

Antenna Specification

Manufacture : Shanghai Caishang Industrial Co., Ltd

Product Name : CBT-RBT11

Antenna Type : PCB

Test Date : 2023.05.20

Tested by : Yaodeng Diantong Technology (Kunshan)
Co., Ltd

Approved by : MaFei

1.General Description

Manufacturer	Shanghai Caishang Industrial Co., Ltd
Address	Room 4679, Building 5, No. 59, Xibei Road, Luxiang Town, Jinshan District, Shanghai
Test Location	15Yingbin Road,Zhoushi Town,Kunshan City,Jiangsu
Product Name	CBT-RBT11 Antenna
Product model	CBT-RBT11
Antenna Type	PCB Antenna
Test Items	Gain; Efficiency; Radiation Pattern
Test Frequency	2400-2500MHz
Test Standard	ANSI/IEEE Std 149-1979

2.Test Configurations

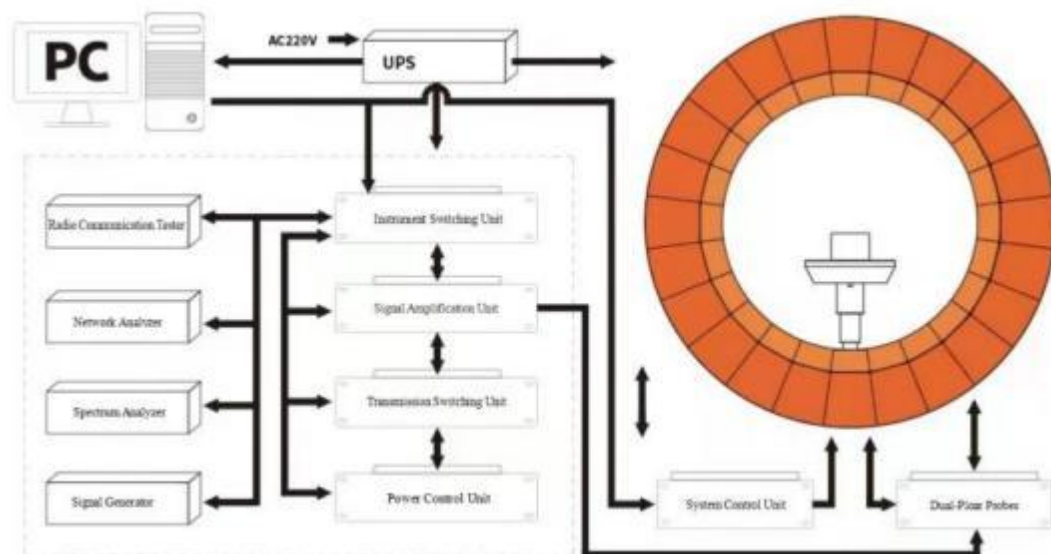
2.1 Test Environment

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



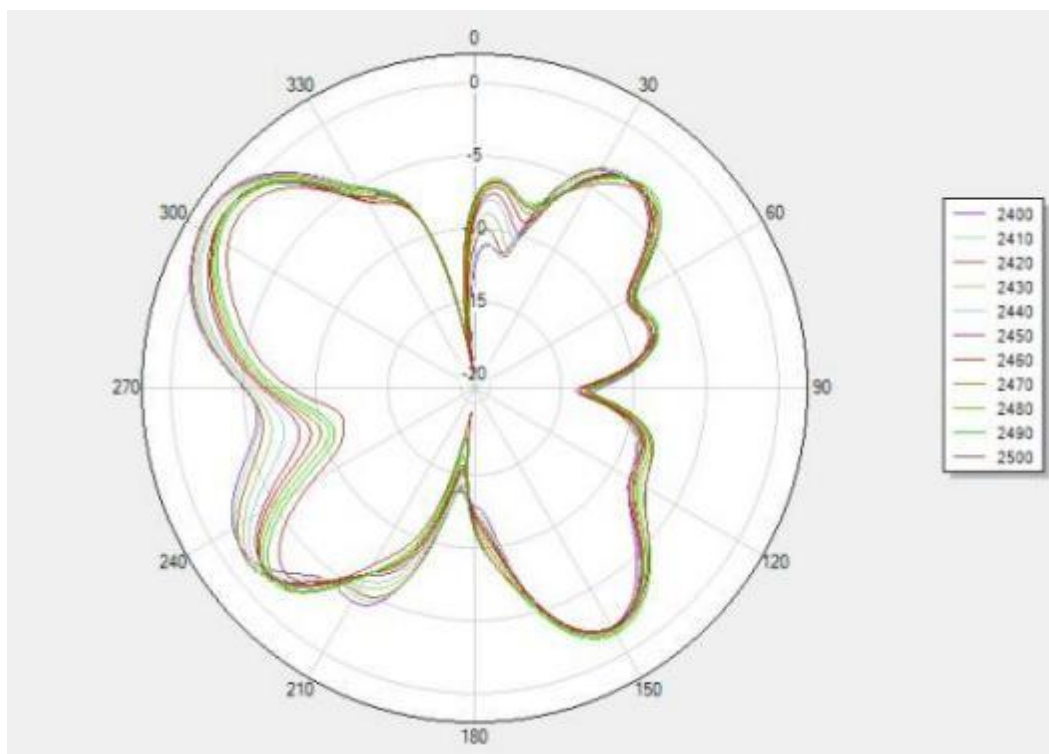
3.Test Results

3.1 Gain and Efficiency

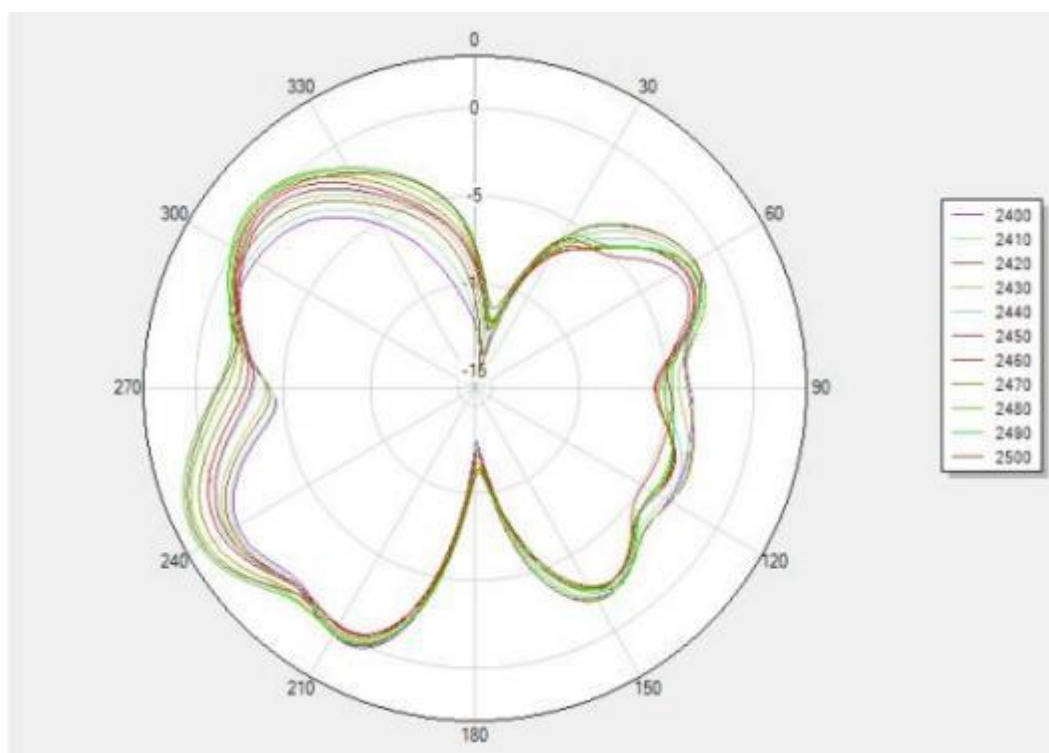
Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	1.62	52.29
2410	1.71	52.17
2420	1.93	53.14
2430	1.98	54.16
2440	2.00	57.62
2450	2.17	59.64
2460	3.00	61.55
2470	2.38	60.64
2480	2.54	62.86
2490	2.30	59.85
2500	2.49	60.41

3.2 Radiation Pattern

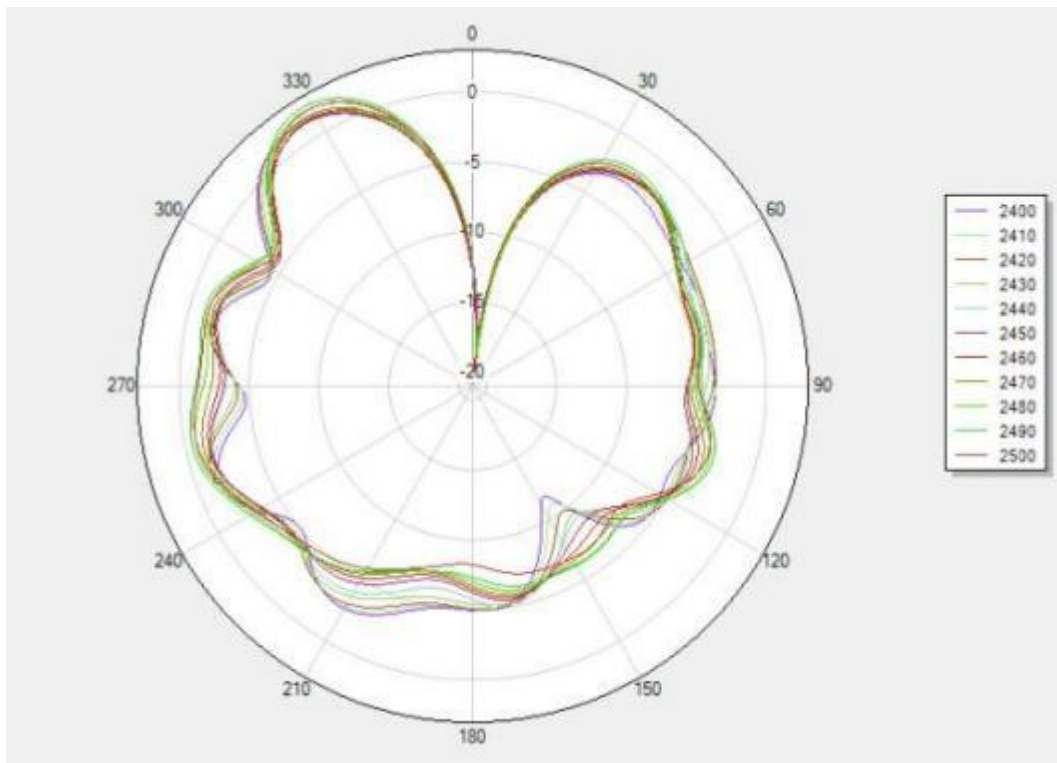
Phi 0 2D



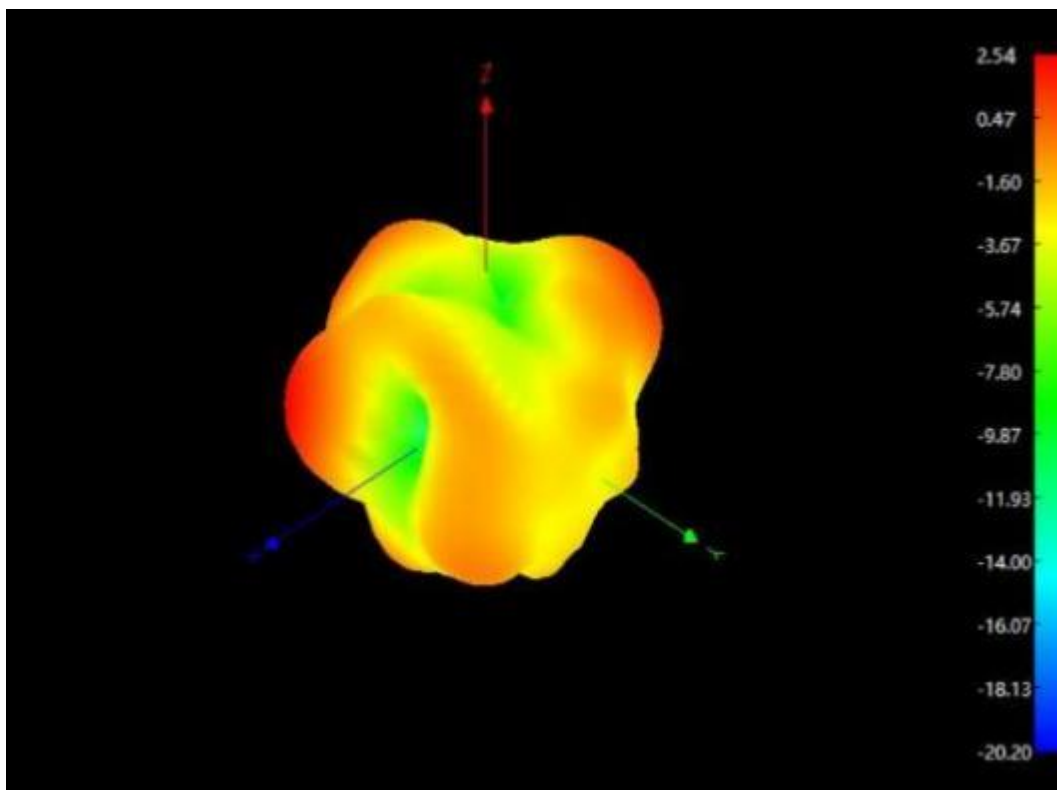
Phi 90 2D



Theta 90 2D

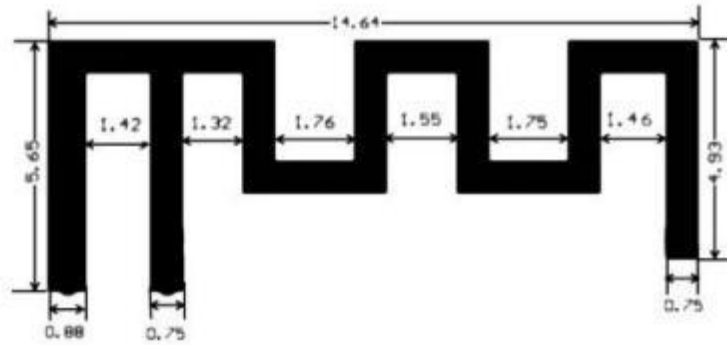


2480MHz 3D

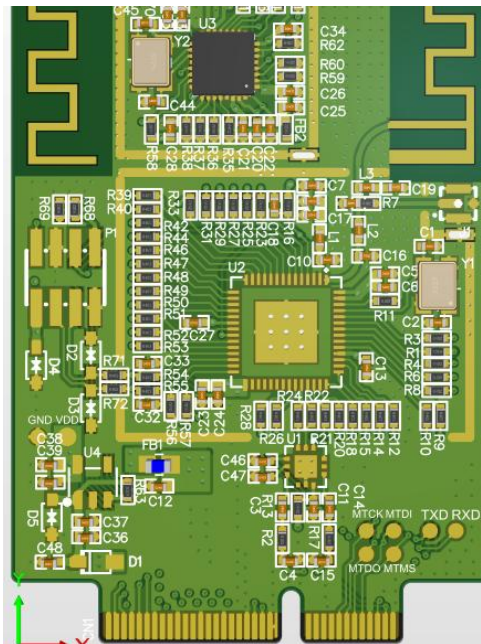


4. Antenna Dimensions

Unit: mm



5. EUT Photo



6.Test Setup Photo

