

Antenna Measurement Report

Manufacturer: Acer India Pvt Ltd.

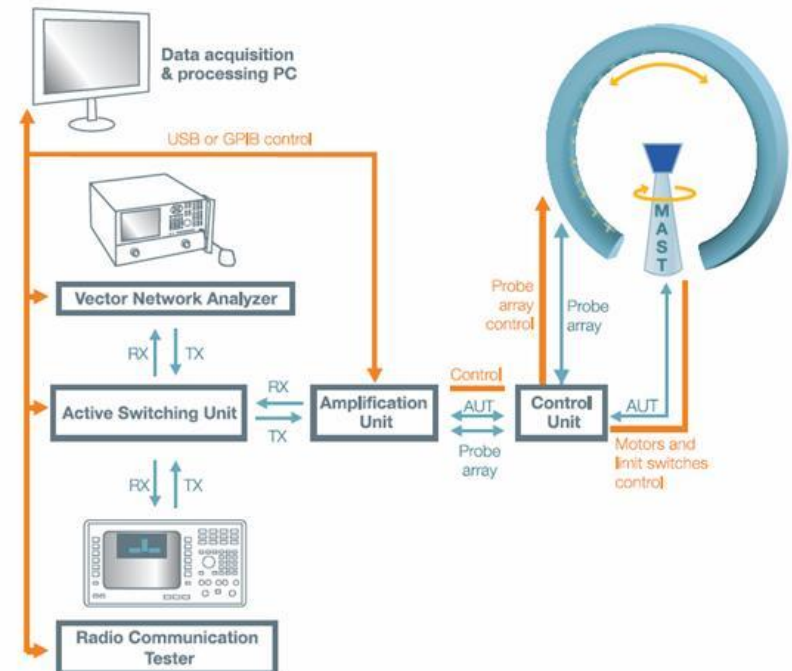
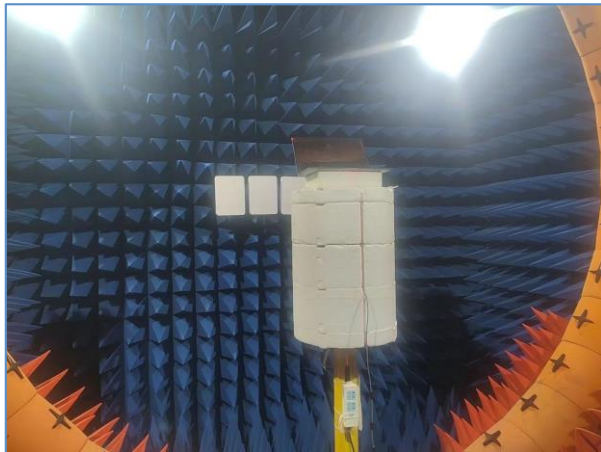
Address: Embassy Heights 6th Floor, No.13, Magrath Road, (Next to Hosmat Hospital) Bangalore, 560025 India

Project name :	英众笔记本DN21C-140P6-SCD-N02报告
Type of antenna :	WIFI2.4/5G
Redact :	
Approver :	
Version number :	V1.0
Date :	20240705

1. Test items and equipment

Passive test item

1. 整机辐射功率	Microwave chamber
2. 整机数据	网分 E5071B CMW500



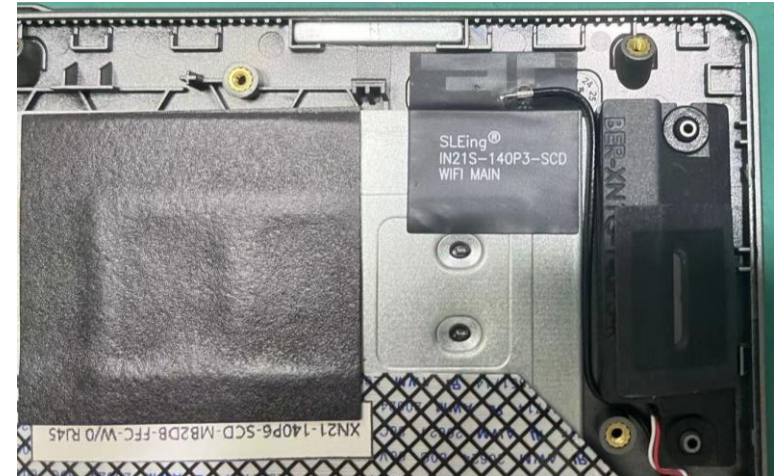
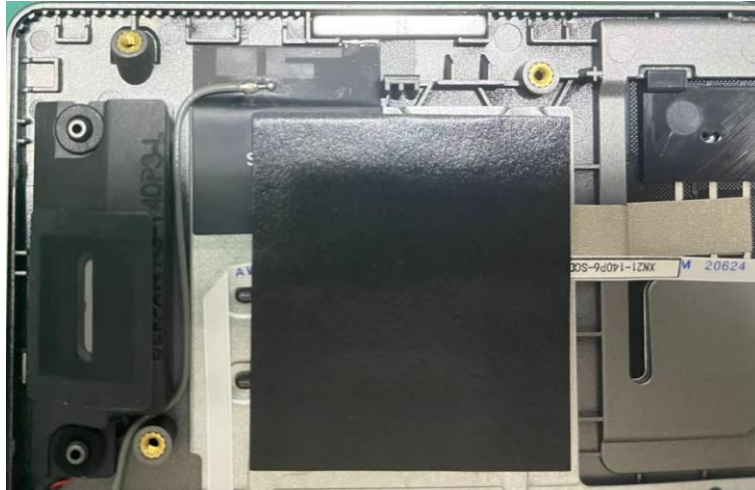
2. Product information

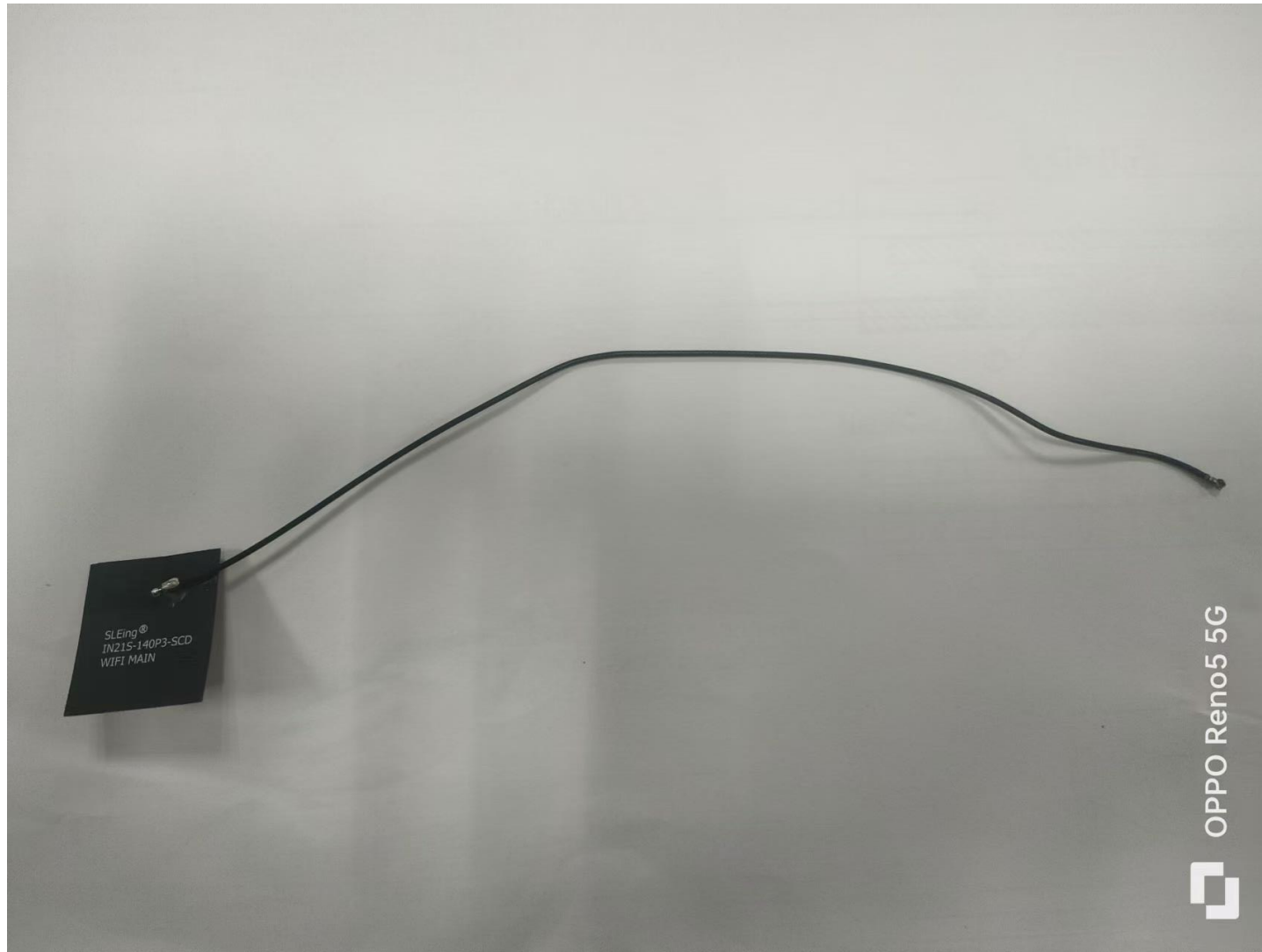
产品名称：英众笔记本DN21C-140P6-SCD-N02

测试天线：WIFI2.4/5G



3. Antenna assembly instructions







WLAN Antenna Performance

WLAN Whole Band TRP (dBm) _____

WLAN Whole Band TIS (dBm) _____

		Channel No.	Freq. (MHz)	TRP (dBm)	TIS (dBm)
Phone Tx (Uplink Path)	<u>1</u>	1	--	11.63	--
	<u>2</u>	6	--	12.74	--
	<u>3</u>	11	--	12.18	--
	<u>4</u>	--	--	--	--
	<u>5</u>	--	--	--	--
Phone Rx (Downlink Path)	<u>1</u>	1	--	--	-78.96
	<u>2</u>	6	--	--	-79.22
	<u>3</u>	11	--	--	-79.86
	<u>4</u>	--	--	--	--
	<u>5</u>	--	--	--	--

AX101 11B有源数据

WLAN Antenna Performance

WLAN Whole Band TRP (dBm) _____

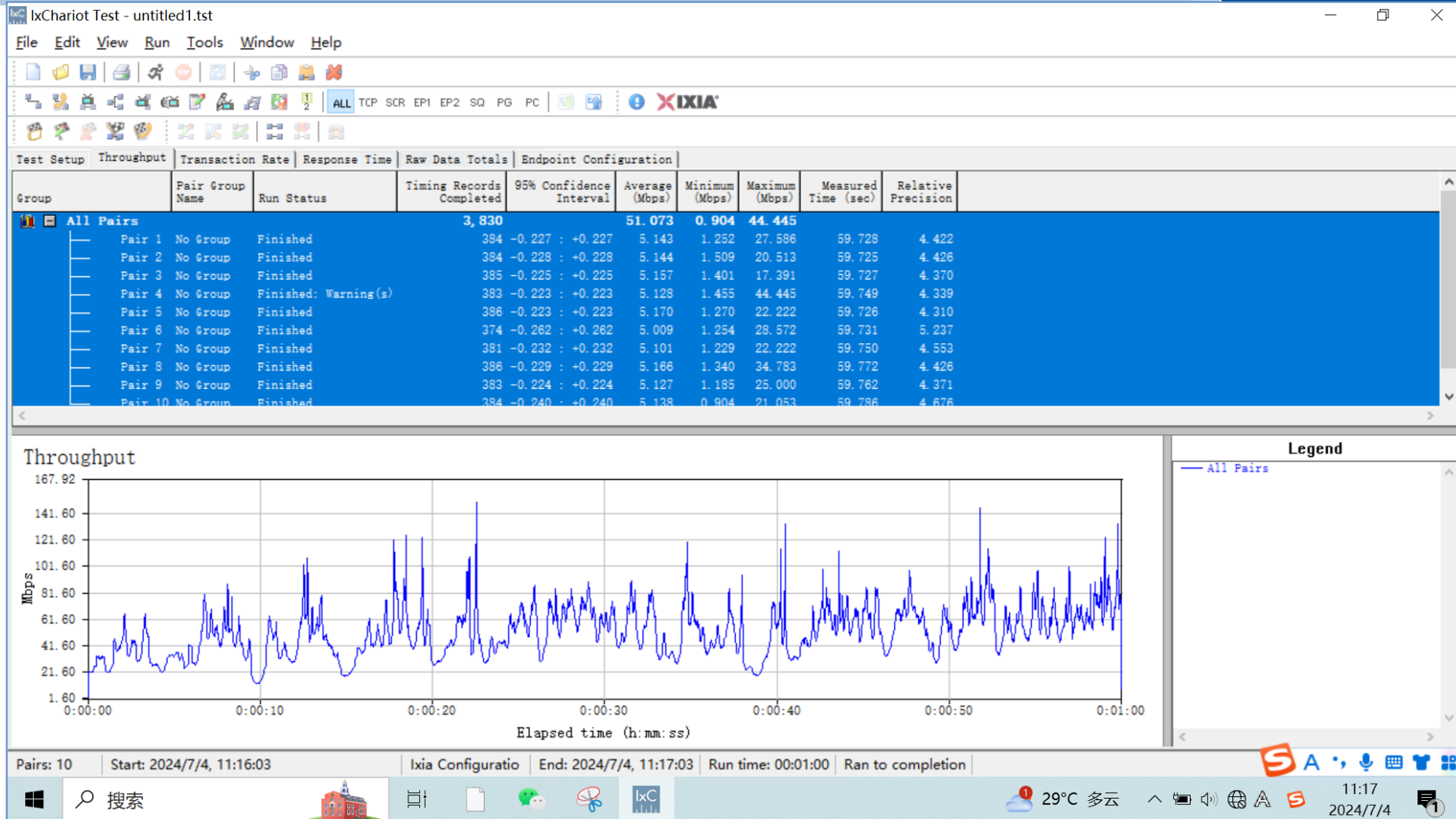
WLAN Whole Band TIS (dBm) _____

		Channel No.	Freq. (MHz)	TRP (dBm)	TIS (dBm)
Phone Tx (Uplink Path)	<u>1</u>	36	--	12.89	--
	<u>2</u>	149	--	13.22	--
	<u>3</u>	165	--	12.48	--
	<u>4</u>	--	--	--	--
	<u>5</u>	--	--	--	--
Phone Rx (Downlink Path)	<u>1</u>	36	--	--	-68.95
	<u>2</u>	149	--	--	-69.33
	<u>3</u>	165	--	--	-70.48
	<u>4</u>	--	--	--	--
	<u>5</u>	--	--	--	--

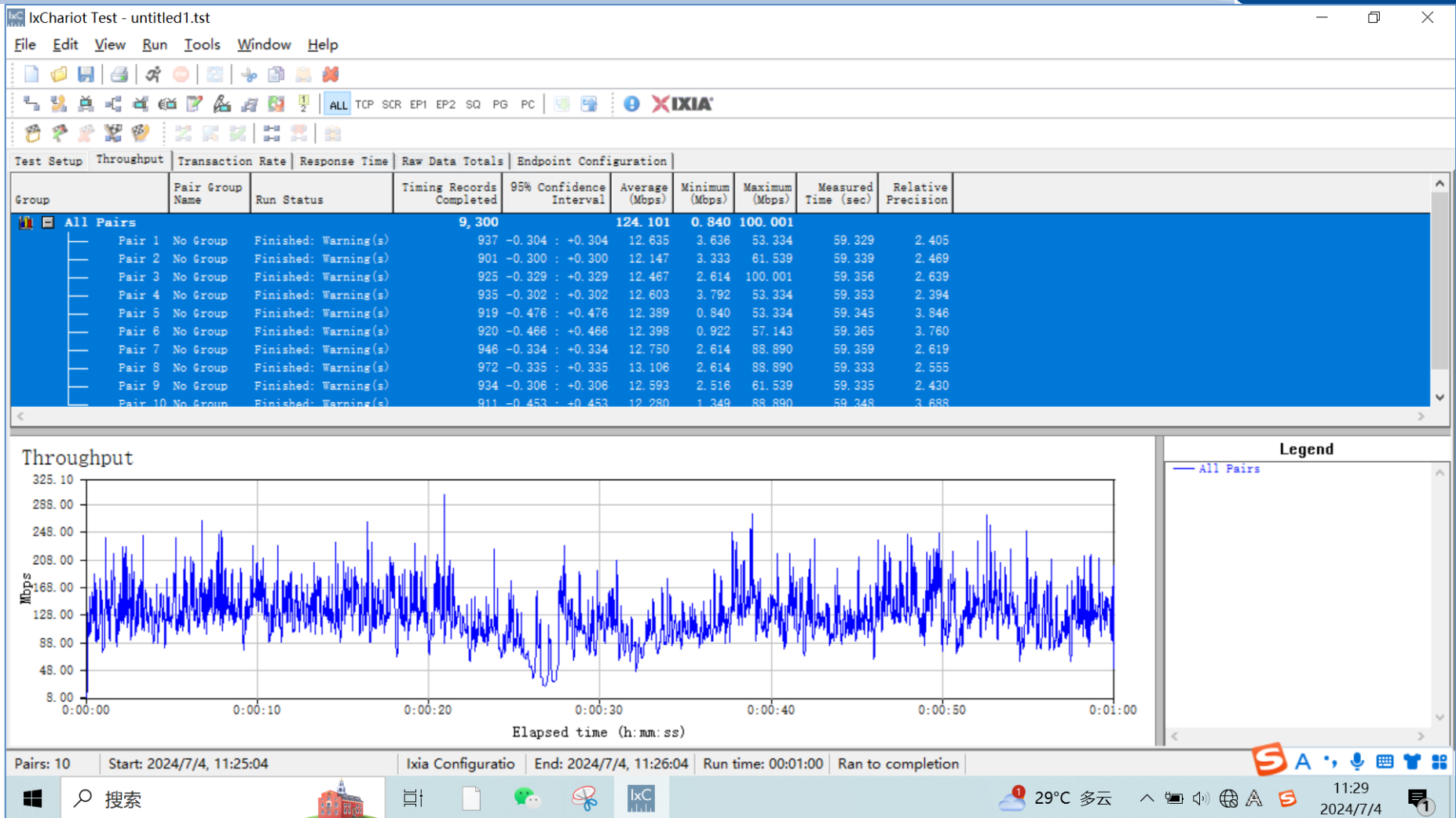
AX101 11A有源数据



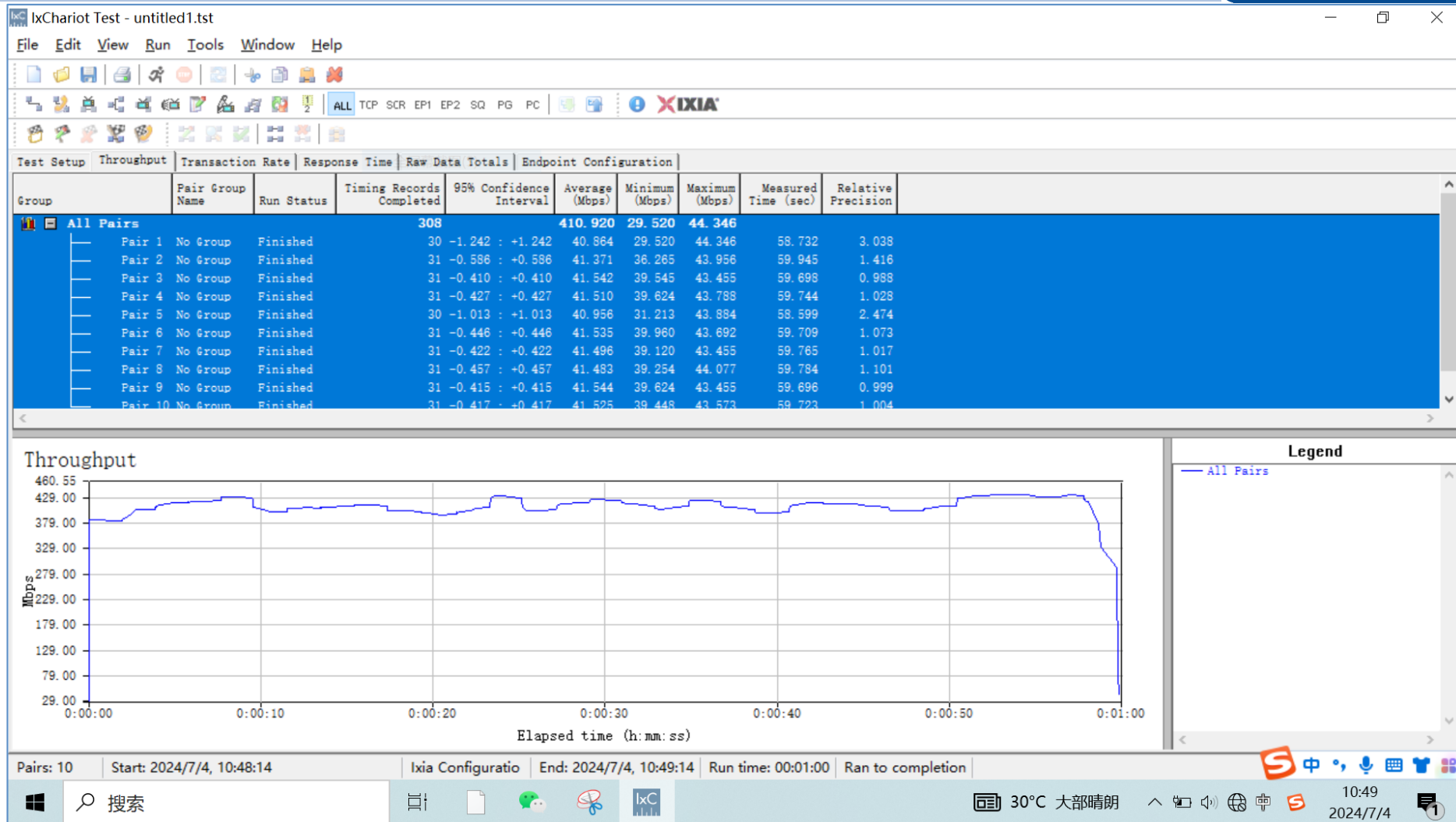
Throughput test environment



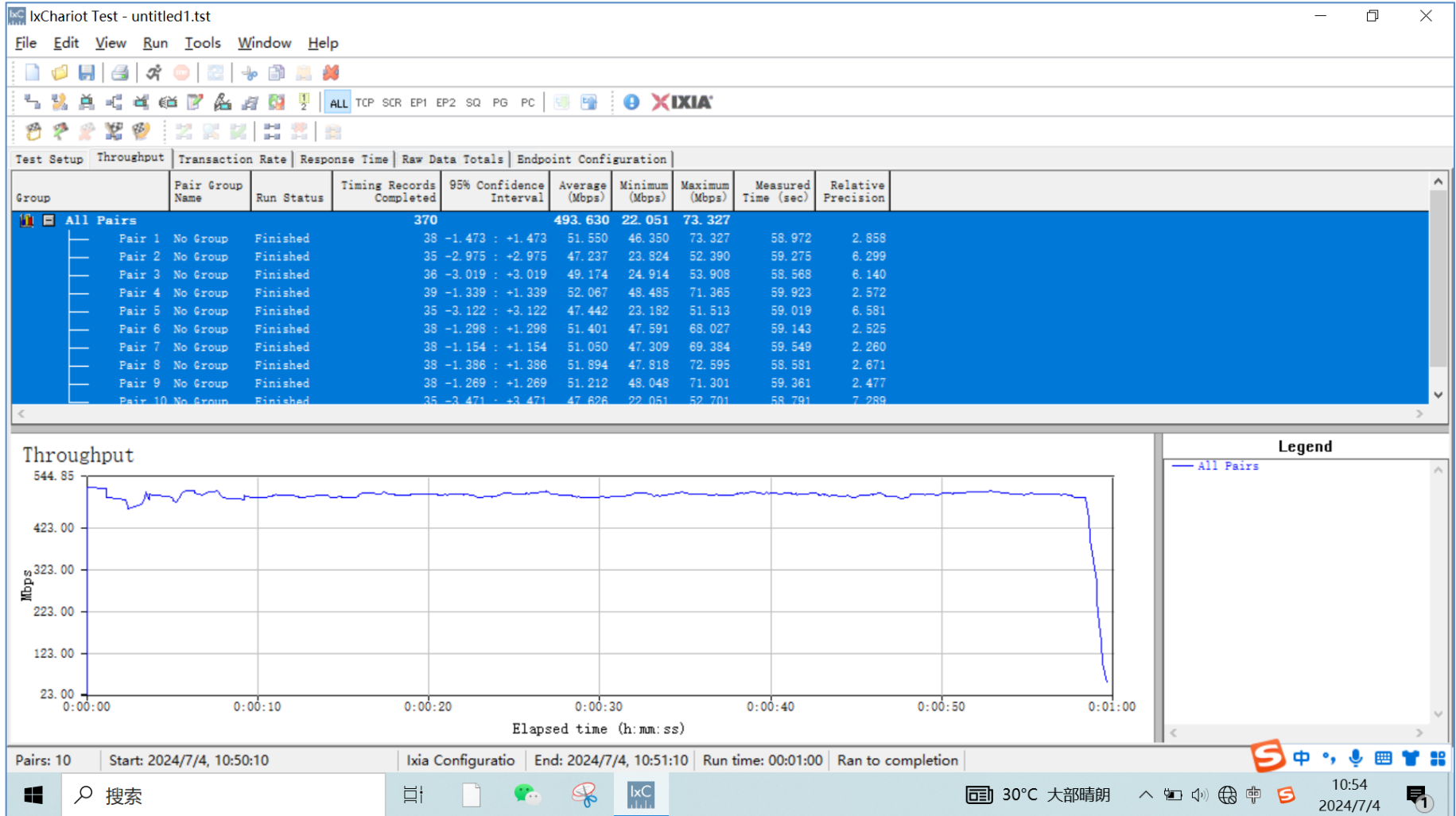
AX101 WiFi module throughput 2.4G transmit data



AX101 WiFi module throughput 2.4G received data



AX101 WiFi module throughput 5G transmit data



AX101 WiFi module throughput 5G receiving data

测试效率

Test Efficiency

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Efficiency (dBi)	-3.75	-3.50	-3.44	-3.36	-3.11	-3.03	-3.00	-2.96	-2.78	-2.69	-2.46
Gain (dBi)	2.52	2.51	2.60	2.69	3.35	3.61	3.36	3.40	3.32	3.77	4.09
Efficiency (%)	42.16	44.71	45.30	46.09	48.86	49.75	50.10	50.55	52.72	53.77	56.70

12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650	5700	5750	5800	5850
-2.98	-3.28	-3.30	-3.36	-3.14	-2.53	-2.83	-3.38	-3.92	-4.04	-3.36	-3.54	-3.78	-3.81	-3.50
3.68	3.89	3.94	4.51	5.10	5.61	4.25	3.92	3.75	3.99	4.71	4.70	4.77	4.75	5.17
50.30	47.00	46.79	46.15	48.58	55.87	52.06	45.87	40.53	39.42	46.11	44.21	41.84	41.61	44.66

天线方向图 3

