
Antenna Specification

Manufacture: Shenzhen Yingjia Chuang electronic technology Co., LTD

Product Name: YJC-6N000-B446

Antenna Type: 2.4G metal built-in antenna

Test Date: 2020.11.24

Tested by: Yinhua Zhang

Approved by: Licco

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1.General Description

Manufacturer	Shenzhen Yingjia Chuang electronic technology Co., LTD
Address	Building C, Hongyu Guangming Valley, No. 11, Youma Gang Road, Ma Tian Street, Guangming District, Shenzhen
Test Location	Room 106, Building 3, Letong Science Park, No. 500, Qiuyi Road, Binjiang District, Hangzhou
Product Name	2.4G metal built-in antenna
Product model	YJC-6N000-B446
Antenna Type	2.4G metal built-in antenna
Test Items	Gain; Efficiency; Radiation Pattern
Test Frequency	2400-2500MHz
Test Standard	ANSI/IEEE Std 149-1979

2. Test Configurations

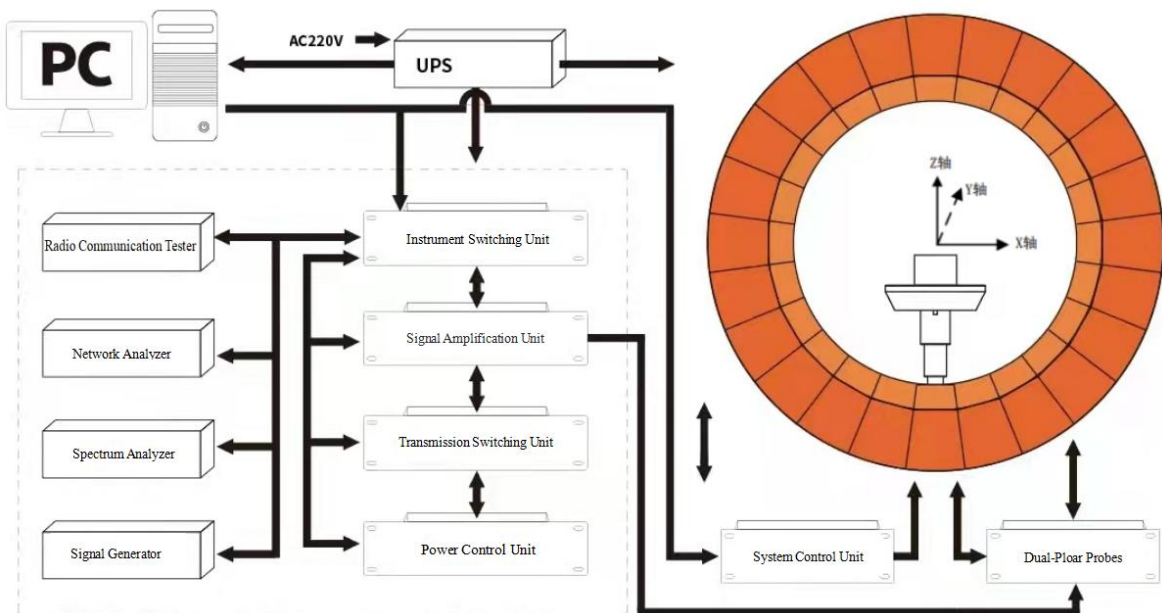
2.1 Test Environment

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



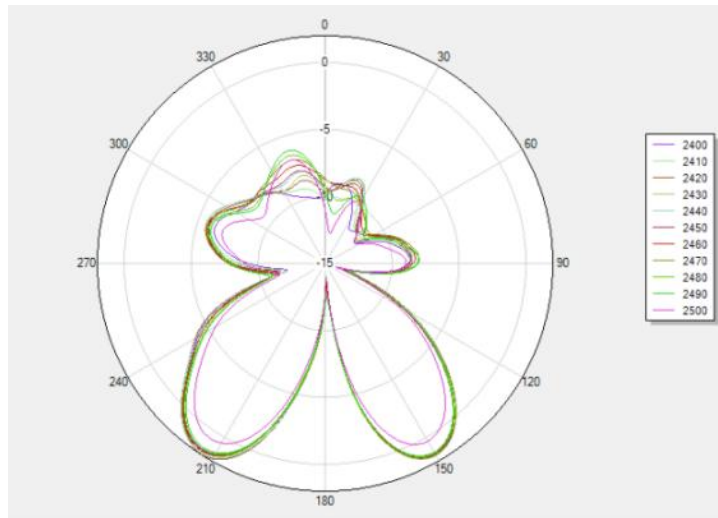
3.Test Results

3.1 Gain and Efficiency

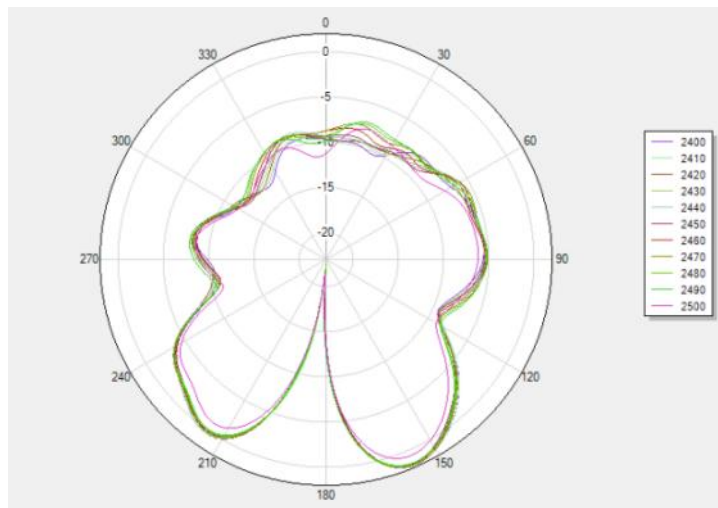
Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	2.11	32.36
2410	2.18	32.3
2420	2.21	32.1
2430	2.06	32.4
2440	2.07	32.9
2450	1.91	30.9
2460	2.04	30.8
2470	2.09	30.7
2480	1.98	31.6
2490	1.91	30.6
2500	1.03	30.5

3.2 Radiation Pattern

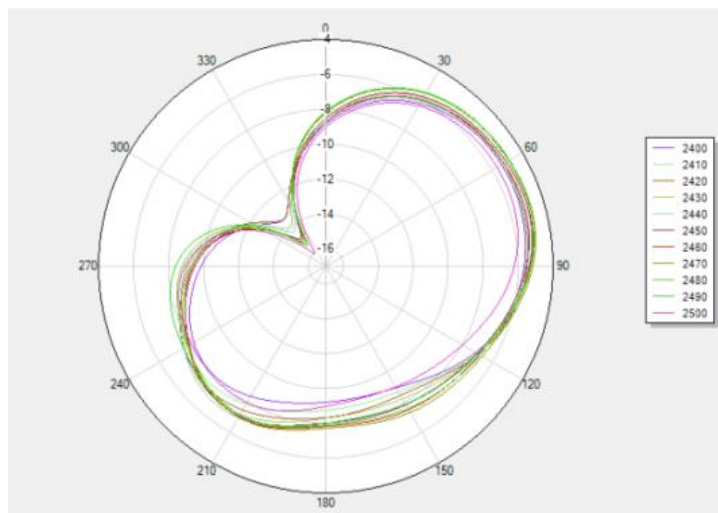
Phi 0 2D

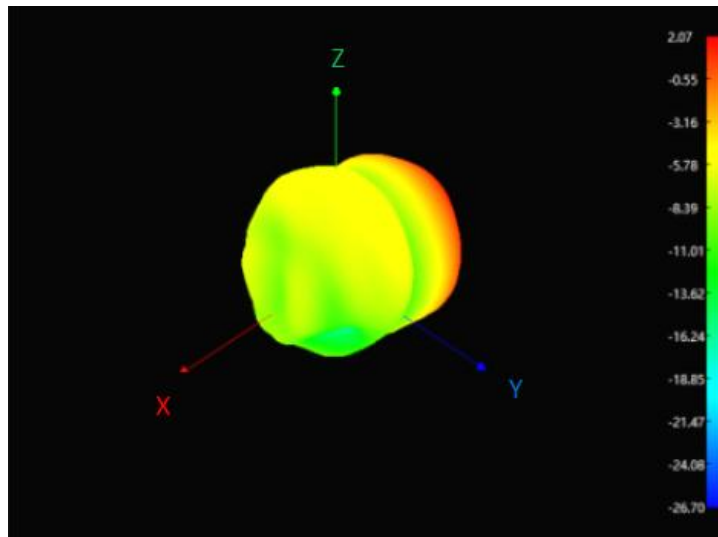


Phi 90 2D

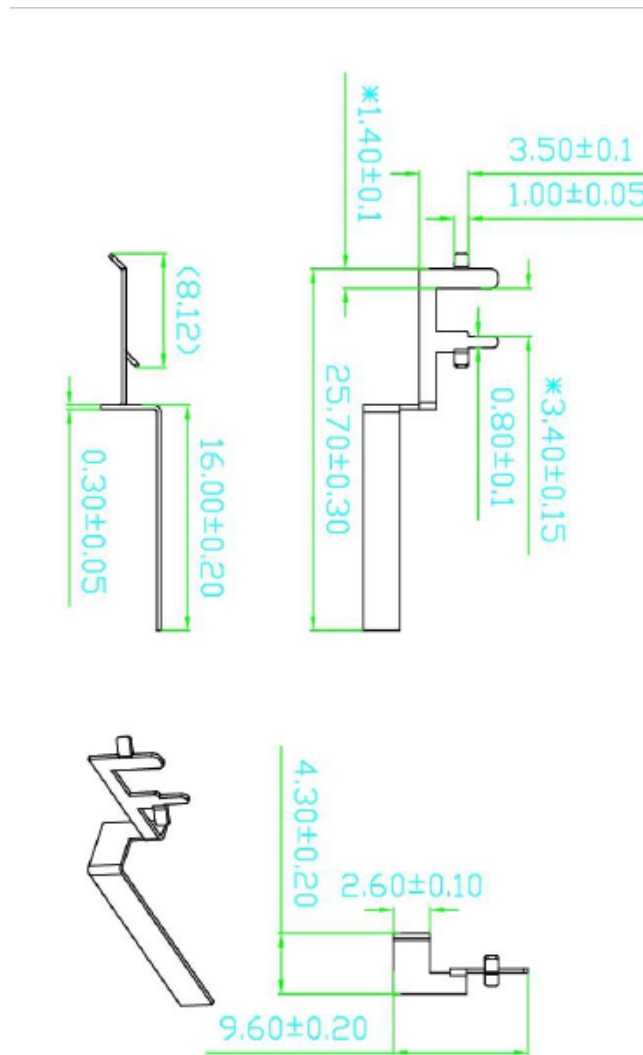


Theta 90 2D





4. Antenna Dimensions



6.Test Setup Photo

