

Antenna Specification

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1.General Description

Manufacturer	Shenzhen FeiTeng Yun TECHNOLOGY CO.,LTD
Address	401, Building 1, No. 200 Kejie 2nd Road, Shutianpu Community, Matian Street, Guangming District, Shenzhen, Guangdong
Test Location	401, Building 1, No. 200 Kejie 2nd Road, Shutianpu Community , Matian Street, Guangming District, Shenzhen, Guangdong
Product Name	BREO-BT-A2 Antenna
Product model	BREO-BT-A2
Antenna Type	PCB Antenna
Test Items	Gain; Efficiency; Radiation Pattern
Test Frequency	2400-2500MHz
Test Standard	ANSI/IEEE Std 149-1979

2.Test Configurations

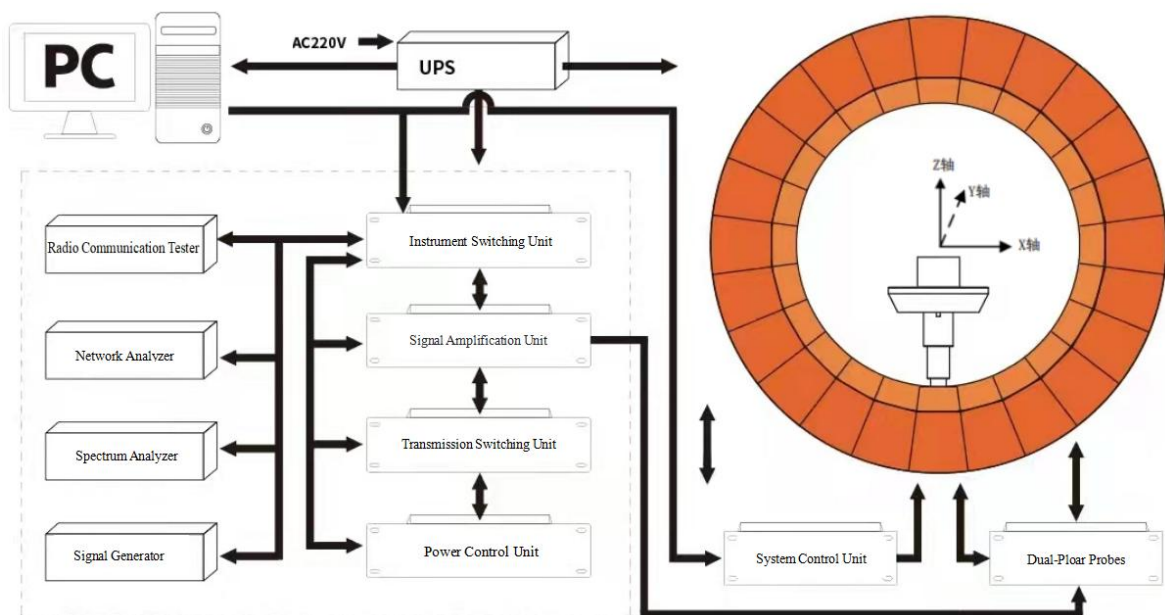
2.1 Test Environment

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



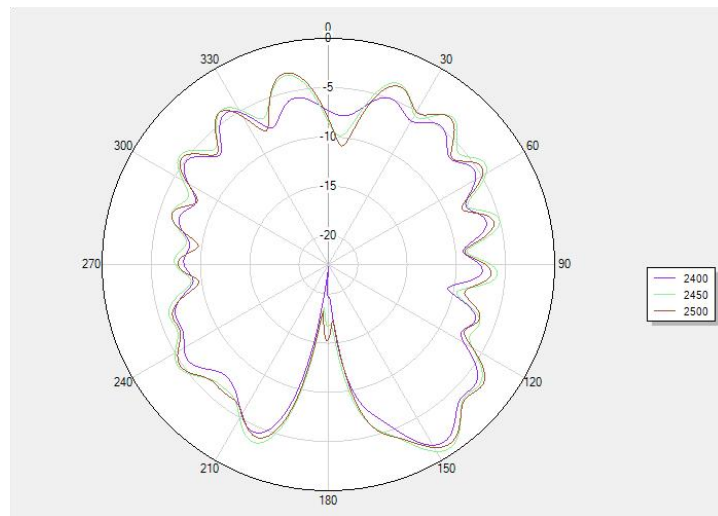
3.Test Results

3.1 Gain and Efficiency

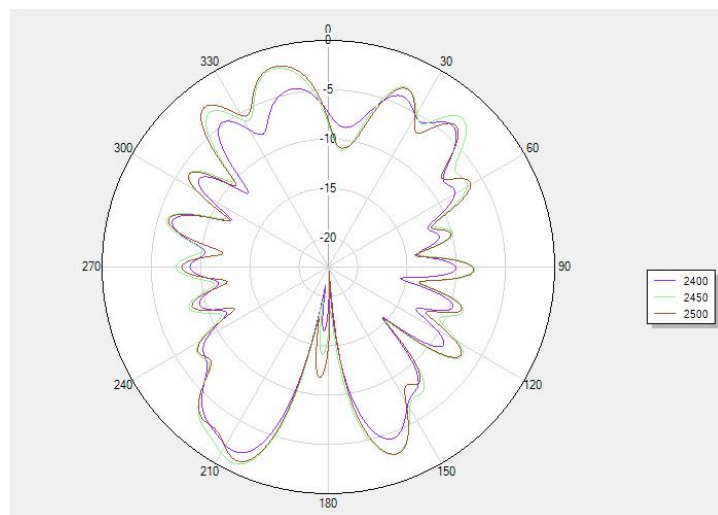
Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	-1.21	22.39
2410	-1.01	23.07
2420	-0.55	23.71
2430	-0.39	24.43
2440	-0.28	25.12
2450	-0.26	25.64
2460	-0.32	25.41
2470	-0.23	25.59
2480	-0.53	25.06
2490	-0.48	24.95
2500	-0.96	23.50

3.2 Radiation Pattern

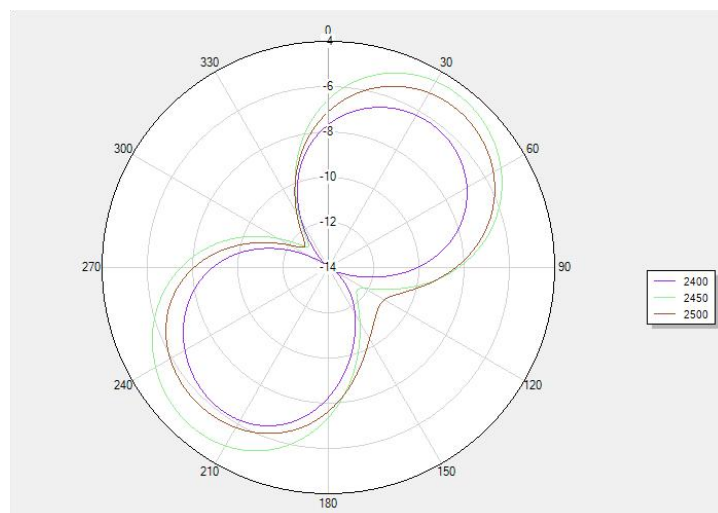
Phi 0 2D



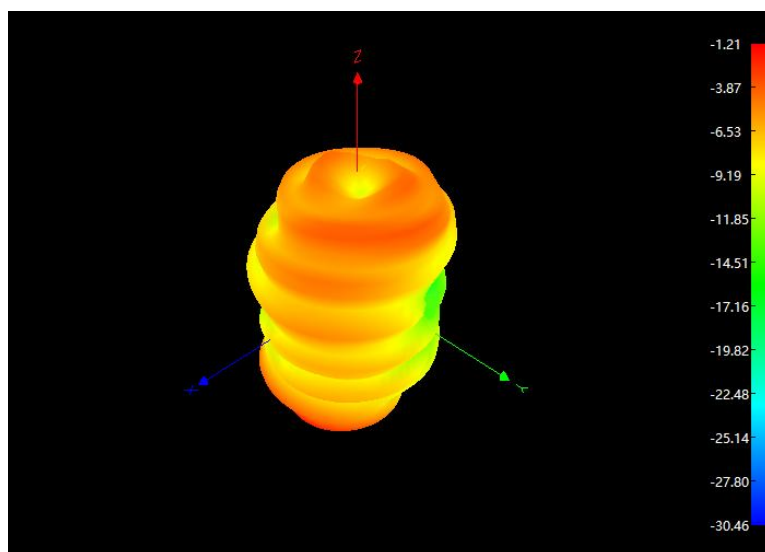
Phi 90 2D



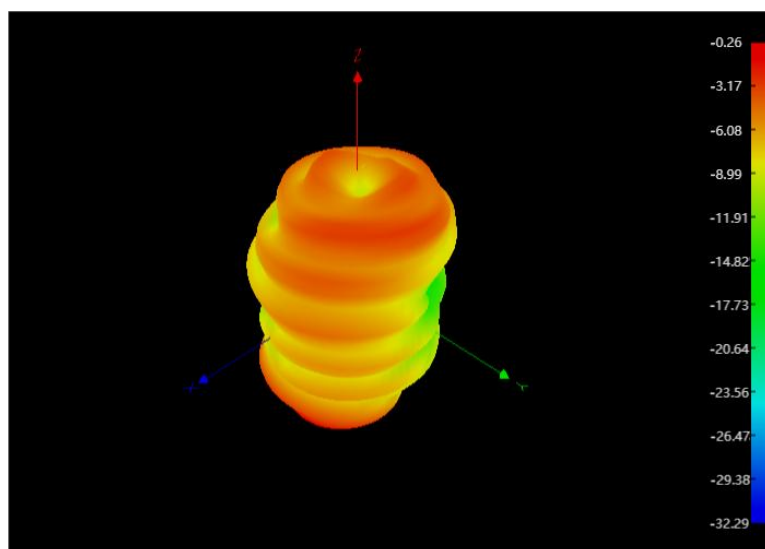
Theta 90 2D



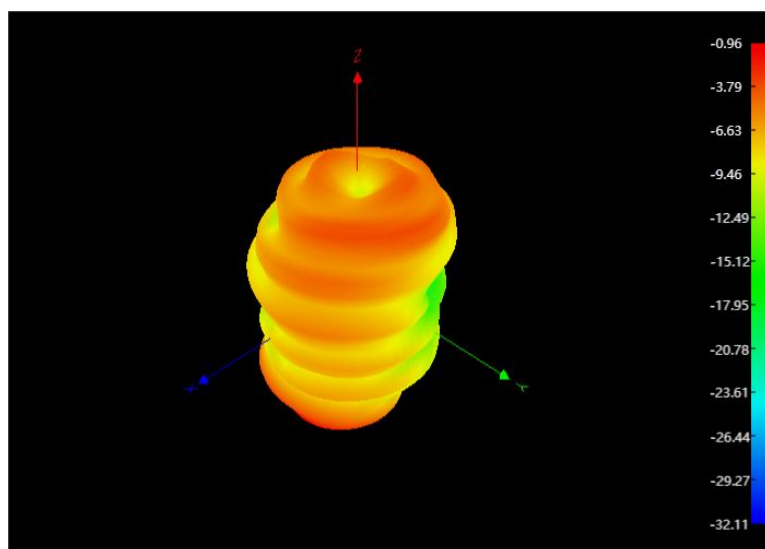
2400MHz 3D



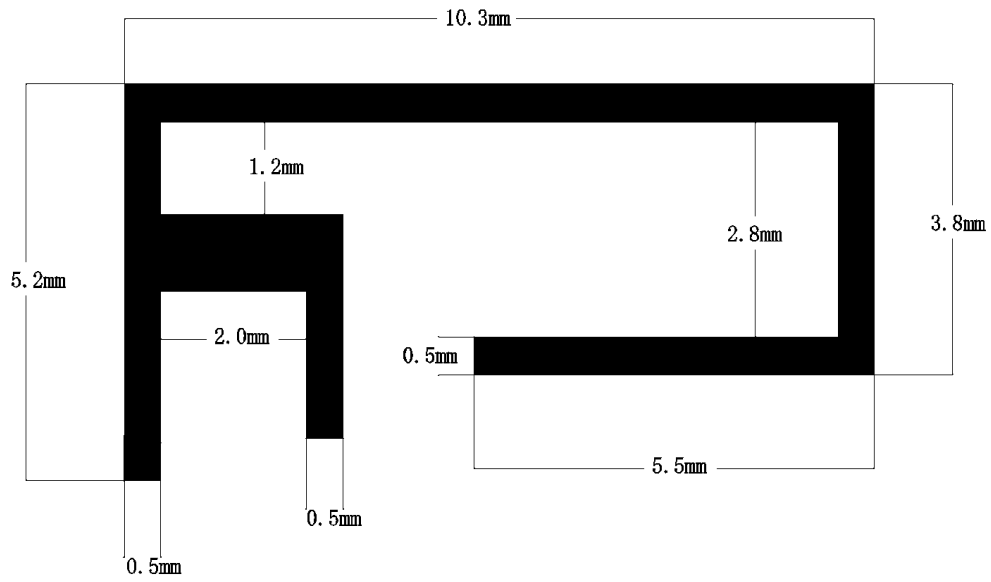
2450MHz 3D



2500MHz 3D



4. Antenna Dimensions



Unit: mm

5. EUT Photo

6.Test Setup Photo

