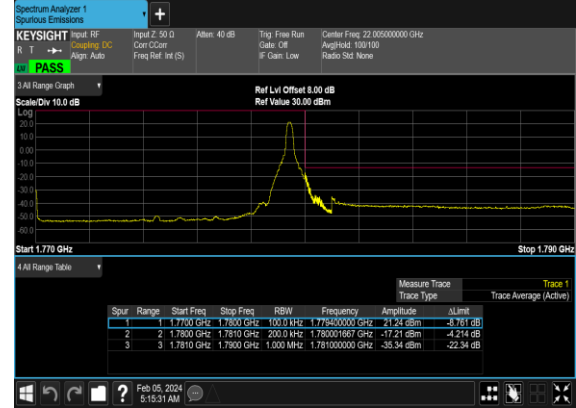


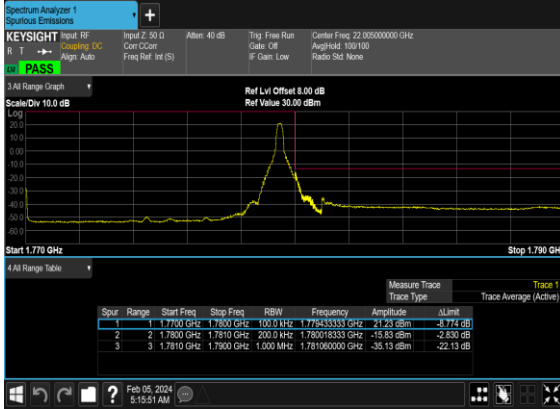
B48\_N66(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



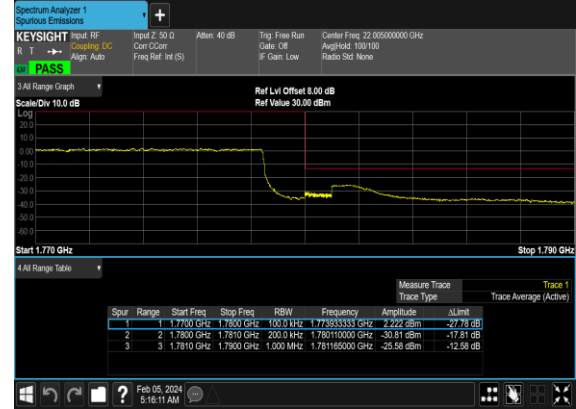
B48\_N66(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



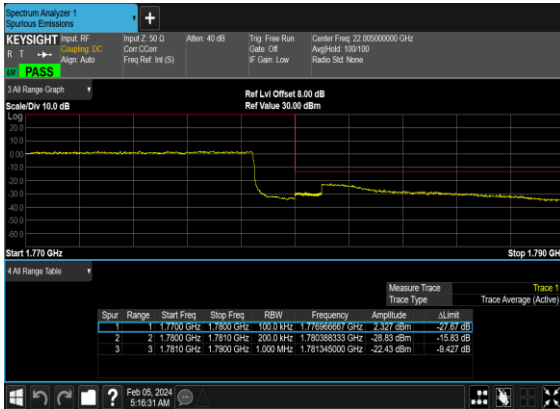
B48\_N66(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



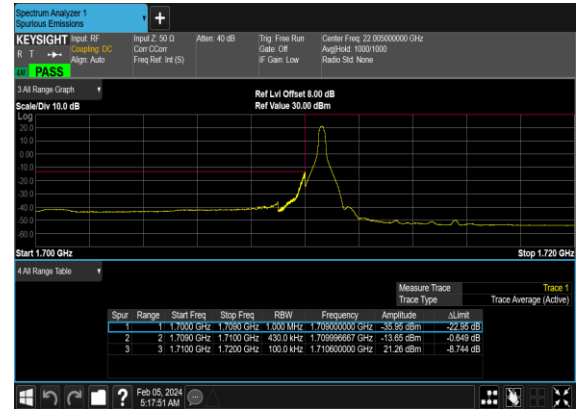
B48\_N66(20M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



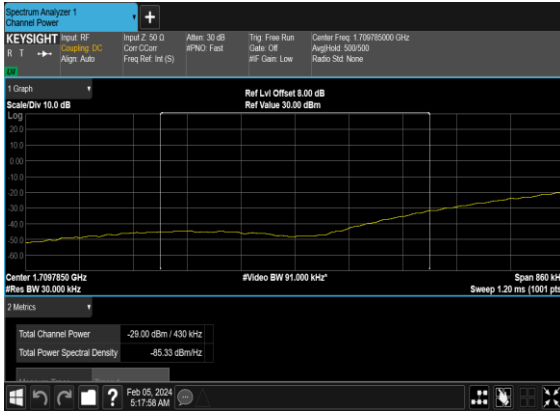
B48\_N66(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



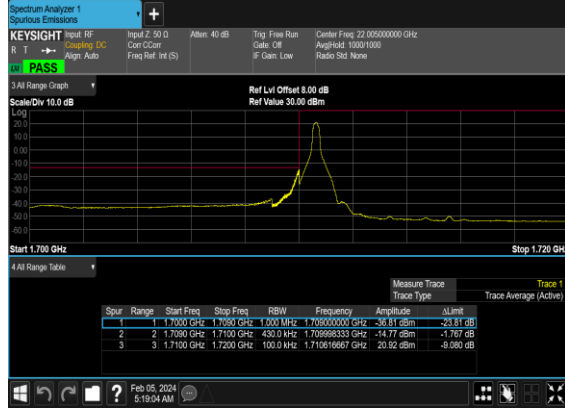
B48\_N66(40M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



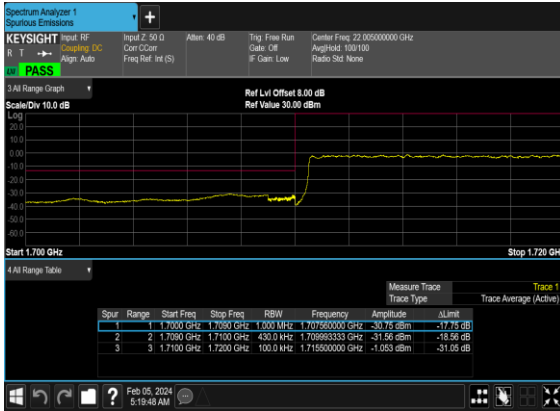
B48\_N66(40M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH\_CHP  
PASS



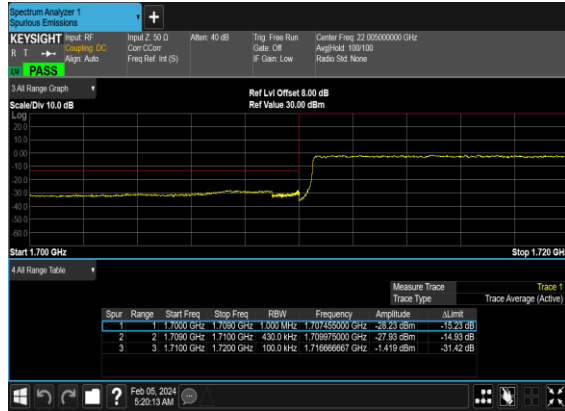
B48\_N66(40M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



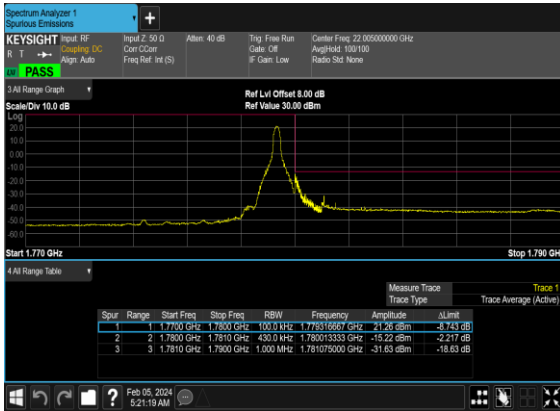
B48\_N66(40M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Low\_CH



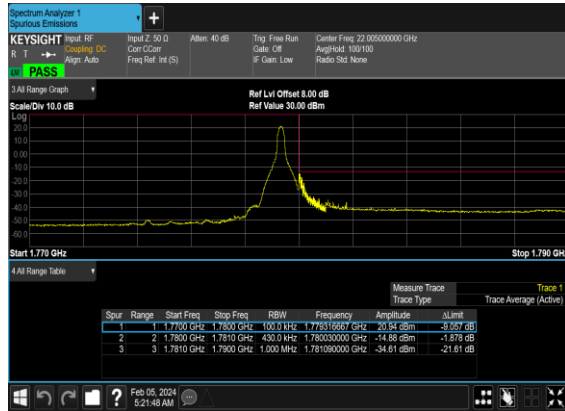
B48\_N66(40M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH



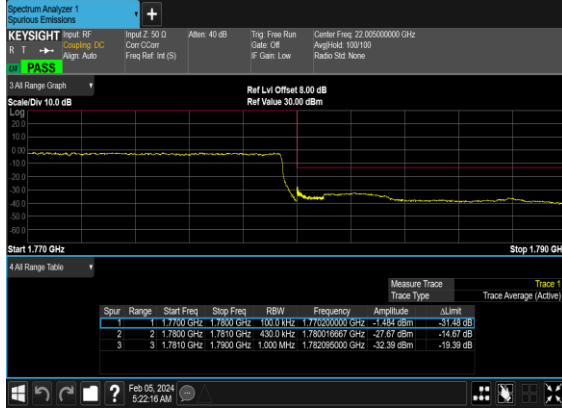
B48\_N66(40M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



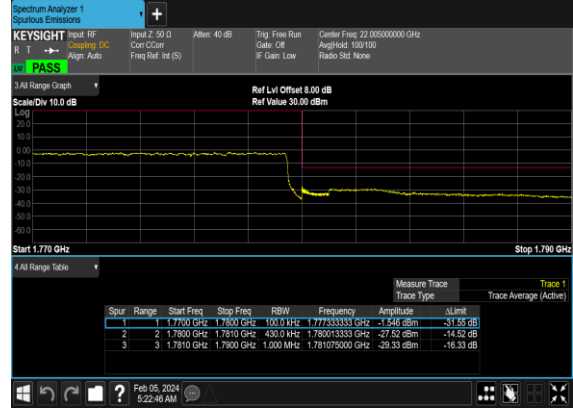
B48\_N66(40M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



### B48\_N66(40M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



### B48\_N66(40M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



# FR1 N70 (ANT0)

## Transmitter Conducted Output Power And EIRP, (G<sub>T</sub> - L<sub>C</sub>)=-2dB

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	22.89	20.89	0.1227
70	15	5	339500	1697.5	DFT-s-OFDM 16 QAM	1@1	22.52	20.52	0.1127
70	15	5	340500	1702.5	DFT-s-OFDM QPSK	1@1	22.61	20.61	0.1151
70	15	5	340500	1702.5	DFT-s-OFDM 16 QAM	1@1	22.34	20.34	0.1081
70	15	5	341500	1707.5	DFT-s-OFDM QPSK	1@1	22.61	20.61	0.1151
70	15	5	341500	1707.5	DFT-s-OFDM 16 QAM	1@1	22.24	20.24	0.1057
70	15	10	340000	1700	DFT-s-OFDM QPSK	1@1	22.91	20.91	0.1233
70	15	10	340000	1700	DFT-s-OFDM 16 QAM	1@1	22.58	20.58	0.1143
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	1@1	22.79	20.79	0.1199
70	15	10	340500	1702.5	DFT-s-OFDM 16 QAM	1@1	22.5	20.5	0.1122
70	15	10	341000	1705	DFT-s-OFDM QPSK	1@1	22.59	20.59	0.1146
70	15	10	341000	1705	DFT-s-OFDM 16 QAM	1@1	22.31	20.31	0.1074
70	15	15	340500	1702.5	DFT-s-OFDM PI/2 BPSK	36@18	22.74	20.74	0.1186
70	15	15	340500	1702.5	DFT-s-OFDM PI/2 BPSK	1@1	22.94	20.94	0.1242
70	15	15	340500	1702.5	DFT-s-OFDM PI/2 BPSK	1@77	22.52	20.52	0.1127
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	36@18	22.78	20.78	0.1197
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	1@1	23.07	21.07	0.1279
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	1@77	22.51	20.51	0.1125
70	15	15	340500	1702.5	DFT-s-OFDM 16 QAM	36@18	22.26	20.26	0.1062
70	15	15	340500	1702.5	DFT-s-OFDM 16 QAM	1@1	22.67	20.67	0.1167
70	15	15	340500	1702.5	DFT-s-OFDM 16 QAM	1@77	22.3	20.3	0.1072
70	15	15	340500	1702.5	DFT-s-OFDM 64 QAM	36@18	21.45	19.45	0.0881
70	15	15	340500	1702.5	DFT-s-OFDM 64 QAM	1@1	21.9	19.9	0.0977
70	15	15	340500	1702.5	DFT-s-OFDM 64 QAM	1@77	21.46	19.46	0.0883
70	15	15	340500	1702.5	DFT-s-OFDM 256 QAM	36@18	19.45	17.45	0.0556
70	15	15	340500	1702.5	DFT-s-OFDM 256 QAM	1@1	19.35	17.35	0.0543
70	15	15	340500	1702.5	DFT-s-OFDM 256 QAM	1@77	18.99	16.99	0.0500
70	15	15	340500	1702.5	CP-OFDM QPSK	39@19	22.41	20.41	0.1099
70	15	15	340500	1702.5	CP-OFDM QPSK	1@1	22.68	20.68	0.1169
70	15	15	340500	1702.5	CP-OFDM QPSK	1@77	22.34	20.34	0.1081

## 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	0.0027	PASS	NV
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	0.0046	PASS	LV
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	0.0060	PASS	HV
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	0.0033	PASS	-30°C
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	0.0031	PASS	-20°C
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	0.0050	PASS	-10°C
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	0.0024	PASS	0°C
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	0.0063	PASS	10°C
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	0.0027	PASS	20°C
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	0.0027	PASS	30°C
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	0.0064	PASS	40°C
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	0.0064	PASS	50°C

# 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	4.4	13	PASS
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	5.35	13	PASS

N70(10M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Mid\_CH



N70(10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



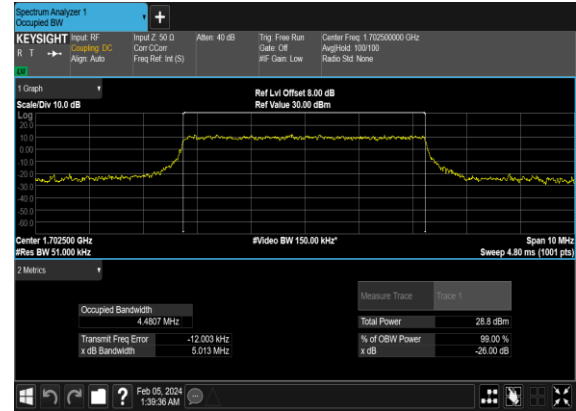
## Occupied Bandwidth

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	4.4678	5.115
70	15	5	340500	1702.5	CP-OFDM 16 QAM	25@0	4.4807	5.013
70	15	5	340500	1702.5	CP-OFDM 64 QAM	25@0	4.4752	5.112
70	15	5	340500	1702.5	CP-OFDM 256 QAM	25@0	4.4858	5.109
70	15	10	340500	1702.5	CP-OFDM QPSK	52@0	9.2842	9.924
70	15	10	340500	1702.5	CP-OFDM 16 QAM	52@0	9.3026	10.05
70	15	10	340500	1702.5	CP-OFDM 64 QAM	52@0	9.2791	10.01
70	15	10	340500	1702.5	CP-OFDM 256 QAM	52@0	9.2946	10.11
70	15	15	340500	1702.5	CP-OFDM QPSK	79@0	14.097	14.81
70	15	15	340500	1702.5	CP-OFDM 16 QAM	79@0	14.09	14.83
70	15	15	340500	1702.5	CP-OFDM 64 QAM	79@0	14.113	14.88
70	15	15	340500	1702.5	CP-OFDM 256 QAM	79@0	14.078	14.85

### N70(5M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



### N70(5M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



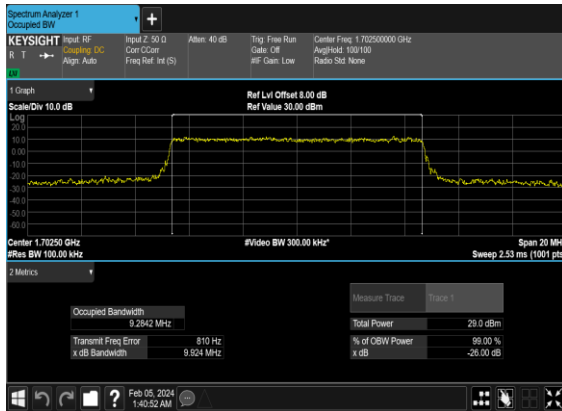
### N70(5M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH



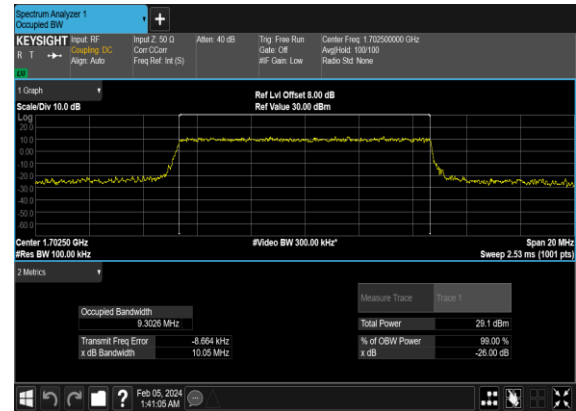
### N70(5M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH



### N70(10M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH

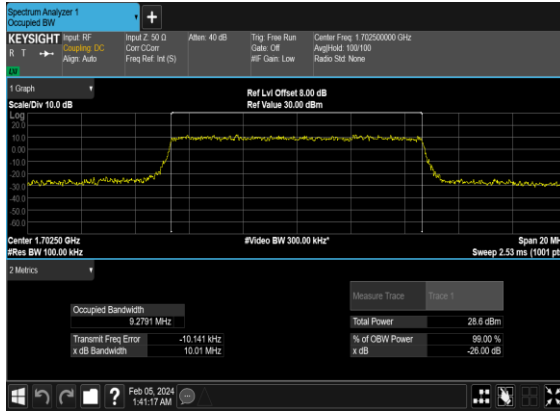


### N70(10M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH

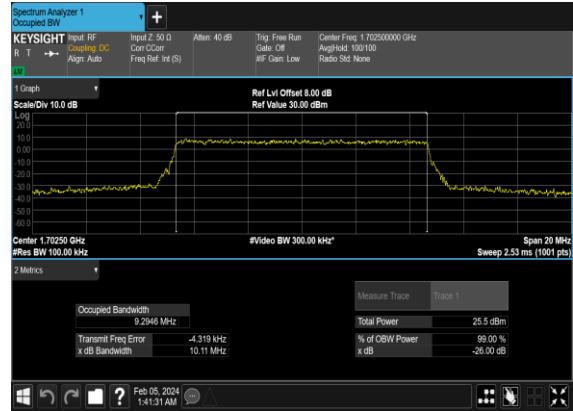




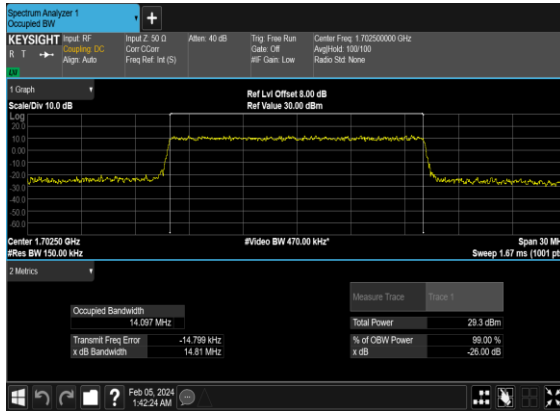
### N70(10M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



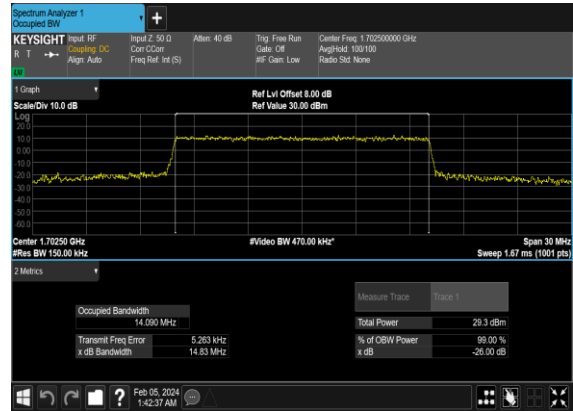
### N70(10M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH



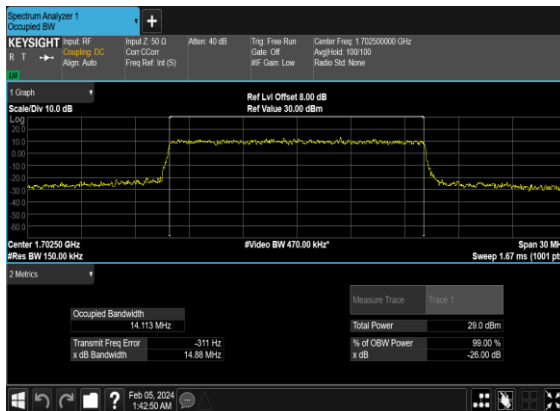
### N70(15M)\_CP- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



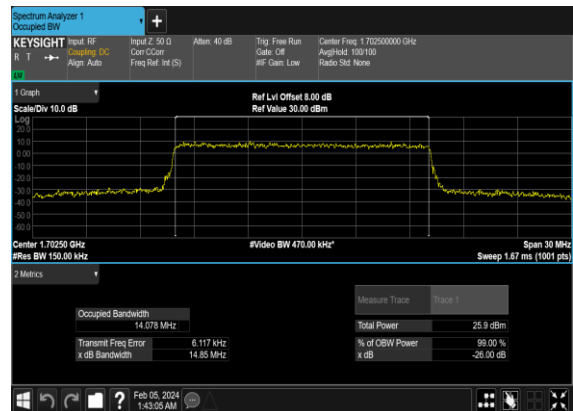
### N70(15M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



### N70(15M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



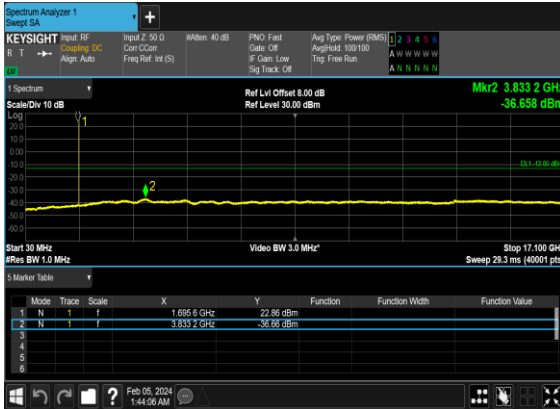
### N70(15M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH



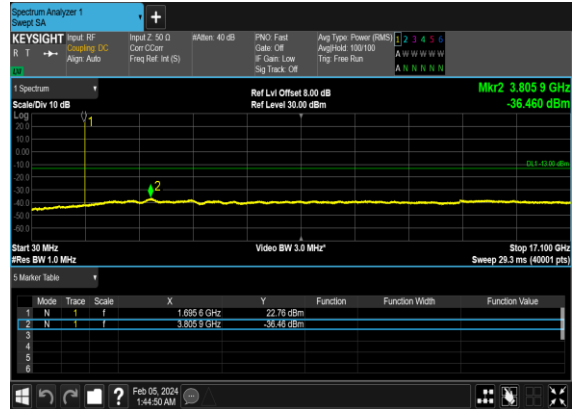
## Conducted Spurious Emissions

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



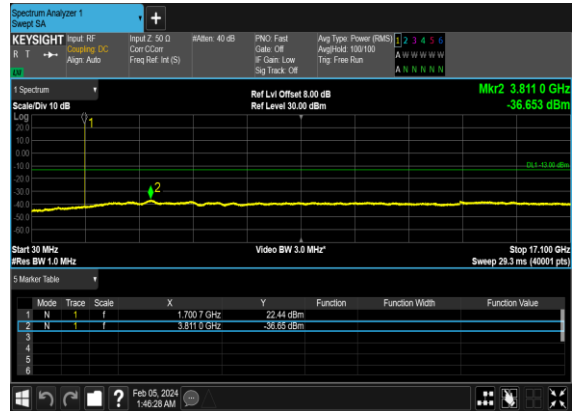
### N70(5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



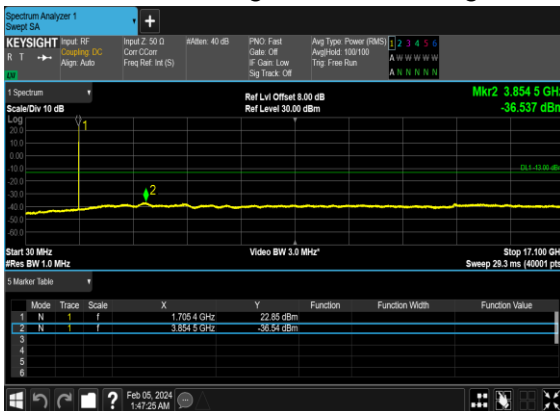
### N70(5M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



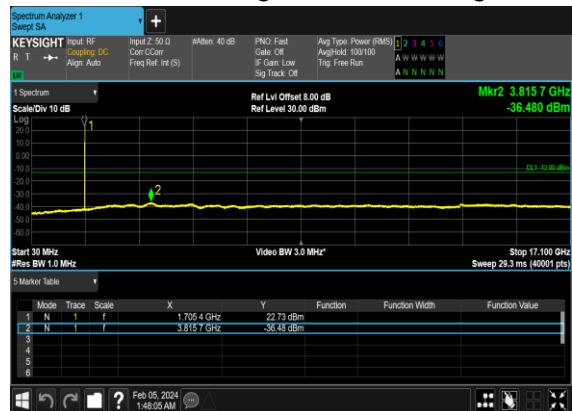
### N70(5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



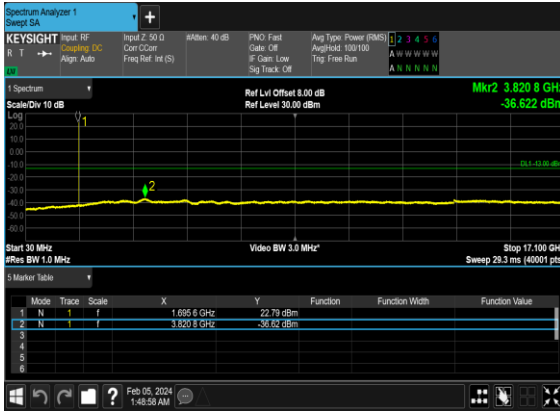
### N70(5M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



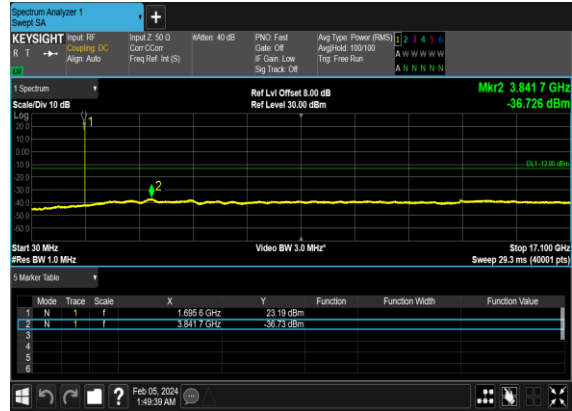
### N70(5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



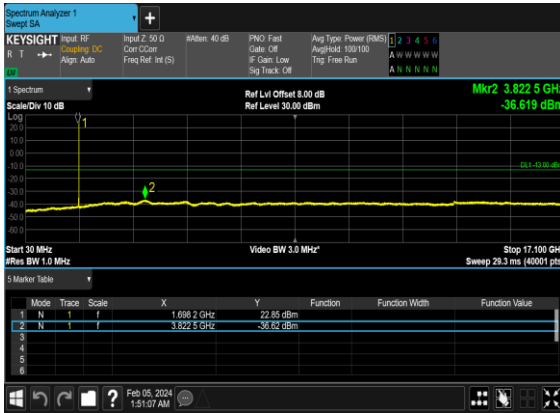
N70(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



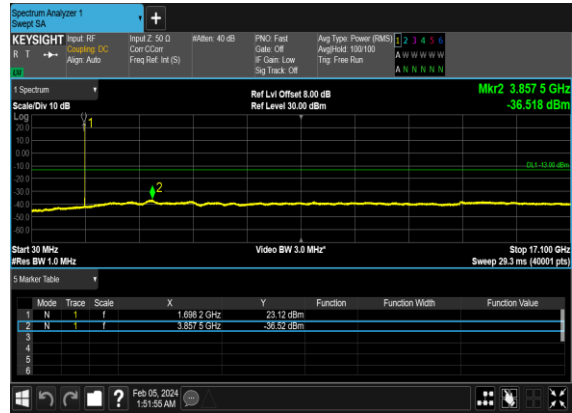
N70(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



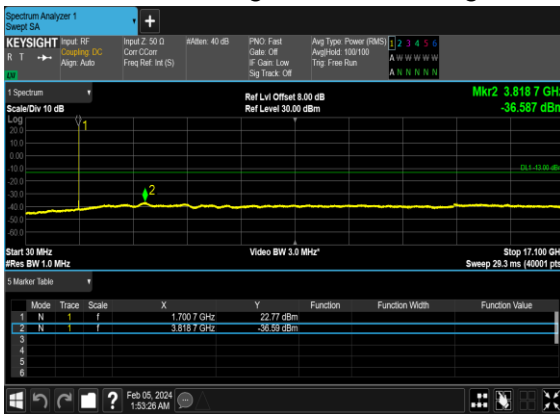
N70(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



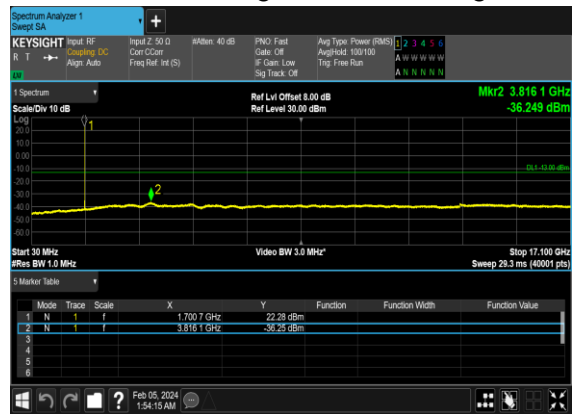
N70(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



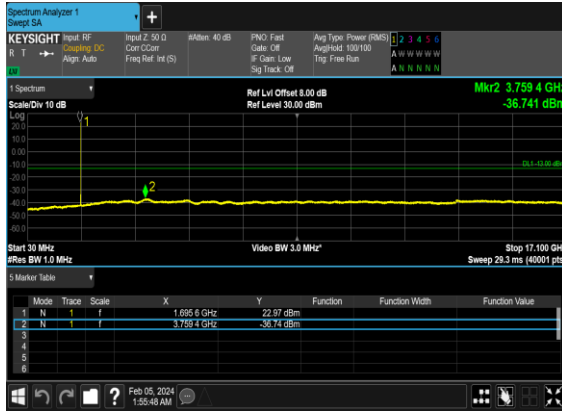
N70(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



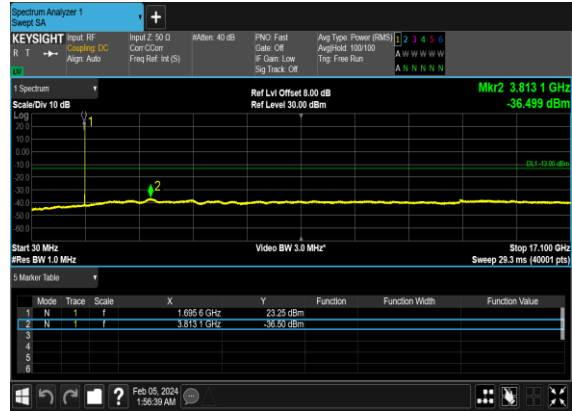
N70(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



## N70(15M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



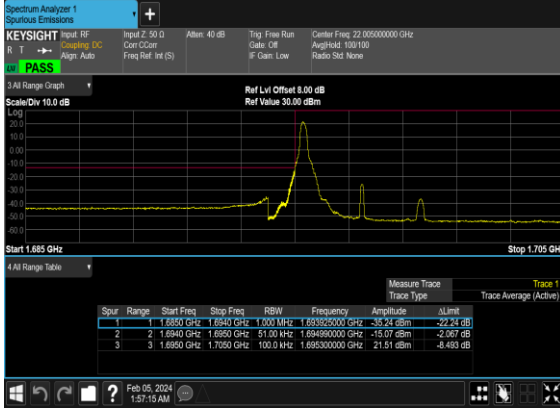
## N70(15M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



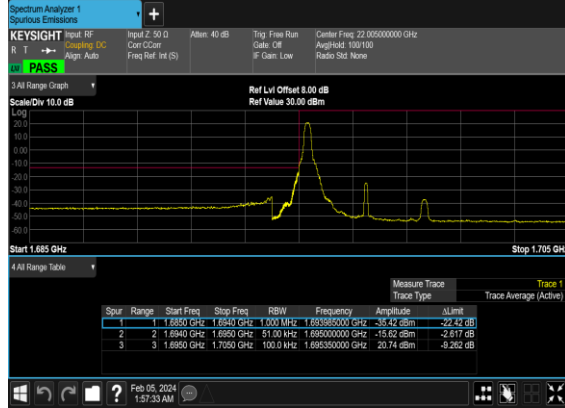
## Conducted Band Edge

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

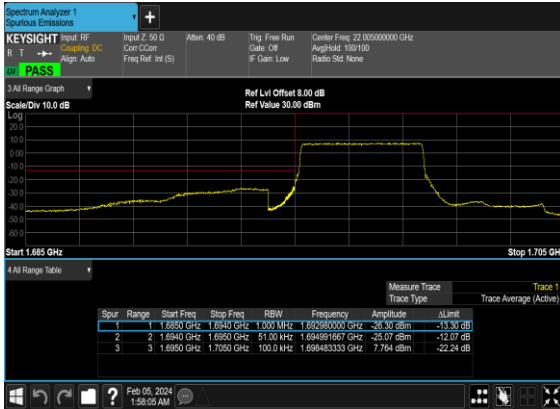
N70(5M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



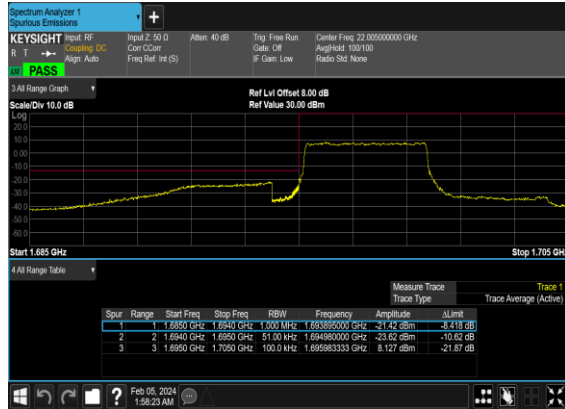
N70(5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



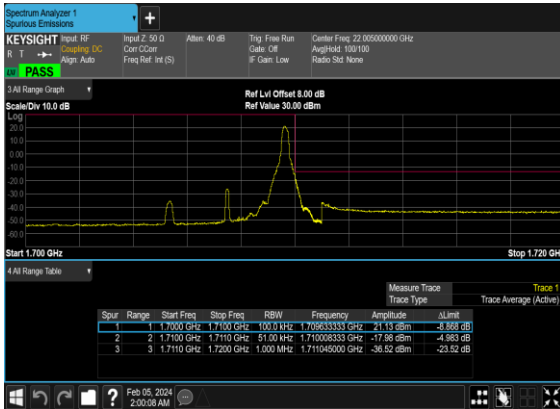
N70(5M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



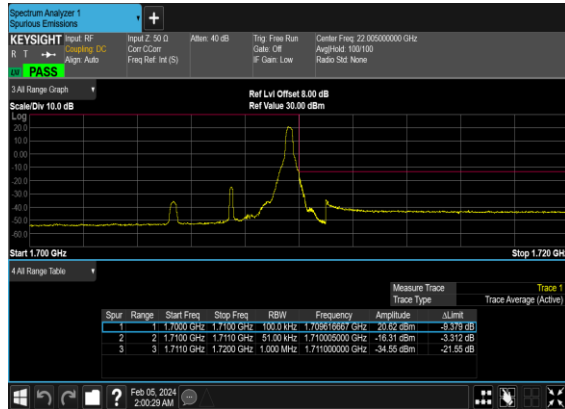
N70(5M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



N70(5M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



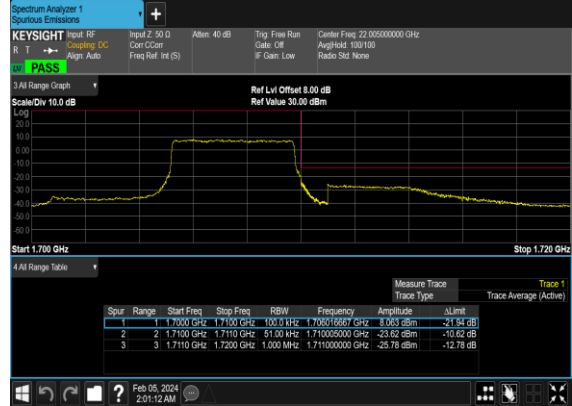
N70(5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



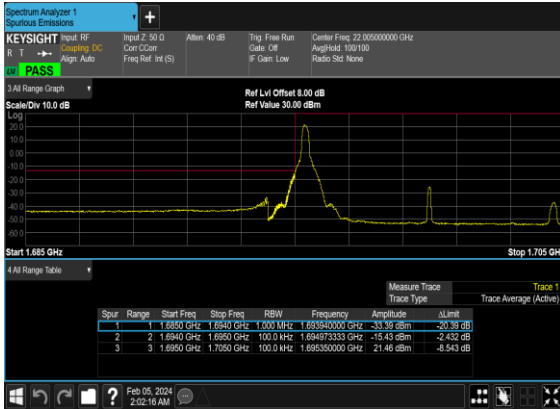
N70(5M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



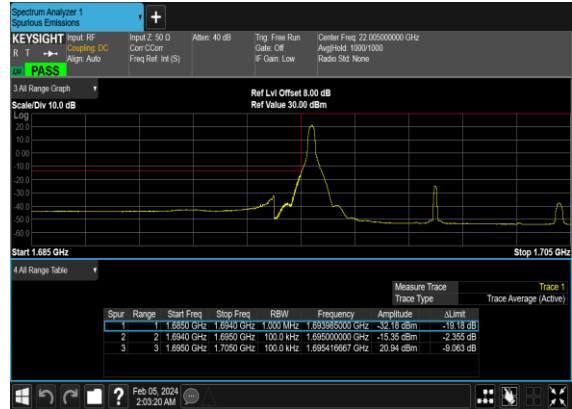
N70(5M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



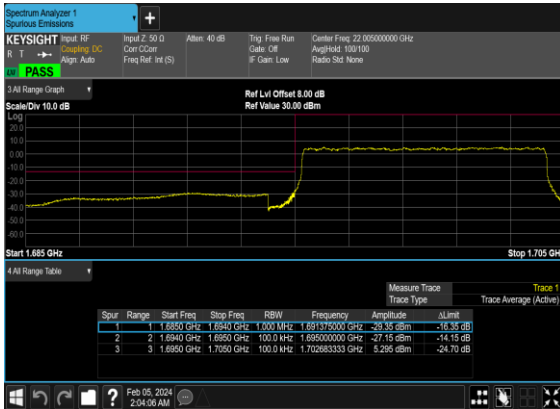
N70(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



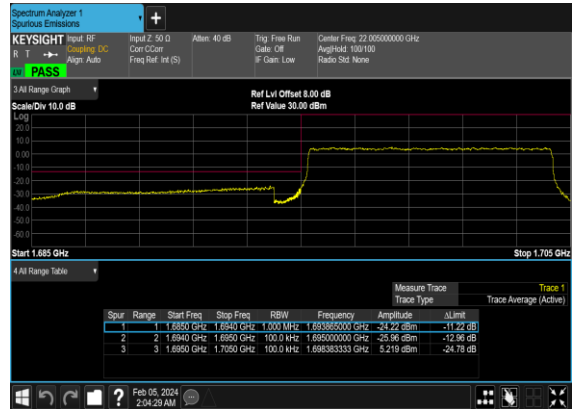
N70(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N70(10M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



N70(10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH

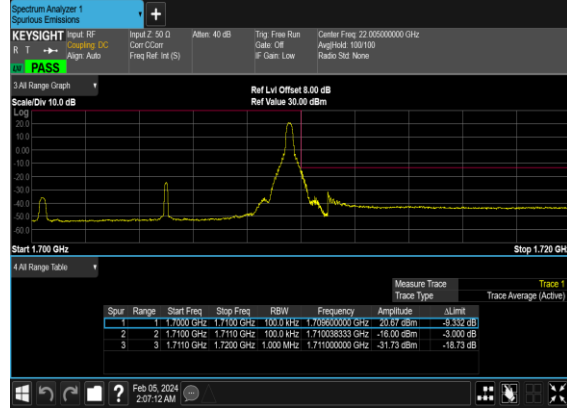




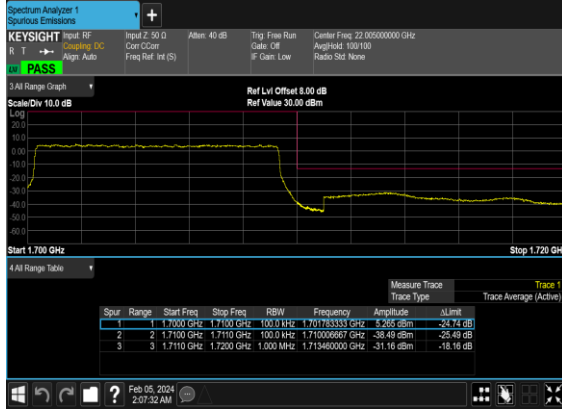
N70(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



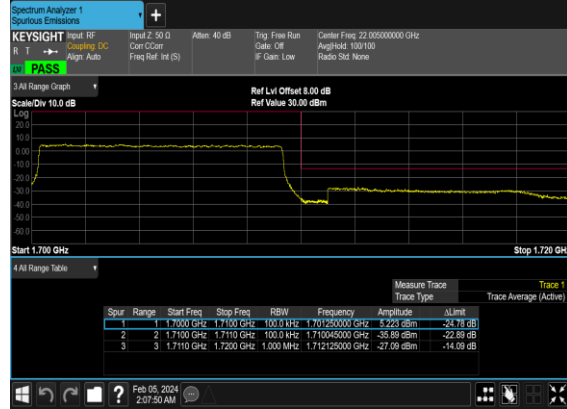
N70(10M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



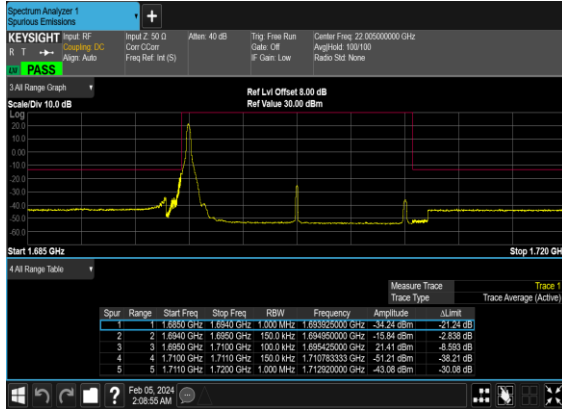
N70(10M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_High\_CH



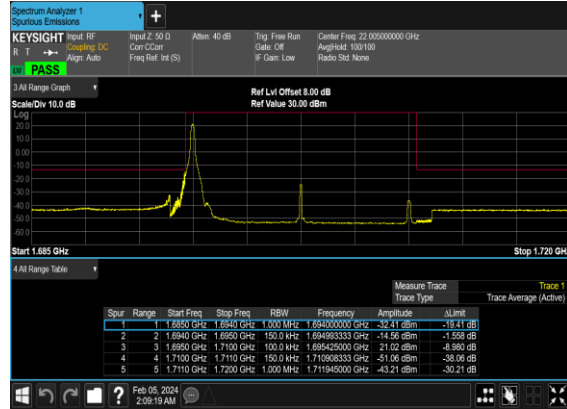
N70(10M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_High\_CH



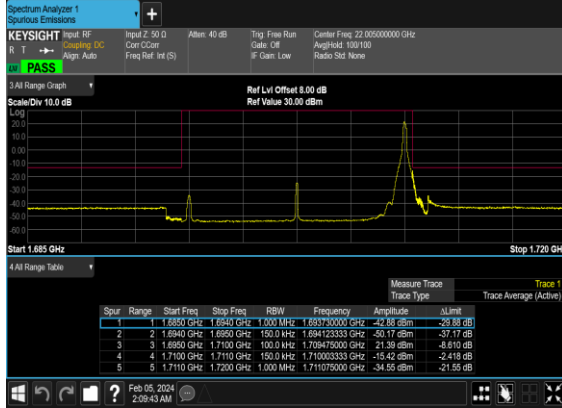
N70(15M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



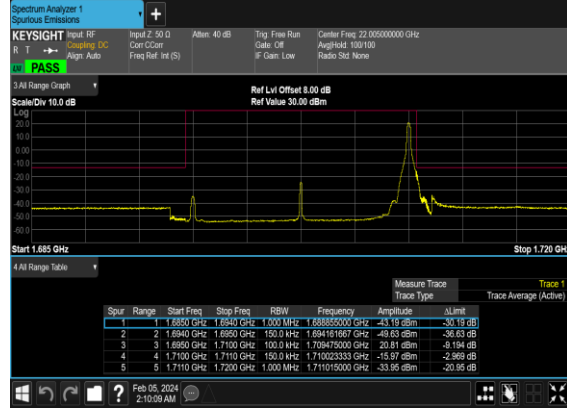
N70(15M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



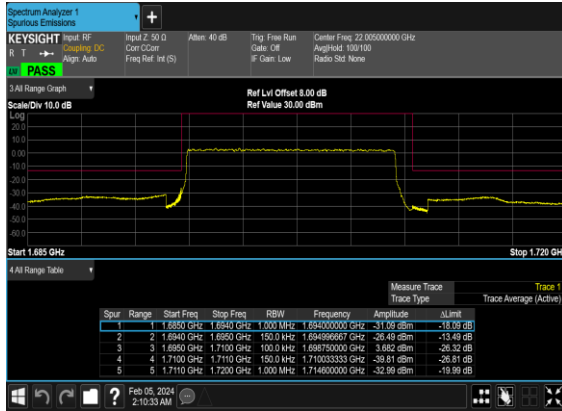
### N70(15M)\_DFT-s- OFDM\_BPSK\_Edge\_1RB\_Right\_Mid\_CH



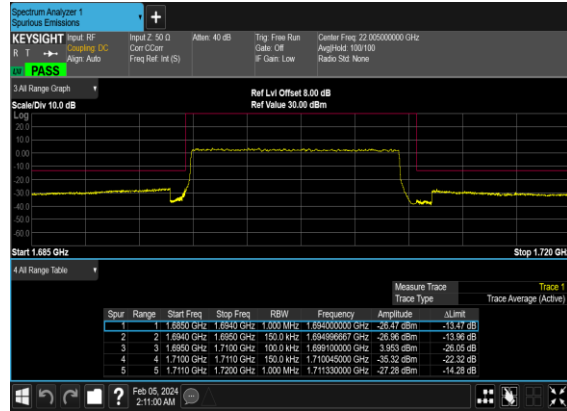
### N70(15M)\_DFT-s- OFDM\_QPSK\_Edge\_1RB\_Right\_Mid\_CH



### 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 :	Qingsheng He	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.

n7 SA / NR 40MHz / QPSK(ANT9)									
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	5012.00	-63.40	-25	-38.40	-80.78	-68.96	7.12	12.68	H
	7518.00	-56.62	-25	-31.62	-78.93	-59.95	8.26	11.59	H
	10024.00	-52.02	-25	-27.02	-79.15	-53.55	10.45	11.98	H
	5012.00	-63.74	-25	-38.74	-81.04	-69.30	7.12	12.68	V
	7518.00	-56.66	-25	-31.66	-78.86	-59.99	8.26	11.59	V
	10024.00	-52.94	-25	-27.94	-79.48	-54.47	10.45	11.98	V
Middle	5032.00	-63.47	-25	-38.47	-80.87	-69.03	7.14	12.70	H
	7548.00	-56.11	-25	-31.11	-78.36	-59.41	8.30	11.60	H
	10064.00	-52.70	-25	-27.70	-79.80	-54.22	10.48	12.00	H
	5032.00	-63.76	-25	-38.76	-81.08	-69.32	7.14	12.70	V
	7548.00	-53.98	-25	-28.98	-76.07	-57.28	8.30	11.60	V
	10064.00	-52.99	-25	-27.99	-79.56	-54.51	10.48	12.00	V
Highest	5052.00	-63.56	-25	-38.56	-80.98	-69.12	7.16	12.72	H
	7578.00	-55.91	-25	-30.91	-78.10	-59.21	8.33	11.63	H
	10104.00	-52.27	-25	-27.27	-79.36	-53.87	10.50	12.10	H
	5052.00	-63.52	-25	-38.52	-80.87	-69.08	7.16	12.72	V
	7578.00	-54.28	-25	-29.28	-76.27	-57.58	8.33	11.63	V
	10104.00	-53.11	-25	-28.11	-79.71	-54.71	10.50	12.10	V



EN-DC_2A_n7A / LTE 20MHz + NR 40MHz / QPSK (ANT1+9)									
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 n7 Lowest	5012.00	-64.45	-25	-39.45	-81.83	-70.01	7.12	12.68	H
	7518.00	-56.82	-25	-31.82	-79.13	-60.15	8.26	11.59	H
	10024.00	-52.65	-25	-27.65	-79.78	-54.18	10.45	11.98	H
	5012.00	-64.17	-25	-39.17	-81.47	-69.73	7.12	12.68	V
	7518.00	-55.14	-25	-30.14	-77.34	-58.47	8.26	11.59	V
	10024.00	-52.91	-25	-27.91	-79.45	-54.44	10.45	11.98	V
LTE Band2 Lowest	3751.18	-64.13	-13	-51.13	-78.77	-70.88	5.85	12.60	H
	5626.77	-55.18	-13	-42.18	-72.91	-60.98	7.30	13.10	H
	7502	-56.93	-13	-43.93	-79.26	-60.08	8.35	11.50	H
	3751.18	-63.46	-13	-50.46	-78.3	-70.21	5.85	12.60	V
	5626.77	-52.17	-13	-39.17	-69.81	-57.97	7.30	13.10	V
	7502	-57.16	-13	-44.16	-79.4	-60.31	8.35	11.50	V
NR n7 Middle	5032.00	-64.45	-25	-39.45	-81.85	-70.01	7.14	12.70	H
	7548.00	-56.72	-25	-31.72	-78.97	-60.02	8.30	11.60	H
	10064.00	-52.94	-25	-27.94	-80.04	-54.46	10.48	12.00	H
	5032.00	-64.17	-25	-39.17	-81.49	-69.73	7.14	12.70	V
	7548.00	-54.85	-25	-29.85	-76.94	-58.15	8.30	11.60	V
	10064.00	-53.45	-25	-28.45	-80.02	-54.97	10.48	12.00	V
LTE Band2 Middle	3751.18	-64.13	-13	-51.13	-78.77	-70.88	5.85	12.60	H
	5626.77	-54.18	-13	-41.18	-71.91	-59.98	7.30	13.10	H
	7502	-56.93	-13	-43.93	-79.26	-60.08	8.35	11.50	H
	3751.18	-63.46	-13	-50.46	-78.3	-70.21	5.85	12.60	V
	5626.77	-52.19	-13	-39.19	-69.83	-57.99	7.30	13.10	V
	7502	-57.16	-13	-44.16	-79.4	-60.31	8.35	11.50	V
NR n7 Highest	5052.00	-64.31	-25	-39.31	-81.73	-69.87	7.16	12.72	H
	7578.00	-56.36	-25	-31.36	-78.55	-59.66	8.33	11.63	H
	10104.00	-52.54	-25	-27.54	-79.63	-54.14	10.50	12.10	H
	5052.00	-64.32	-25	-39.32	-81.67	-69.88	7.16	12.72	V
	7578.00	-54.63	-25	-29.63	-76.62	-57.93	8.33	11.63	V
	10104.00	-53.04	-25	-28.04	-79.64	-54.64	10.50	12.10	V
LTE Band2 Highest	3751.18	-64.42	-13	-51.42	-79.06	-71.17	5.85	12.60	H
	5626.77	-54.05	-13	-41.05	-71.78	-59.85	7.30	13.10	H
	7502	-56.75	-13	-43.75	-79.08	-59.90	8.35	11.50	H
	3751.18	-64.07	-13	-51.07	-78.91	-70.82	5.85	12.60	V
	5626.77	-51.88	-13	-38.88	-69.52	-57.68	7.30	13.10	V
	7502	-56.95	-13	-43.95	-79.19	-60.10	8.35	11.50	V



n41 SA / NR 100MHz / QPSK(ANT9)									
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	4994.80	-62.86	-25	-37.86	-80.24	-68.42	7.12	12.68	H
	7492.20	-56.44	-25	-31.44	-78.80	-59.77	8.26	11.59	H
	9989.60	-52.29	-25	-27.29	-79.40	-53.82	10.45	11.98	H
	4994.80	-62.91	-25	-37.91	-80.21	-68.47	7.12	12.68	V
	7492.20	-55.76	-25	-30.76	-78.04	-59.09	8.26	11.59	V
	9989.60	-52.89	-25	-27.89	-79.41	-54.42	10.45	11.98	V
Middle	5089.00	-62.95	-25	-37.95	-80.40	-68.51	7.14	12.70	H
	7633.50	-54.37	-25	-29.37	-76.63	-57.67	8.30	11.60	H
	10178.00	-52.23	-25	-27.23	-79.29	-53.75	10.48	12.00	H
	5089.00	-63.15	-25	-38.15	-80.53	-68.71	7.14	12.70	V
	7633.50	-51.36	-25	-26.36	-73.43	-54.66	8.30	11.60	V
	10178.00	-53.15	-25	-28.15	-79.8	-54.67	10.48	12.00	V
Highest	5182.80	-62.86	-25	-37.86	-80.40	-68.42	7.16	12.72	H
	7774.20	-50.90	-25	-25.90	-73.65	-54.20	8.33	11.63	H
	10365.60	-52.24	-25	-27.24	-79.24	-53.84	10.50	12.10	H
	5182.80	-62.87	-25	-37.87	-80.36	-68.43	7.16	12.72	V
	7774.20	-46.53	-25	-21.53	-69.27	-49.83	8.33	11.63	V
	10365.60	-52.30	-25	-27.30	-79.1	-53.90	10.50	12.10	V



EN-DC 25A_n41A / LTE 20MHz + NR 100MHz / QPSK (ANT1+9)									
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 n41 Lowest	4994.80	-63.83	-25	-38.83	-81.21	-69.39	7.12	12.68	H
	7492.20	-56.93	-25	-31.93	-79.29	-60.26	8.26	11.59	H
	9989.60	-52.66	-25	-27.66	-79.77	-54.19	10.45	11.98	H
	4994.80	-64.03	-25	-39.03	-81.33	-69.59	7.12	12.68	V
	7492.20	-57.16	-25	-32.16	-79.44	-60.49	8.26	11.59	V
	9989.60	-53.09	-25	-28.09	-79.61	-54.62	10.45	11.98	V
LTE Band25 Lowest	3756	-64.13	-13	-51.13	-78.77	-70.88	5.85	12.60	H
	5634	-55.51	-13	-42.51	-73.25	-61.31	7.30	13.10	H
	7512	-57.23	-13	-44.23	-79.53	-60.38	8.35	11.50	H
	3756	-63.46	-13	-50.46	-78.29	-70.21	5.85	12.60	V
	5634	-52.24	-13	-39.24	-69.88	-58.04	7.30	13.10	V
	7512	-57.14	-13	-44.14	-79.33	-60.29	8.35	11.50	V
NR n41 Middle	5089.00	-64.03	-25	-39.03	-81.48	-69.59	7.14	12.70	H
	7633.50	-55.56	-25	-30.56	-77.82	-58.86	8.30	11.60	H
	10178.00	-52.79	-25	-27.79	-79.85	-54.31	10.48	12.00	H
	5089.00	-63.68	-25	-38.68	-81.06	-69.24	7.14	12.70	V
	7633.50	-53.67	-25	-28.67	-75.74	-56.97	8.30	11.60	V
	10178.00	-53.28	-25	-28.28	-79.93	-54.80	10.48	12.00	V
LTE Band25 Middle	3756	-64.62	-13	-51.62	-79.26	-71.37	5.85	12.60	H
	5634	-55.46	-13	-42.46	-73.20	-61.26	7.30	13.10	H
	7512	-57.17	-13	-44.17	-79.47	-60.32	8.35	11.50	H
	3756	-64.15	-13	-51.15	-78.98	-70.90	5.85	12.60	V
	5634	-52.23	-13	-39.23	-69.87	-58.03	7.30	13.10	V
	7512	-57.09	-13	-44.09	-79.28	-60.24	8.35	11.50	V
NR n41 Highest	5182.80	-63.65	-25	-38.65	-81.19	-69.21	7.16	12.72	H
	7774.20	-52.33	-25	-27.33	-75.08	-55.63	8.33	11.63	H
	10365.60	-52.35	-25	-27.35	-79.35	-53.95	10.50	12.10	H
	5182.80	-63.62	-25	-38.62	-81.11	-69.18	7.16	12.72	V
	7774.20	-49.40	-25	-24.40	-72.14	-52.70	8.33	11.63	V
	10365.60	-52.26	-25	-27.26	-79.06	-53.86	10.50	12.10	V
LTE Band25 Highest	3756	-64.42	-13	-51.42	-79.06	-71.17	5.85	12.60	H
	5634	-54.14	-13	-41.14	-71.88	-59.94	7.30	13.10	H
	7512	-56.75	-13	-43.75	-79.05	-59.90	8.35	11.50	H
	3756	-64.07	-13	-51.07	-78.9	-70.82	5.85	12.60	V
	5634	-52.11	-13	-39.11	-69.75	-57.91	7.30	13.10	V
	7512	-56.95	-13	-43.95	-79.14	-60.10	8.35	11.50	V



SA n41UL MIMO / NR 100MHz(ANT9+1) / QPSK									
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	4994.80	-63.41	-25	-38.41	-80.79	-68.97	7.12	12.68	H
	7492.20	-50.33	-25	-25.33	-72.69	-53.66	8.26	11.59	H
	9989.60	-52.79	-25	-27.79	-79.90	-54.32	10.45	11.98	H
	4994.80	-63.63	-25	-38.63	-80.93	-69.19	7.12	12.68	V
	7492.20	-43.78	-25	-18.78	-66.06	-47.11	8.26	11.59	V
	9989.60	-53.09	-25	-28.09	-79.61	-54.62	10.45	11.98	V
Middle	5089.00	-63.75	-25	-38.75	-81.20	-69.31	7.14	12.70	H
	7633.50	-46.24	-25	-21.24	-68.50	-49.54	8.30	11.60	H
	10178.00	-52.98	-25	-27.98	-80.04	-54.50	10.48	12.00	H
	5089.00	-63.88	-25	-38.88	-81.26	-69.44	7.14	12.70	V
	7633.50	-46.02	-25	-21.02	-68.09	-49.32	8.30	11.60	V
	10178.00	-53.55	-25	-28.55	-80.2	-55.07	10.48	12.00	V
Highest	5182.80	-63.38	-25	-38.38	-80.92	-68.94	7.16	12.72	H
	7774.20	-49.74	-25	-24.74	-72.49	-53.04	8.33	11.63	H
	10365.60	-52.68	-25	-27.68	-79.68	-54.28	10.50	12.10	H
	5182.80	-64.08	-25	-39.08	-81.57	-69.64	7.16	12.72	V
	7774.20	-50.46	-25	-25.46	-73.2	-53.76	8.33	11.63	V
	10365.60	-52.84	-25	-27.84	-79.64	-54.44	10.50	12.10	V

n66 SA / 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	3421.84	-62.65	-13	-49.65	-74.90	-69.53	5.60	12.48	H
	5132.76	-58.93	-13	-45.93	-76.42	-64.61	7.10	12.78	H
	6843.68	-58.76	-13	-45.76	-79.21	-62.15	8.38	11.77	H
	3421.84	-61.78	-13	-48.78	-74.6	-68.66	5.60	12.48	V
	5132.76	-60.40	-13	-47.40	-77.83	-66.08	7.10	12.78	V
	6843.68	-58.84	-13	-45.84	-79.05	-62.23	8.38	11.77	V
Middle	3452	-60.07	-13	-47.07	-72.66	-66.92	5.65	12.50	H
	5178	-50.30	-13	-37.30	-67.84	-55.97	7.13	12.80	H
	6904	-58.08	-13	-45.08	-78.81	-61.48	8.40	11.80	H
	3452	-60.40	-13	-47.40	-73.54	-67.25	5.65	12.50	V
	5178	-58.84	-13	-45.84	-76.32	-64.51	7.13	12.80	V
	6904	-58.31	-13	-45.31	-78.97	-61.71	8.40	11.80	V
Highest	3481.84	-62.52	-13	-49.52	-75.45	-69.36	5.68	12.52	H
	5222.76	-61.21	-13	-48.21	-78.50	-66.88	7.15	12.82	H
	6963.68	-58.24	-13	-45.24	-79.24	-61.67	8.42	11.85	H
	3481.84	-61.75	-13	-48.75	-75.22	-68.59	5.68	12.52	V
	5222.76	-61.09	-13	-48.09	-78.32	-66.76	7.15	12.82	V
	6963.68	-57.88	-13	-44.88	-78.99	-61.31	8.42	11.85	V



EN-DC_30A_n66A / LTE 10MHz + NR 40MHz / QPSK (ANT1+0)									
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	3421.84	-63.49	-13	-44.79	-51.72	-64.67	5.60	12.48	H
	5132.76	-58.59	-13	-43.89	-51.13	-62.57	7.10	12.78	H
	6843.68	-61.81	-13	-42.41	-56.94	-58.80	8.38	11.77	H
	3421.84	-62.31	-13	-45.00	-51.11	-64.88	5.60	12.48	V
	5132.76	-58.05	-13	-43.45	-50.53	-62.13	7.10	12.78	V
	6843.68	-61.34	-13	-41.96	-56.23	-58.35	8.38	11.77	V
LTE Band30 Lowest	4611.50	-57.21	-40	-17.21	-50.00	-63.46	6.45	12.70	H
	6916.50	-54.87	-40	-14.87	-50.26	-58.27	8.40	11.80	H
	9222.00	-56.13	-40	-16.13	-57.21	-58.48	9.65	12.00	H
	4611.50	-60.40	-40	-20.40	-53.04	-66.65	6.45	12.70	V
	6916.50	-59.09	-40	-19.09	-54.44	-62.49	8.40	11.80	V
	9222.00	-56.52	-40	-16.52	-57.18	-58.87	9.65	12.00	V
NR n66 Middle	3452	-61.06	-13	-45.25	-49.64	-65.10	5.65	12.50	H
	5178	-57.17	-13	-42.82	-49.74	-61.49	7.13	12.80	H
	6904	-60.34	-13	-42.19	-55.69	-58.59	8.40	11.80	H
	3452	-61.81	-13	-43.73	-50.94	-63.58	5.65	12.50	V
	5178	-56.57	-13	-43.80	-49.08	-62.47	7.13	12.80	V
	6904	-59.58	-13	-41.71	-54.86	-58.11	8.40	11.80	V
LTE Band30 Middle	4611.50	-58.01	-40	-18.01	-50.80	-64.26	6.45	12.70	H
	6916.50	-54.34	-40	-14.34	-49.73	-57.74	8.40	11.80	H
	9222.00	-56.18	-40	-16.18	-57.26	-58.53	9.65	12.00	H
	4611.50	-59.21	-40	-19.21	-51.85	-65.46	6.45	12.70	V
	6916.50	-57.96	-40	-17.96	-53.31	-61.36	8.40	11.80	V
	9222.00	-56.37	-40	-16.37	-57.03	-58.72	9.65	12.00	V
NR n66 Highest	3481.4	-62.75	-13	-49.75	-51.67	-69.59	5.68	12.52	H
	5222.1	-59.69	-13	-46.69	-52.00	-65.36	7.15	12.82	H
	6916.5	-62.02	-13	-49.02	-57.41	-65.45	8.42	11.85	H
	3481.4	-61.20	-13	-48.20	-50.66	-68.04	5.68	12.52	V
	5222.1	-60.48	-13	-47.48	-52.73	-66.15	7.15	12.82	V
	6916.5	-62.11	-13	-49.11	-57.46	-65.54	8.42	11.85	V
LTE Band30 Highest	4611.50	-58.07	-40	-18.07	-50.86	-64.32	6.45	12.70	H
	6962.80	-55.67	-40	-15.67	-51.21	-59.07	8.40	11.80	H
	9222.00	-56.29	-40	-16.29	-57.37	-58.64	9.65	12.00	H
	4611.50	-60.65	-40	-20.65	-53.29	-66.90	6.45	12.70	V
	6962.80	-58.57	-40	-18.57	-54.21	-61.97	8.40	11.80	V
	9222.00	-56.72	-40	-16.72	-57.38	-59.07	9.65	12.00	V





EN-DC 48A_n66A / LTE 20MHz + NR 40MHz / QPSK (ANT4+0) other PA									
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	3421.84	-60.99	-13	-47.99	-73.24	-67.87	5.60	12.48	H
	5132.76	-61.80	-13	-48.80	-79.29	-67.48	7.10	12.78	H
	6843.68	-58.65	-13	-45.65	-79.10	-62.04	8.38	11.77	H
	3421.84	-56.62	-13	-43.62	-69.44	-63.50	5.60	12.48	V
	5132.76	-62.28	-13	-49.28	-79.71	-67.96	7.10	12.78	V
	6843.68	-59.19	-13	-46.19	-79.4	-62.58	8.38	11.77	V
LTE Band48 Lowest	7232.00	-57.83	-40	-17.83	-54.54	-61.13	8.30	11.60	H
	10848.00	-53.36	-40	-13.36	-56.46	-54.88	10.48	12.00	H
	14464.00	-50.49	-40	-10.49	-57.85	-52.19	11.80	13.50	H
	7232.00	-59.10	-40	-19.10	-55.85	-62.40	8.30	11.60	V
	10848.00	-55.59	-40	-15.59	-58.45	-57.11	10.48	12.00	V
	14464.00	-51.79	-40	-11.79	-58.94	-53.49	11.80	13.50	V
NR n66 Middle	3452	-62.60	-13	-49.60	-75.19	-69.45	5.65	12.50	H
	5178	-61.19	-13	-48.19	-78.73	-66.86	7.13	12.80	H
	6904	-58.07	-13	-45.07	-78.80	-61.47	8.40	11.80	H
	3452	-60.56	-13	-47.56	-73.7	-67.41	5.65	12.50	V
	5178	-62.26	-13	-49.26	-79.74	-67.93	7.13	12.80	V
	6904	-58.24	-13	-45.24	-78.9	-61.64	8.40	11.80	V
LTE Band48 Middle	7232.00	-57.72	-40	-17.72	-54.43	-61.02	8.30	11.60	H
	10848.00	-53.70	-40	-13.70	-56.80	-55.22	10.48	12.00	H
	14464.00	-50.43	-40	-10.43	-57.79	-52.13	11.80	13.50	H
	7232.00	-58.85	-40	-18.85	-55.6	-62.15	8.30	11.60	V
	10848.00	-56.04	-40	-16.04	-58.9	-57.56	10.48	12.00	V
	14464.00	-52.24	-40	-12.24	-59.39	-53.94	11.80	13.50	V
NR n66 Highest	3481.84	-62.83	-13	-49.83	-75.76	-69.67	5.68	12.52	H
	5222.76	-61.80	-13	-48.80	-79.09	-67.47	7.15	12.82	H
	6963.68	-58.35	-13	-45.35	-79.35	-61.78	8.42	11.85	H
	3481.84	-62.16	-13	-49.16	-75.63	-69.00	5.68	12.52	V
	5222.76	-62.18	-13	-49.18	-79.41	-67.85	7.15	12.82	V
	6963.68	-58.28	-13	-45.28	-79.39	-61.71	8.42	11.85	V
LTE Band48 Highest	7232.00	-58.08	-40	-18.08	-54.79	-61.38	8.30	11.60	H
	10848.00	-54.03	-40	-14.03	-57.13	-55.55	10.48	12.00	H
	14464.00	-50.76	-40	-10.76	-58.12	-52.46	11.80	13.50	H
	7232.00	-59.36	-40	-19.36	-56.11	-62.66	8.30	11.60	V
	10848.00	-54.93	-40	-14.93	-57.79	-56.45	10.48	12.00	V
	14464.00	-51.13	-40	-11.13	-58.28	-52.83	11.80	13.50	V



n70 SA / 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	3391.08	-62.78	-13	-49.78	-74.79	-69.63	5.65	12.50	H
	5086.62	-59.77	-13	-46.77	-77.22	-65.44	7.13	12.80	H
	6782.16	-58.80	-13	-45.80	-78.99	-62.20	8.40	11.80	H
	3391.08	-61.64	-13	-48.64	-74.19	-68.49	5.65	12.50	V
	5086.62	-59.24	-13	-46.24	-76.62	-64.91	7.13	12.80	V
	6782.16	-56.61	-13	-43.61	-76.44	-60.01	8.40	11.80	V

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