Antenna Specification

Manufacture：Shenzhen Anycubic Technology Co.,Ltd

Product Name：Internal Antenna

Antenna Type：Internal Antenna

Test Date：2023.07.14

Tested by：Long Wang

Approved by：Licco

Content

1.General Description 1

2.Test Configurations 2

2.1 Test Environment 2

2.2 Test Equipment 2

2.3 Test Principle 2

3.Test Results 3

3.1 Gain and Efficiency 3

3.2 Radiation Pattern 4

4.Antenna Dimensions 6

5.EUT Photo 6

6.Test Setup Photo 7

1.General Description

Manufacturer	Shenzhen Anycubic Technology Co.,Ltd
Address	Room 101-501, Building No.11, Yinhai Industrial Park, Yinhe Community, Yuanshan Street, Longgang District, Shenzhen, Guangdong, China
Test Location	Room 101-501, Building No.11, Yinhai Industrial Park, Yinhe Community, Yuanshan Street, Longgang District, Shenzhen, Guangdong, China
Product Name	Internal Antenna
Product model	Anycubic
Antenna Type	Internal Antenna
Test Items	Gain; Efficiency; Radiation Pattern
Test Frequency	2400-2500MHz
Test Standard	ANSI/IEEE Std 149-1979

2.Test Configurations

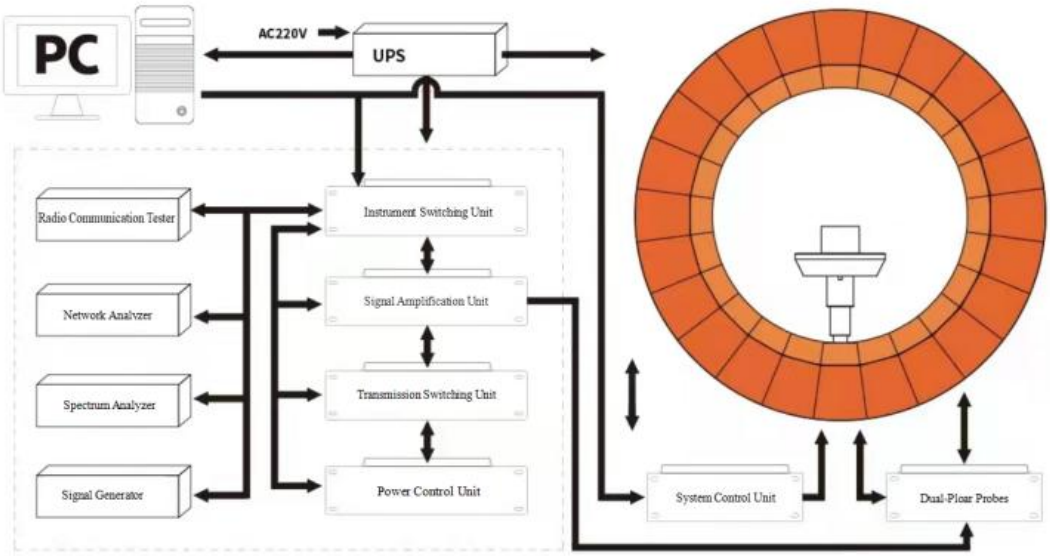
2.1 Test Environment

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

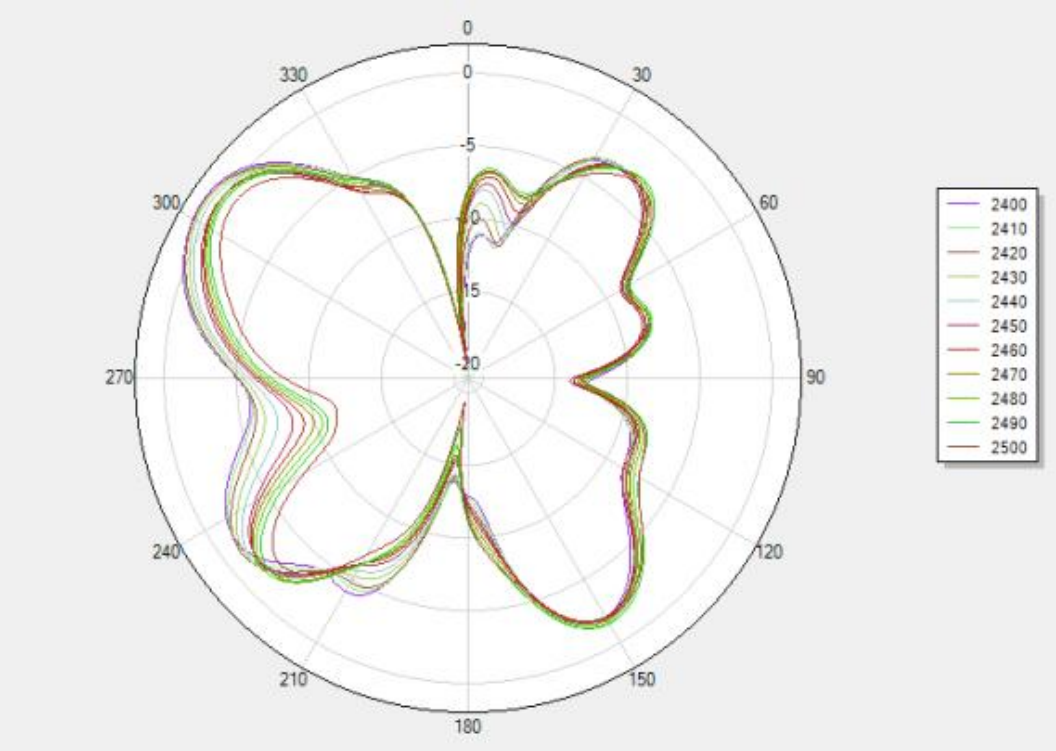
3.1 Gain and Efficiency

2.4GWIFI/BT:

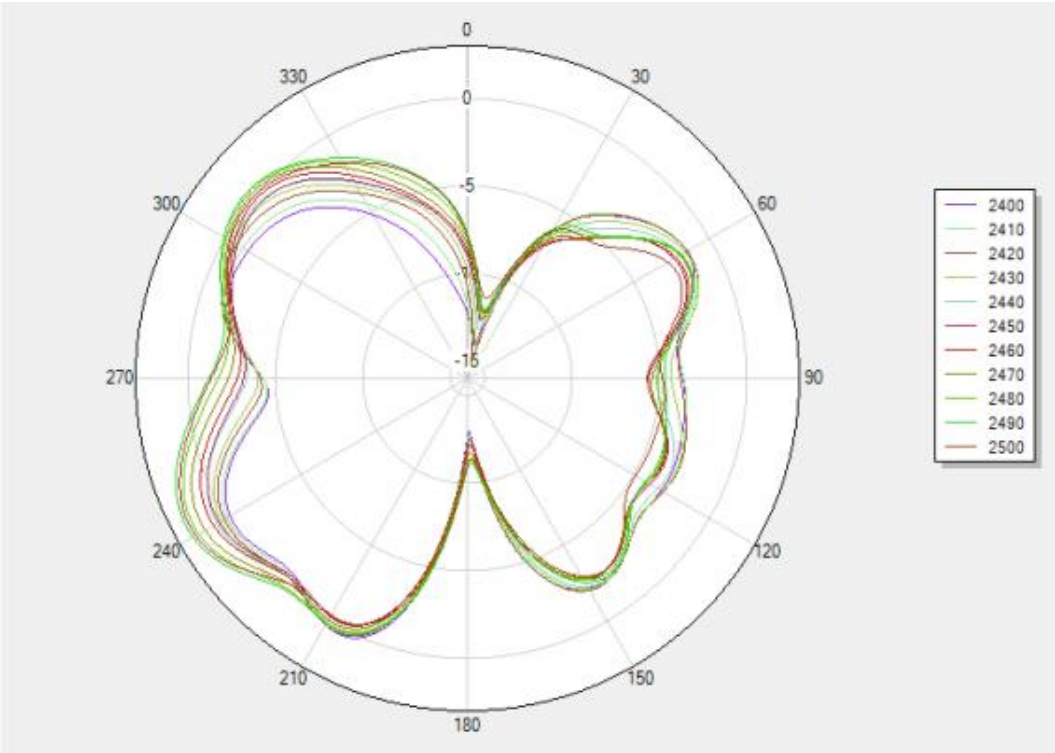
Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	1.62	52.29
2410	1.71	52.17
2420	1.93	53.14
2430	1.98	54.16
2440	2.00	57.62
2450	2.17	59.64
2460	2.45	61.55
2470	2.38	60.64
2480	2.54	62.86
2490	2.30	59.85
2500	2.49	60.41

3.2 Radiation Pattern

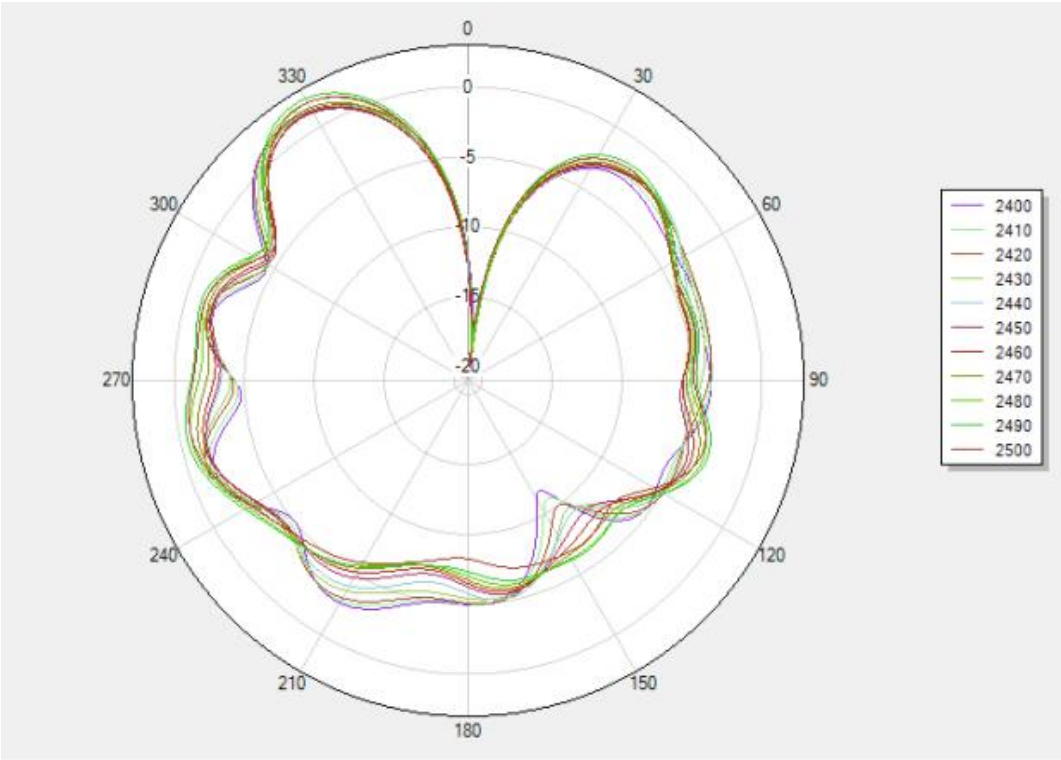
Phi 0 2D



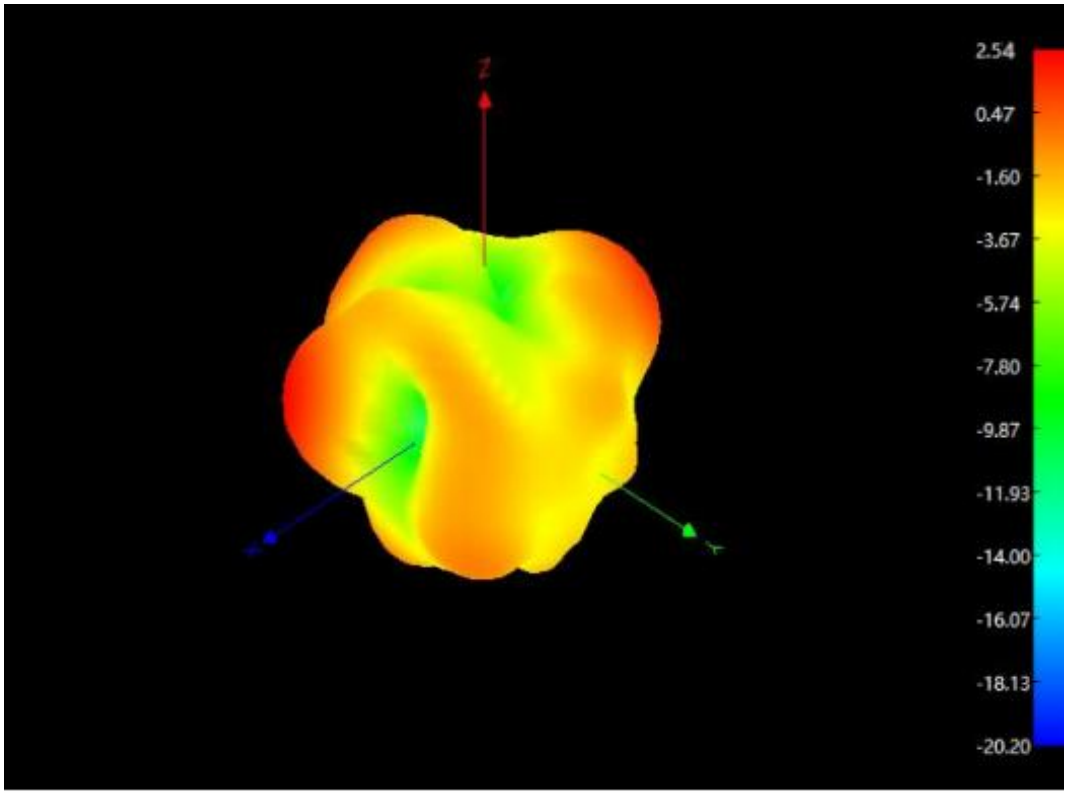
Phi 90 2D



Theta 90 2D

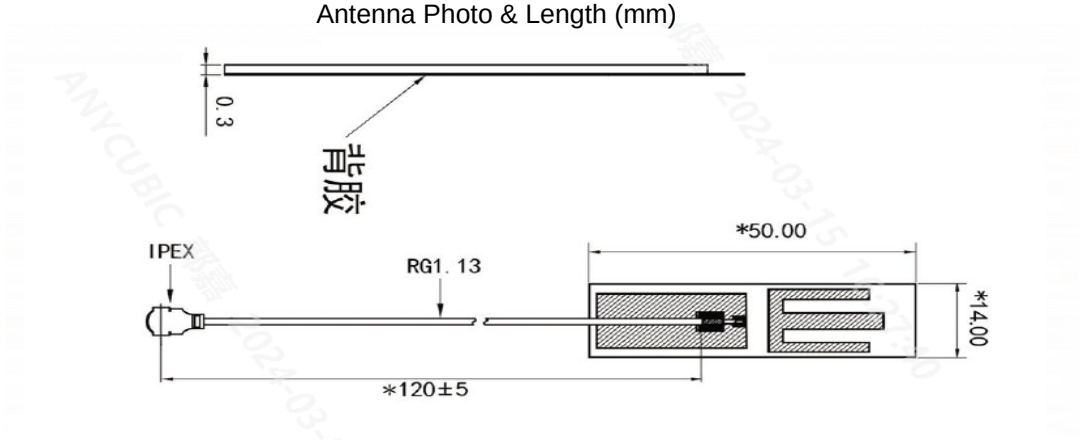


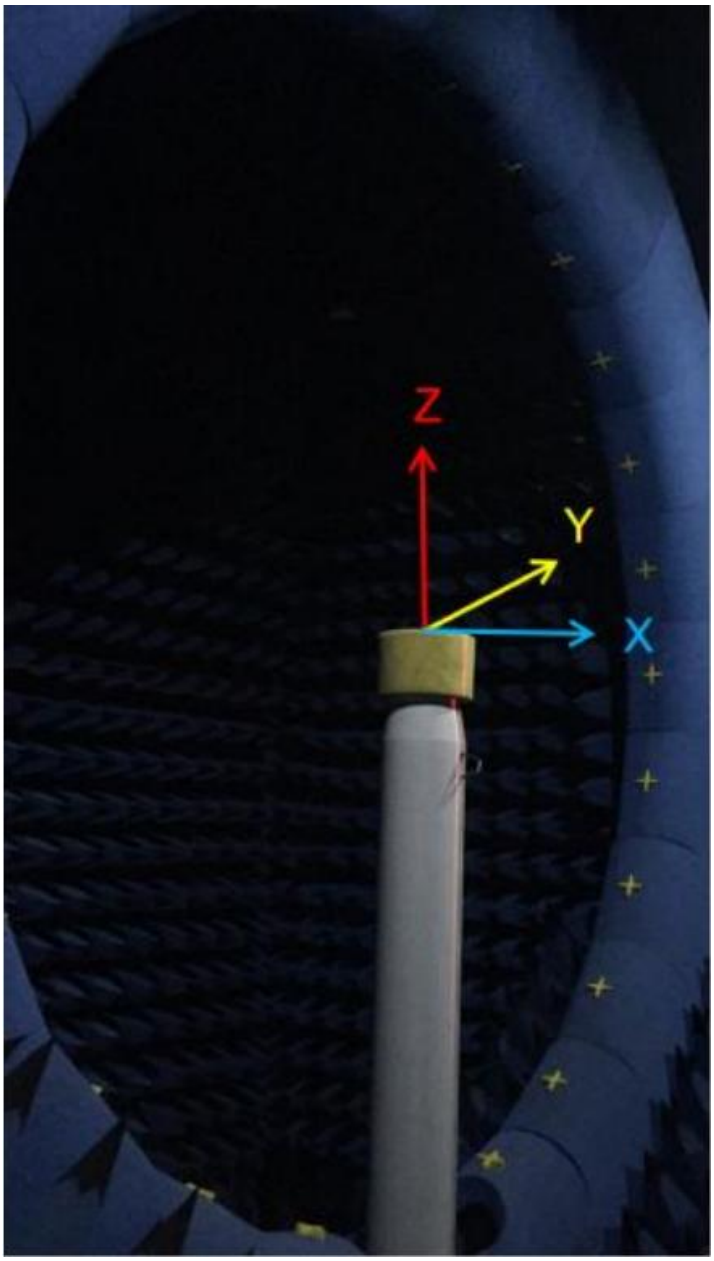
2480MHz 3D



4.Antenna Dimensions

Antenna Photo & Length (mm)



5.EUT Photo

6.Test Setup Photo