

Antenna Specification

Manufacture	YEELOCK	Security Classification	Internal Use Only
Product Name	PCB Antenna	Version	A0
Antenna Type	PCB	Total Pages	8
Test Date	2025.03.02		
Tested	Xuan Li		
Approved	Lianke Yang		

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1. General Description

Manufacturer	Xi'an Yisuobao Electronic Technology Co., Ltd.
Address	Shaanxi science and technology resource coordination center, no. 10, zhangba fifth road, yanta district, xi 'an, shaanxi province
Product Name	PCB Antenna
Product mode	N/A
Antenna Type	PCB Antenna
Test Items	Gain; Efficiency; Radiation Pattern
Test Frequency	2400-2500MHz
Test Standard	ANSI/IEEE Std 149-1979

2. Test Configurations

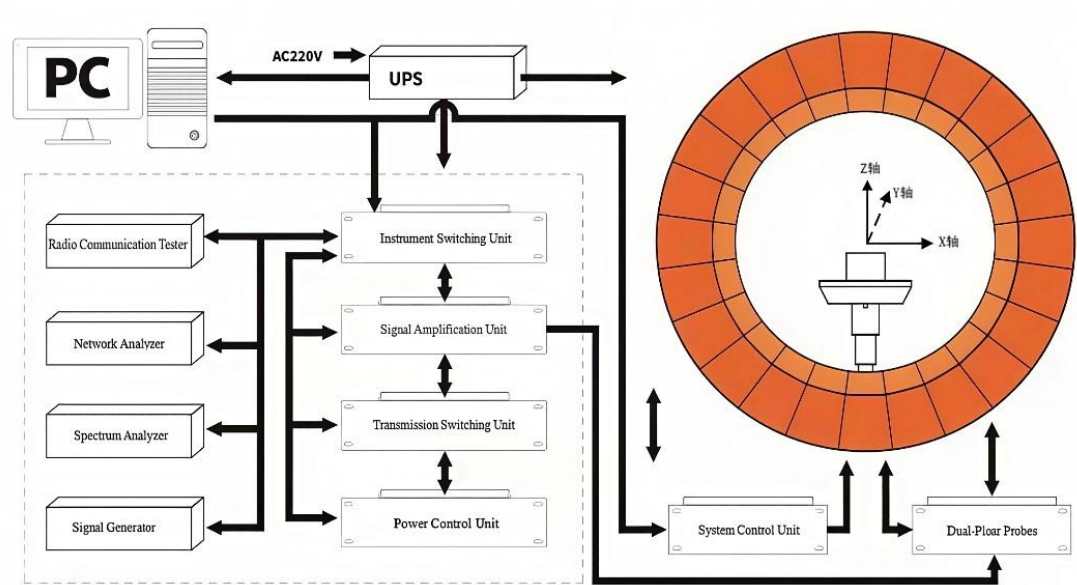
2.1 Test Environment

Temperature (°C)	25
Humidity (%RH)	60
Atmospheric Pressure (kPa)	100.5

2.2 Test Equipment

Test System	TEM 24 Multi-probe Microwave Chamber
Test Instrument	Agilent E5071B

2.3 Test Principle



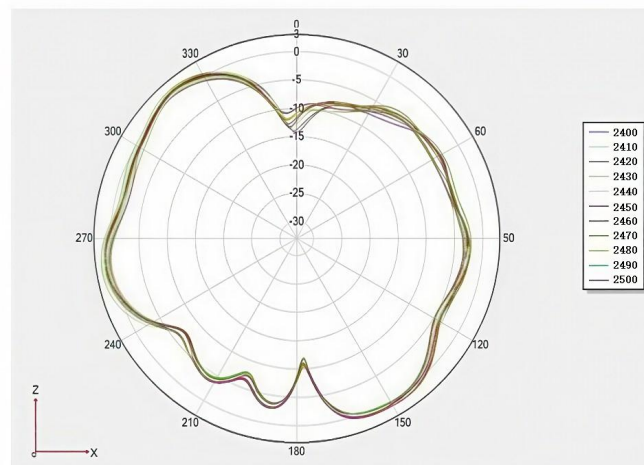
3. Test Results

3.1 Gain and Efficiency

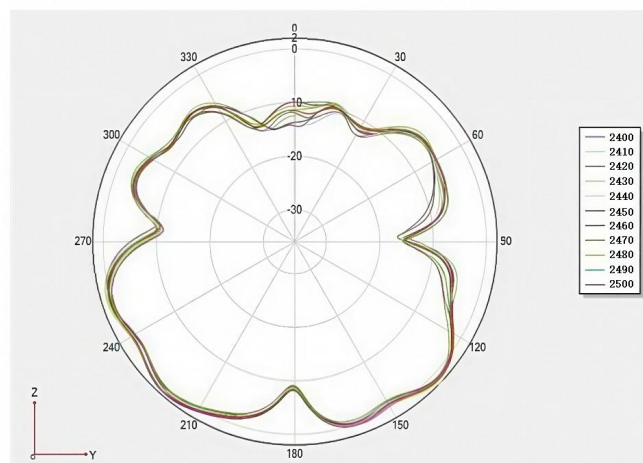
Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	2.89	60.24
2410	3.27	65.78
2420	2.91	63.38
2430	3.23	64.52
2440	2.32	57.84
2450	2.45	62.19
2460	2.58	60.27
2470	2.49	58.27
2480	2.32	56.13
2490	2.31	58.77
2500	2.20	58.72

3.2 Radiation Pattern

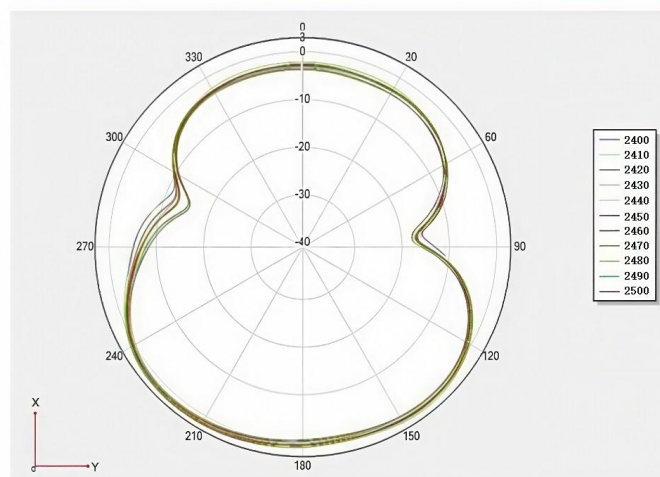
Phi 0 2D



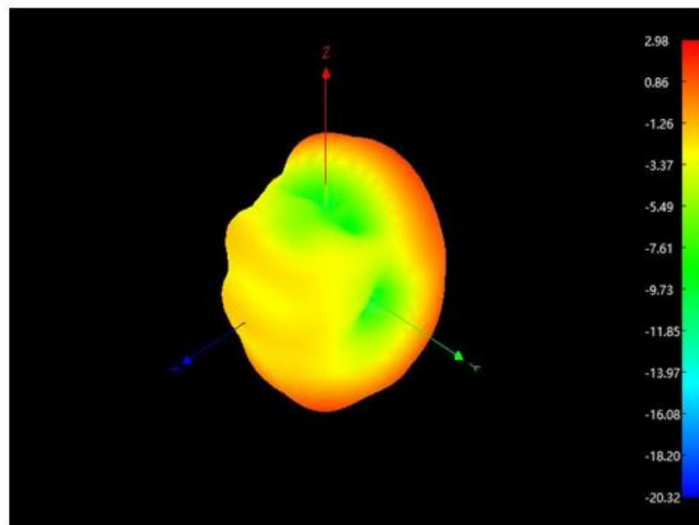
Phi 90 2D



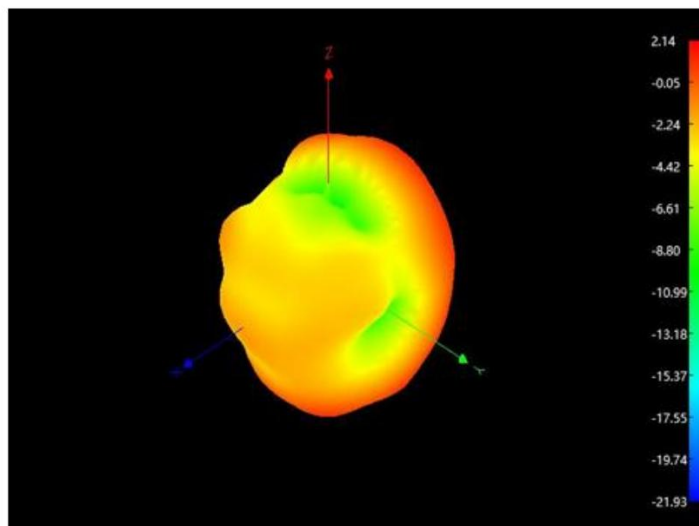
Theta 90 2D



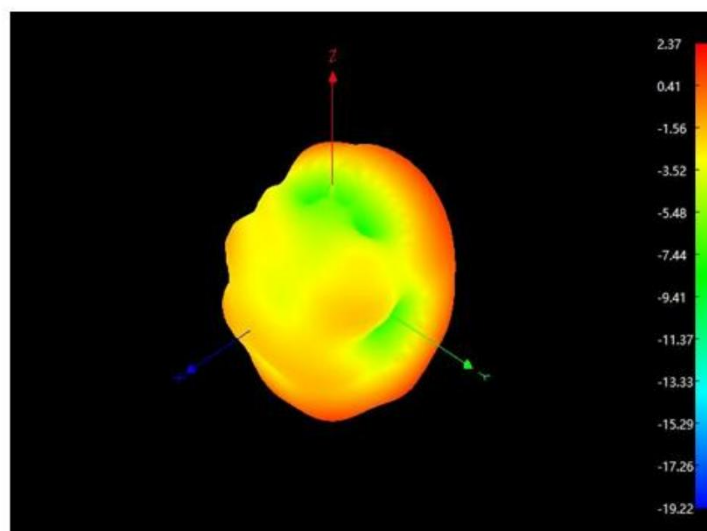
2400MHz 3D



2450MHz 3D



2500MHz 3D



4. Test Results

