
Antenna Specification

Manufacture: EBOY

Product Name: EB04 Antenna

Antenna Type: PCB

Test Date: 2025.07.04

Tested by: Weihua Wang

Approved by: Zhao

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1.General Description

Manufacturer	ZHEJIANG EBOY TECHNOLOGY CO., LTD
Address	No. 568, Huabao street, Qianyuan Town, Deqing County, Huzhou City, Zhejiang Province
Test Location	No. 568, Huabao street, Qianyuan Town, Deqing County, Huzhou City, Zhejiang Province
Product Name	EB04 Antenna
Product model	EB04
Antenna Type	PCB Antenna
Test Items	Gain; Efficiency; Radiation Pattern
Test Frequency	2400-2500MHz
Test Standard	ANSI/IEEE Std 149-1979

2.Test Configurations

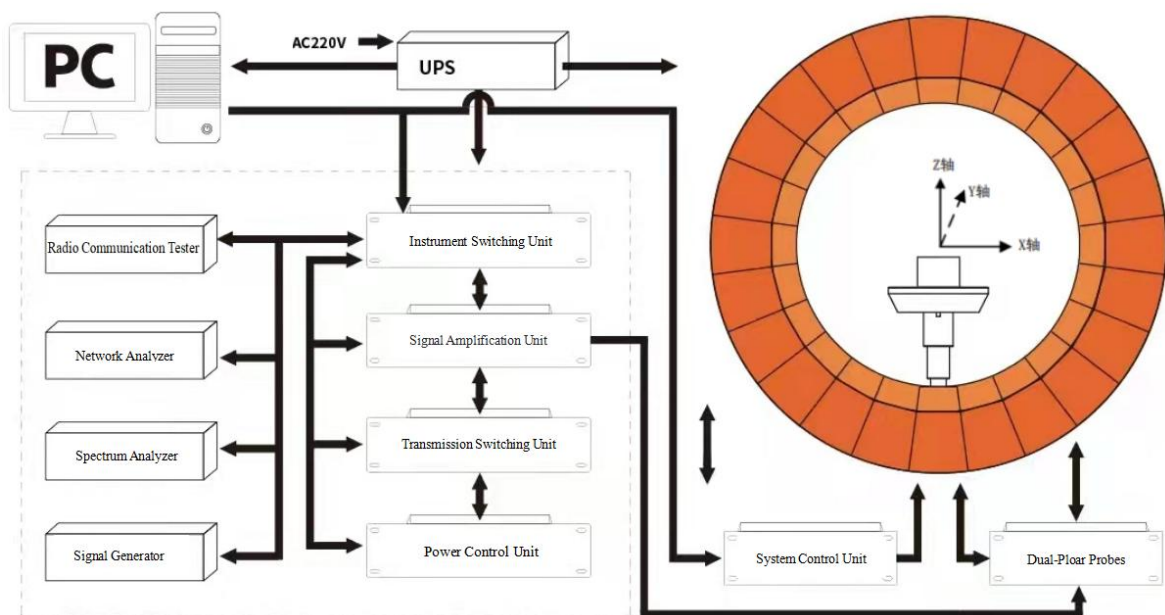
2.1 Test Environment

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



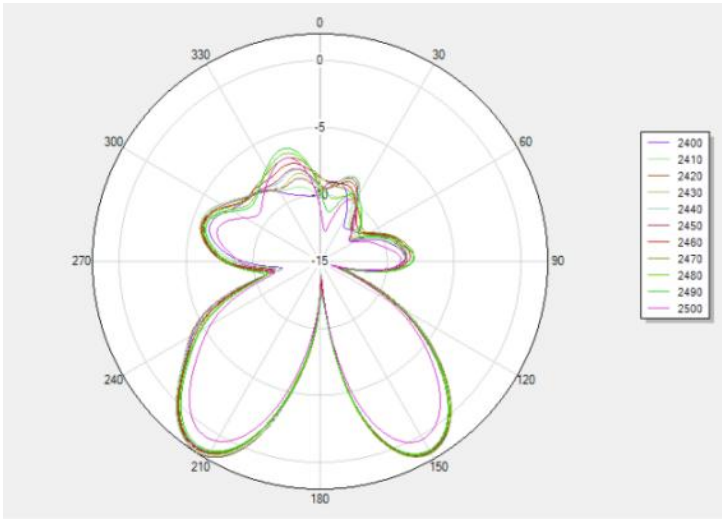
3.Test Results

3.1 Gain and Efficiency

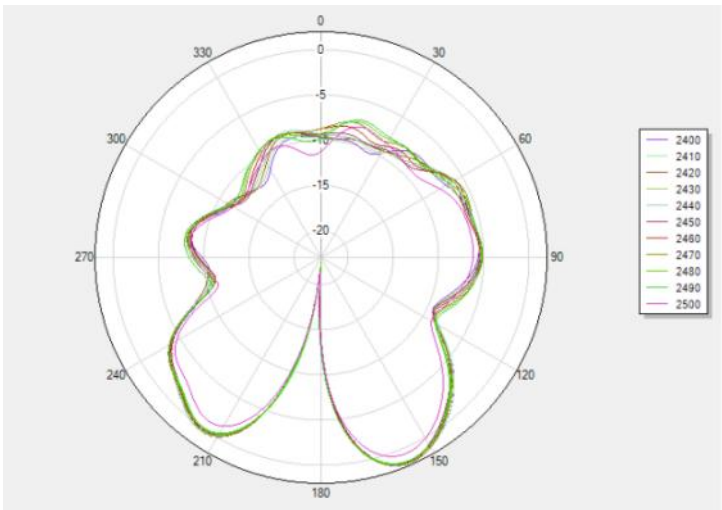
Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	2.11	32.36
2410	2.18	32.3
2420	2.21	32.1
2430	2.06	32.4
2440	2.07	32.9
2450	1.91	30.9
2460	2.04	30.8
2470	2.09	30.7
2480	1.98	31.6
2490	1.91	30.6
2500	1.03	30.5

3.2 Radiation Pattern

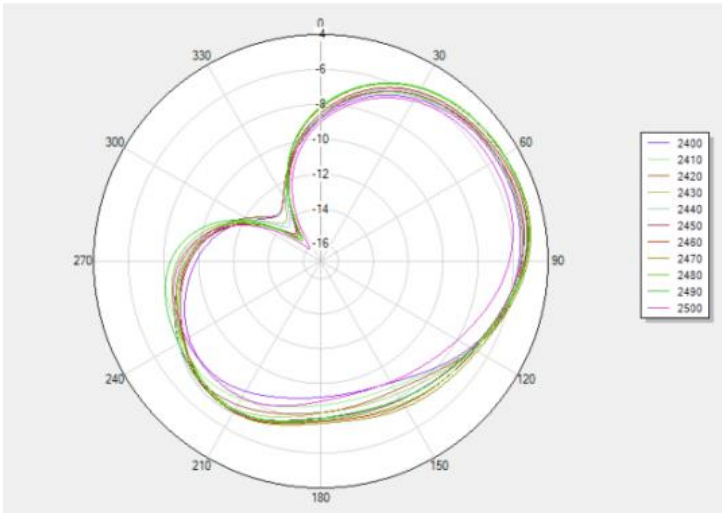
Phi 0 2D



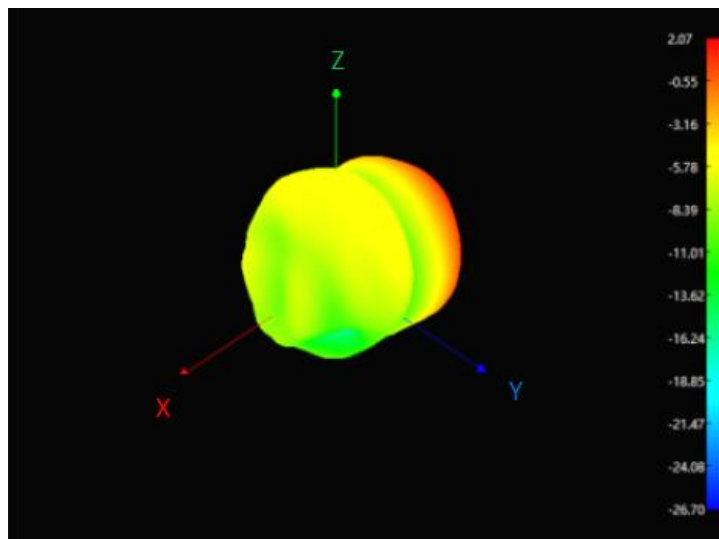
Phi 90 2D



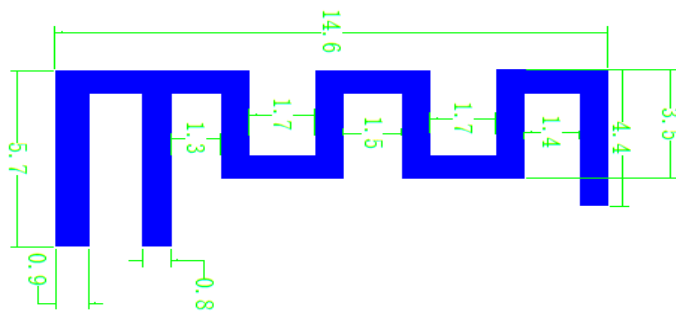
Theta 90 2D



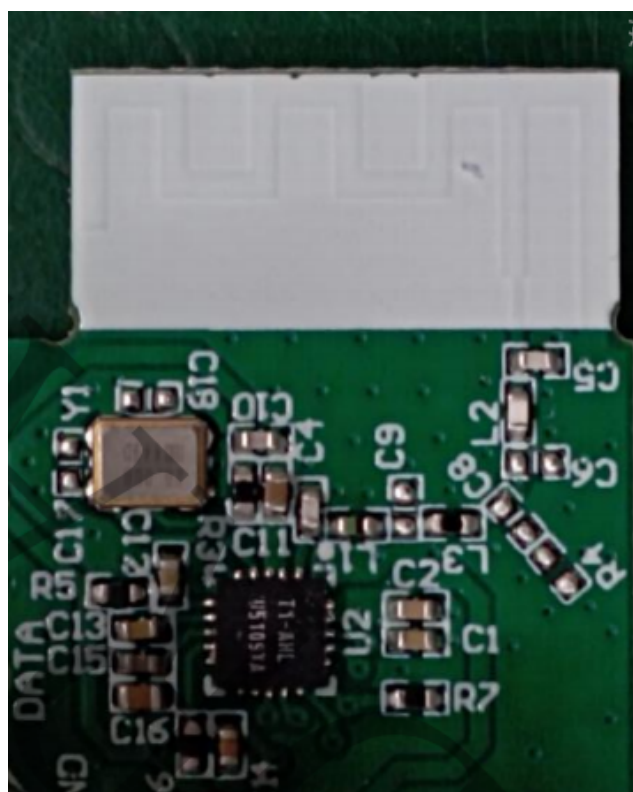
2440MHz 3D



4. Antenna Dimensions



5. EUT Photo



6.Test Setup Photo

