13	-48.40	-75.80	-64.97	4.88	10.60	H
	3308	-60.38	-13	-47.38	-75.83	-65.31	5.52	12.60	H
	1654	-65.74	-13	-52.74	-75.66	-68.99	4.00	9.40	V
	2481	-60.80	-13	-47.80	-75.17	-64.37	4.88	10.60	V
	3308	-59.41	-13	-46.41	-74.64	-64.34	5.52	12.60	V
Highest	1660	-66.33	-13	-53.33	-76.53	-69.50	4.10	9.42	H
	2490	-61.05	-13	-48.05	-75.40	-64.63	4.90	10.63	H
	3320	-59.88	-13	-46.88	-75.34	-64.80	5.55	12.62	H
	1660	-65.68	-13	-52.68	-75.48	-68.85	4.10	9.42	V
	2490	-60.90	-13	-47.90	-75.21	-64.48	4.90	10.63	V
	3320	-58.02	-13	-45.02	-73.26	-62.94	5.55	12.62	V

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

EN-DC_48A_n5A / LTE 10MHz + NR 20MHz / QPSK (ANT5+0)									
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 Lowest	1655.5	-65.80	-13	-52.80	-75.73	-69.03	3.98	9.36	H
	2483.25	-62.53	-13	-49.53	-77.02	-66.08	4.85	10.55	H
	3311	-62.16	-13	-49.16	-78.49	-67.09	5.50	12.58	H
	1655.5	-66.18	-13	-53.18	-75.71	-69.41	3.98	9.36	V
	2483.25	-63.35	-13	-50.35	-77.81	-66.90	4.85	10.55	V
	3311	-62.21	-13	-49.21	-78.32	-67.14	5.50	12.58	V
LTE Band48 Lowest	7241.00	-58.59	-40	-18.59	-64.64	-61.89	8.30	11.60	H
	10861.50	-54.18	-40	-14.18	-67.60	-55.70	10.48	12.00	H
	14482.00	-50.14	-40	-10.14	-67.78	-51.84	11.80	13.50	H
	7241.00	-58.94	-40	-18.94	-65.3	-62.24	8.30	11.60	V
	10861.50	-54.71	-40	-14.71	-67.77	-56.23	10.48	12.00	V
	14482.00	-50.54	-40	-10.54	-67.59	-52.24	11.80	13.50	V
NR n5 Middle	1654.23	-65.68	-13	-52.68	-75.60	-68.93	4.00	9.40	H
	2481.34	-63.39	-13	-50.39	-77.87	-66.96	4.88	10.60	H
	3308.46	-62.41	-13	-49.41	-78.74	-67.34	5.52	12.60	H
	1654.23	-66.30	-13	-53.30	-75.96	-69.55	4.00	9.40	V
	2481.34	-62.99	-13	-49.99	-77.44	-66.56	4.88	10.60	V
	3308.46	-62.35	-13	-49.35	-78.46	-67.28	5.52	12.60	V
LTE Band48 Middle	7241.00	-58.92	-40	-18.92	-64.97	-62.22	8.30	11.60	H
	10861.50	-54.65	-40	-14.65	-68.07	-56.17	10.48	12.00	H
	14482.00	-49.86	-40	-9.86	-67.50	-51.56	11.80	13.50	H
	7241.00	-56.50	-40	-16.50	-62.86	-59.80	8.30	11.60	V
	10861.50	-54.92	-40	-14.92	-67.98	-56.44	10.48	12.00	V
	14482.00	-50.65	-40	-10.65	-67.70	-52.35	11.80	13.50	V
NR n5 Highest	1659.5	-65.89	-13	-52.89	-75.83	-69.06	4.10	9.42	H
	2489.25	-63.28	-13	-50.28	-77.71	-66.86	4.90	10.63	H
	3319	-62.27	-13	-49.27	-78.60	-67.19	5.55	12.62	H
	1659.5	-65.93	-13	-52.93	-75.47	-75.37	4.10	9.42	V
	2489.25	-62.88	-13	-49.88	-77.27	-76.63	4.90	10.63	V
	3319	-62.47	-13	-49.47	-78.58	-79.23	5.55	12.62	V
LTE Band48 Highest	7241.00	-58.89	-40	-18.89	-64.94	-62.19	8.30	11.60	H
	10861.50	-54.73	-40	-14.73	-68.15	-56.25	10.48	12.00	H
	14482.00	-49.99	-40	-9.99	-67.63	-51.69	11.80	13.50	H
	7241.00	-59.14	-40	-19.14	-65.5	-62.44	8.30	11.60	V
	10861.50	-54.85	-40	-14.85	-67.91	-56.37	10.48	12.00	V
	14482.00	-50.91	-40	-10.91	-67.96	-52.61	11.80	13.50	V

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

5G NR n66 / NR 45MHz / QPSK(ANT0)									
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	3423	-57.69	-13	-44.69	-73.49	-64.57	5.60	12.48	H
	5134.5	-52.37	-13	-39.37	-72.73	-58.05	7.10	12.78	H
	6846	-55.37	-13	-42.37	-79.40	-58.76	8.38	11.77	H
	3423	-57.73	-13	-44.73	-73.59	-64.61	5.60	12.48	V
	5134.5	-53.04	-13	-40.04	-73.62	-58.72	7.10	12.78	V
	6846	-53.83	-13	-40.83	-78.36	-57.22	8.38	11.77	V
Middle	3448	-58.97	-13	-45.97	-74.92	-65.82	5.65	12.50	H
	5172	-52.81	-13	-39.81	-73.08	-58.48	7.13	12.80	H
	6896	-55.04	-13	-42.04	-79.45	-58.44	8.40	11.80	H
	3448	-58.52	-13	-45.52	-74.51	-65.37	5.65	12.50	V
	5172	-51.86	-13	-38.86	-72.4	-57.53	7.13	12.80	V
	6896	-53.79	-13	-40.79	-78.68	-57.19	8.40	11.80	V
Highest	3473	-56.85	-13	-43.85	-72.94	-63.69	5.68	12.52	H
	5209.5	-50.95	-13	-37.95	-71.09	-56.62	7.15	12.82	H
	6946	-55.19	-13	-42.19	-79.98	-58.62	8.42	11.85	H
	3473	-56.57	-13	-43.57	-72.68	-63.41	5.68	12.52	V
	5209.5	-50.72	-13	-37.72	-71.11	-56.39	7.15	12.82	V
	6946	-54.76	-13	-41.76	-80.02	-58.19	8.42	11.85	V

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

EN-DC_48A_n66A / LTE 10MHz + NR 45MHz / QPSK (ANT5+4)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n66 Lowest	3422.28	-59.39	-13	-46.39	-75.88	-66.27	5.60	12.48	H
	5133.42	-57.87	-13	-44.87	-79.75	-63.55	7.10	12.78	H
	6844.56	-60.74	-13	-47.74	-65.08	-64.13	8.38	11.77	H
	3422.28	-59.79	-13	-46.79	-76.37	-66.67	5.60	12.48	V
	5133.42	-55.73	-13	-42.73	-77.83	-61.41	7.10	12.78	V
	6844.56	-60.15	-13	-47.15	-64.99	-63.54	8.38	11.77	V
LTE Band48 Lowest	7241.00	-59.46	-40	-19.46	-65.51	-62.76	8.30	11.60	H
	10861.50	-54.68	-40	-14.68	-68.10	-56.20	10.48	12.00	H
	14482.00	-49.70	-40	-9.70	-67.34	-51.40	11.80	13.50	H
	7241.00	-59.15	-40	-19.15	-65.51	-62.45	8.30	11.60	V
	10861.50	-54.63	-40	-14.63	-67.69	-56.15	10.48	12.00	V
	14482.00	-50.04	-40	-10.04	-67.09	-51.74	11.80	13.50	V
NR n66 Middle	3446.68	-61.13	-13	-48.13	-77.90	-67.98	5.65	12.50	H
	5170.02	-59.67	-13	-46.67	-81.50	-65.34	7.13	12.80	H
	6893.36	-60.37	-13	-47.37	-65.09	-63.77	8.40	11.80	H
	3446.68	-60.14	-13	-47.14	-76.95	-66.99	5.65	12.50	V
	5170.02	-57.52	-13	-44.52	-79.62	-63.19	7.13	12.80	V
	6893.36	-60.51	-13	-47.51	-65.71	-63.91	8.40	11.80	V
LTE Band48 Middle	7241.00	-59.10	-40	-19.10	-65.15	-62.40	8.30	11.60	H
	10861.50	-52.15	-40	-12.15	-65.57	-53.67	10.48	12.00	H
	14482.00	-49.19	-40	-9.19	-66.83	-50.89	11.80	13.50	H
	7241.00	-55.84	-40	-15.84	-62.2	-59.14	8.30	11.60	V
	10861.50	-54.64	-40	-14.64	-67.7	-56.16	10.48	12.00	V
	14482.00	-50.37	-40	-10.37	-67.42	-52.07	11.80	13.50	V
NR n66 Highest	3471.74	-60.89	-13	-47.89	-77.79	-67.73	5.68	12.52	H
	5207.61	-59.20	-13	-46.20	-80.93	-64.87	7.15	12.82	H
	6943.48	-59.91	-13	-46.91	-65.00	-63.34	8.42	11.85	H
	3471.74	-59.77	-13	-46.77	-76.69	-66.61	5.68	12.52	V
	5207.61	-56.31	-13	-43.31	-78.29	-61.98	7.15	12.82	V
	6943.48	-60.03	-13	-47.03	-65.59	-63.46	8.42	11.85	V
LTE Band48 Highest	7241.00	-58.92	-40	-18.92	-64.97	-62.22	8.30	11.60	H
	10861.50	-54.31	-40	-14.31	-67.73	-55.83	10.48	12.00	H
	14482.00	-49.73	-40	-9.73	-67.37	-51.43	11.80	13.50	H
	7241.00	-59.04	-40	-19.04	-65.4	-62.34	8.30	11.60	V
	10861.50	-54.92	-40	-14.92	-67.98	-56.44	10.48	12.00	V
	14482.00	-50.33	-40	-10.33	-67.38	-52.03	11.80	13.50	V

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

5G NR n70 / NR 10MHz / QPSK (ANT0)									
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	3392	-58.37	-13	-45.37	-73.88	-65.25	5.60	12.48	H
	5088	-53.37	-13	-40.37	-73.85	-59.05	7.10	12.78	H
	6784	-55.75	-13	-42.75	-79.38	-59.14	8.38	11.77	H
	3392	-57.26	-13	-44.26	-72.89	-64.14	5.60	12.48	V
	5088	-48.77	-13	-35.77	-69.41	-54.45	7.10	12.78	V
	6784	-53.21	-13	-40.21	-77.38	-56.60	8.38	11.77	V
Middle	3396	-56.17	-13	-43.17	-71.68	-63.02	5.65	12.50	H
	5094	-53.43	-13	-40.43	-73.87	-59.10	7.13	12.80	H
	6792	-55.97	-13	-42.97	-79.61	-59.37	8.40	11.80	H
	3396	-56.25	-13	-43.25	-71.88	-63.10	5.65	12.50	V
	5094	-48.63	-13	-35.63	-69.25	-54.30	7.13	12.80	V
	6792	-53.30	-13	-40.30	-77.46	-56.70	8.40	11.80	V
Highest	3402	-54.48	-13	-41.48	-69.99	-61.32	5.68	12.52	H
	5103	-51.48	-13	-38.48	-71.92	-57.15	7.15	12.82	H
	6804	-55.54	-13	-42.54	-79.18	-58.97	8.42	11.85	H
	3402	-55.31	-13	-42.31	-70.94	-62.15	5.68	12.52	V
	5103	-47.35	-13	-34.35	-67.97	-53.02	7.15	12.82	V
	6804	-53.26	-13	-40.26	-77.42	-56.69	8.42	11.85	V

5G NR n70 / NR 15MHz / QPSK (ANT0)									
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	3392	-58.33	-13	-45.33	-73.84	-65.18	5.65	12.50	H
	5088	-52.63	-13	-39.63	-73.11	-58.30	7.13	12.80	H
	6784	-55.93	-13	-42.93	-79.56	-59.33	8.40	11.80	H
	3392	-56.50	-13	-43.50	-72.13	-63.35	5.65	12.50	V
	5088	-48.30	-13	-35.30	-68.94	-53.97	7.13	12.80	V
	6784	-53.64	-13	-40.64	-77.81	-57.04	8.40	11.80	V

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