
Antenna Specification

Manufacture: Dejing Intelligent Living Technology (Shenzhen)
Co., LTD

Product Name: Antenna

Antenna Type: PCB

Test Date: 2019.05.20

Tested by: Long Wang

Approved by: Licco

1.General Description

Manufacturer	Dejing Intelligent Living Technology (Shenzhen) Co., LTD
Address	403, Building A, No. 9, Yuequn Road, Yutang Street, Guangming District, Shenzhen
Test Location	Room 106, Building 3, Letong Science Park, No. 500, Qiuyi Road, Binjiang District, Hangzhou
Product Name	Antenna
Product model	
Antenna Type	PCB Antenna
Test Items	Gain; Efficiency; Radiation Pattern
Test Frequency	2400-2500MHz
Test Standard	ANSI/IEEE Std 149-1979

2.Test Configurations

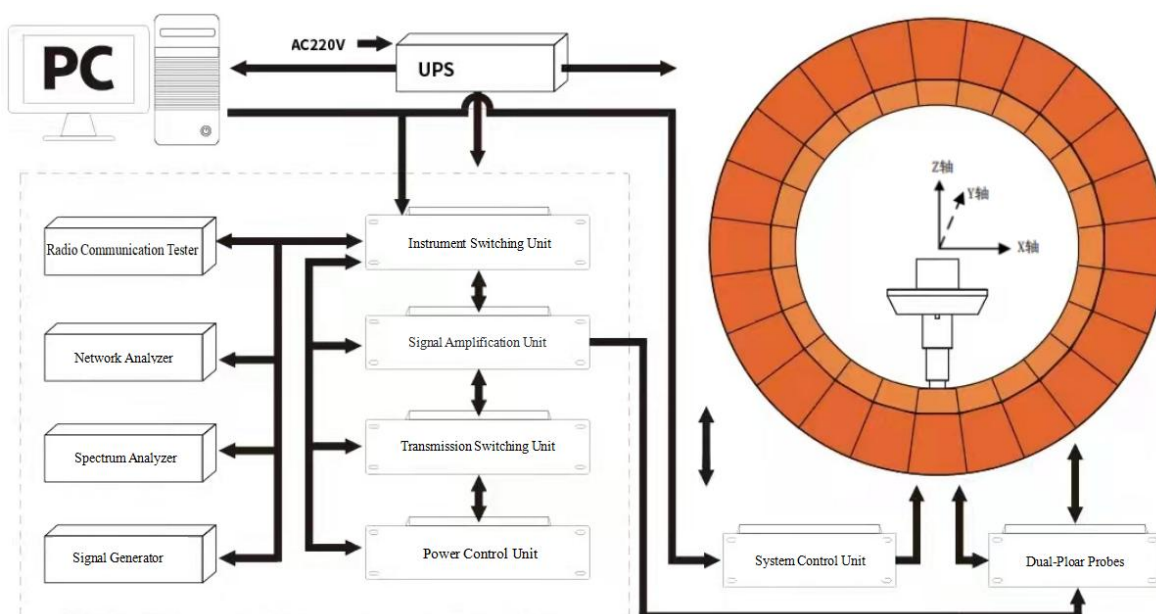
2.1 Test Environment

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



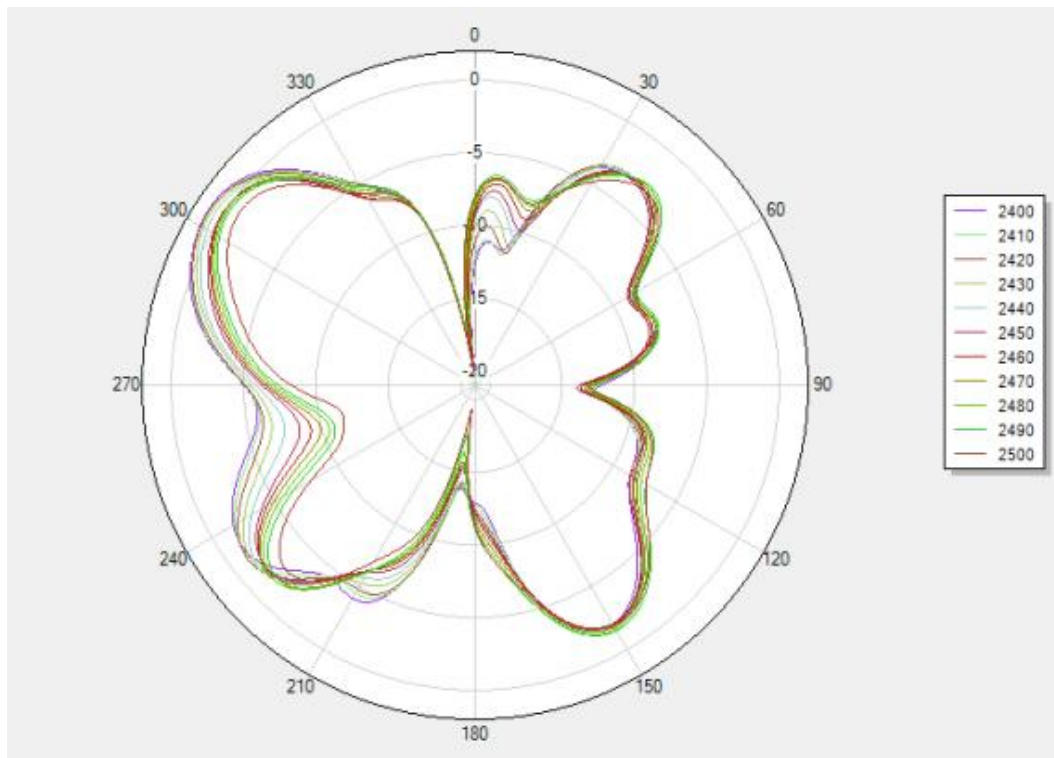
3.Test Results

3.1 Gain and Efficiency

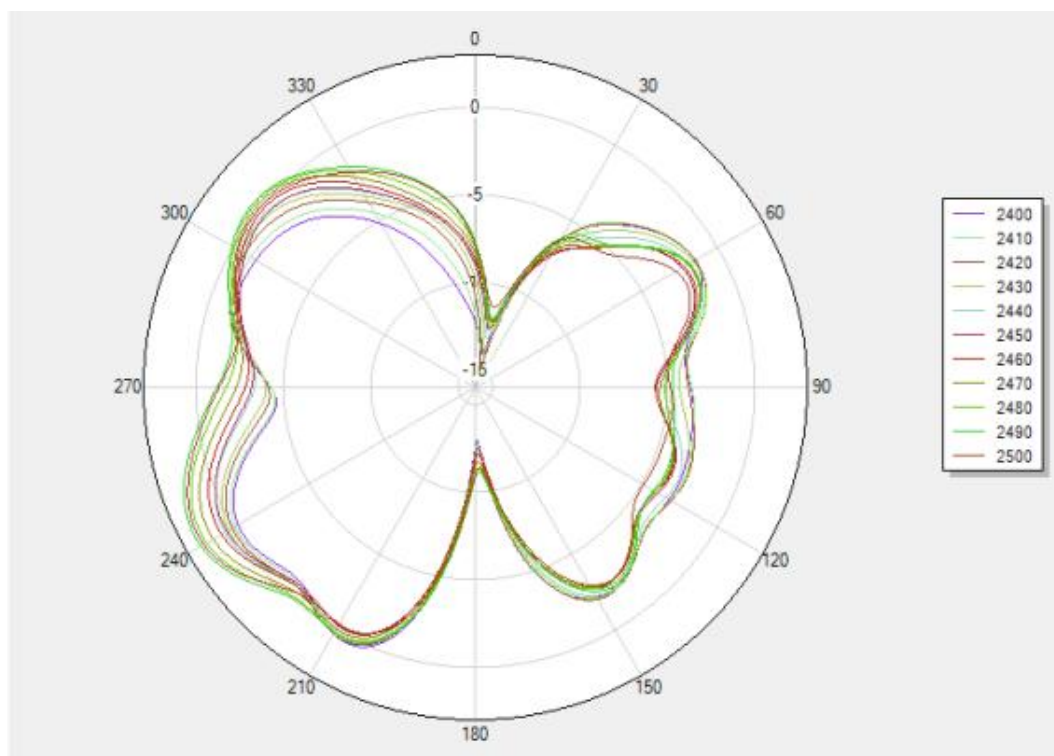
Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	1.62	52.29
2410	1.71	52.17
2420	1.93	53.14
2430	1.98	54.16
2440	2.00	57.62
2450	2.17	59.64
2460	2.45	61.55
2470	2.38	60.64
2480	2.54	62.86
2490	2.30	59.85
2500	2.49	60.41

3.2 Radiation Pattern

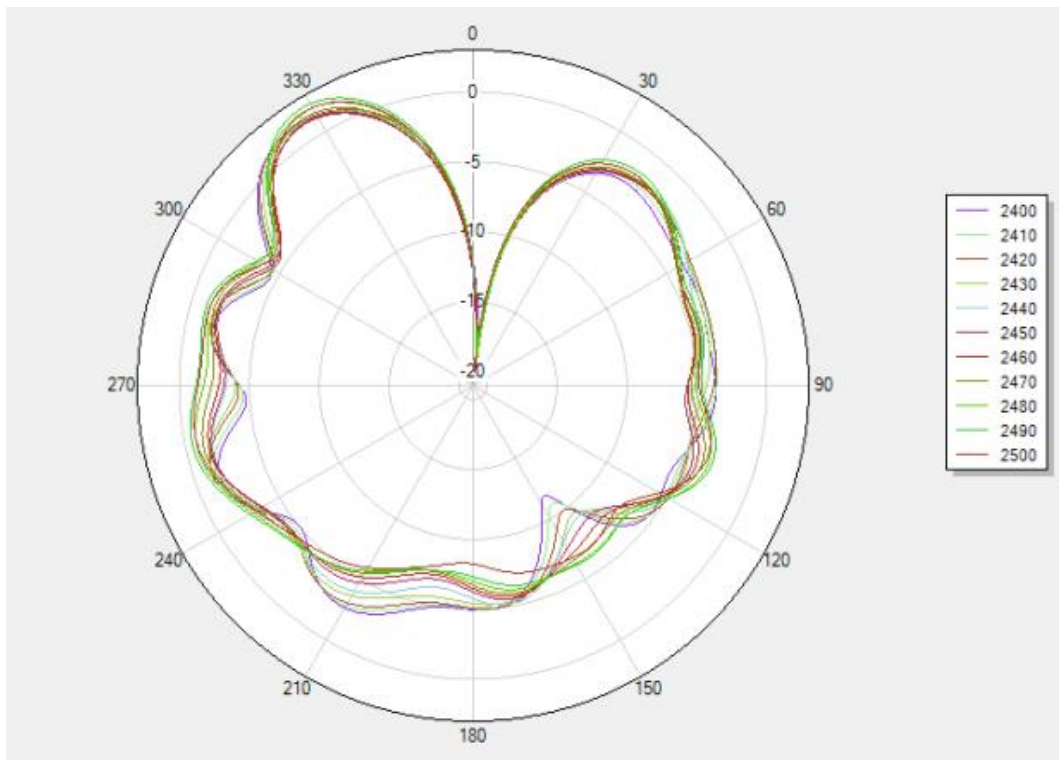
Phi 0 2D



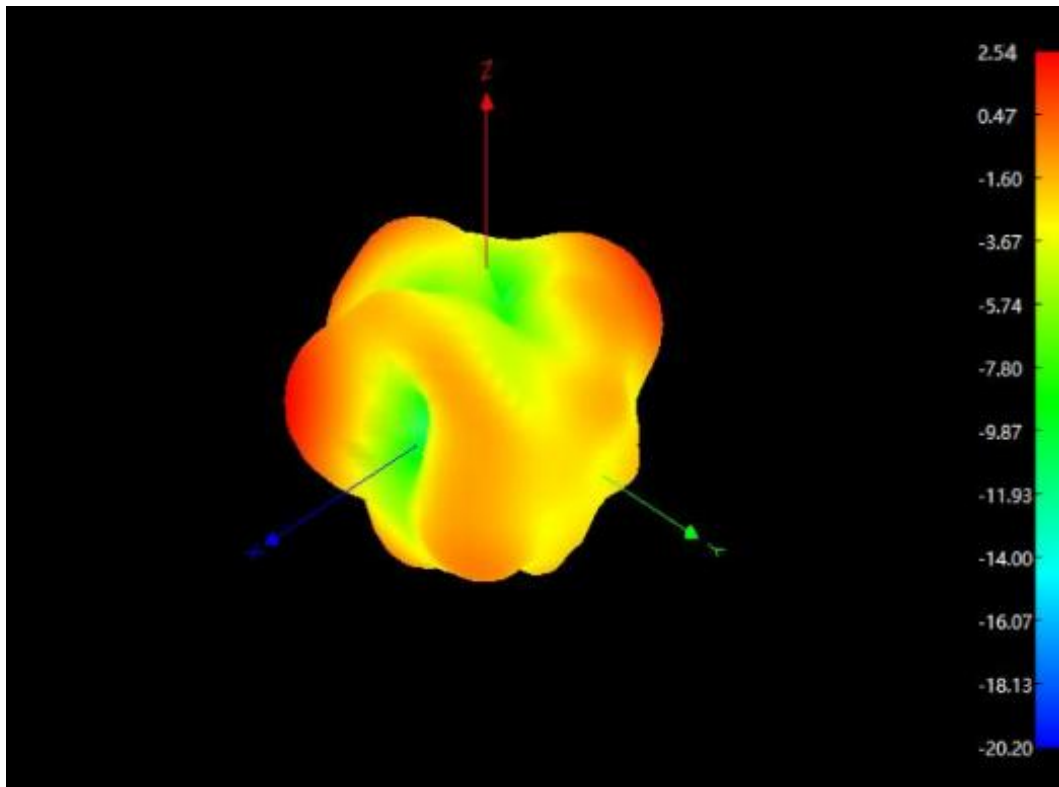
Phi 90 2D



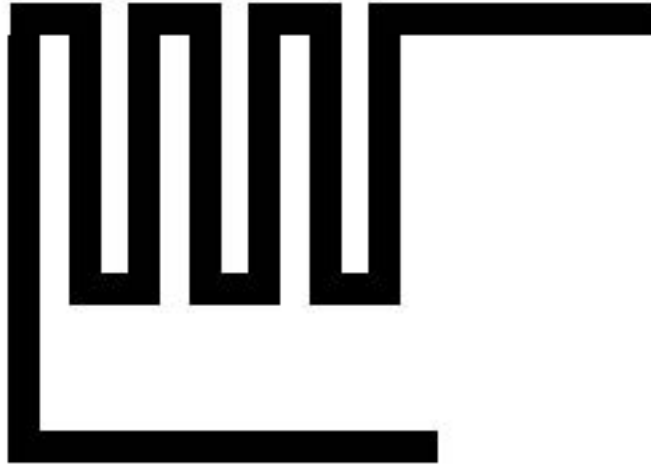
Theta 90 2D



2480MHz 3D



4. Antenna Dimensions



5.Test Setup Photo

