
Antenna Specification

Manufacture: JBD

Product Name: DP04S007

Antenna Type: PCB

Test Date: 2022.05.20

Tested by: Robin Lou

Approved by: Jack Lou

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1.General Description

Manufacturer	Shenzhen jiabaida Energy Storage Technology Co.,Ltd
Address	806 , Area B ,building6 ,Fashion Wigu ,Dalang Street ,Longhua District ,Shenzhen,China
Test Location	806 , Area B ,building6 ,Fashion Wigu ,Dalang Street ,Longhua District ,Shenzhen,China
Product Name	DP04S007
Product model	DP04S007
Antenna Type	PCB Antenna
Test Items	Gain; Efficiency; Radiation Pattern
Test Frequency	2400-2500MHz
Test Standard	ANSI/IEEE Std 149-1979

2.Test Configurations

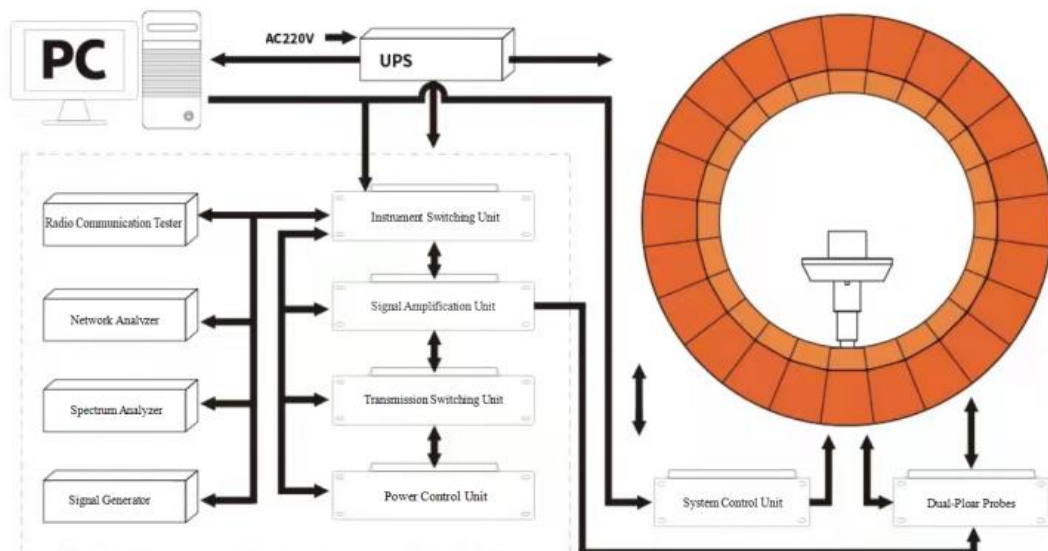
2.1 Test Environment

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



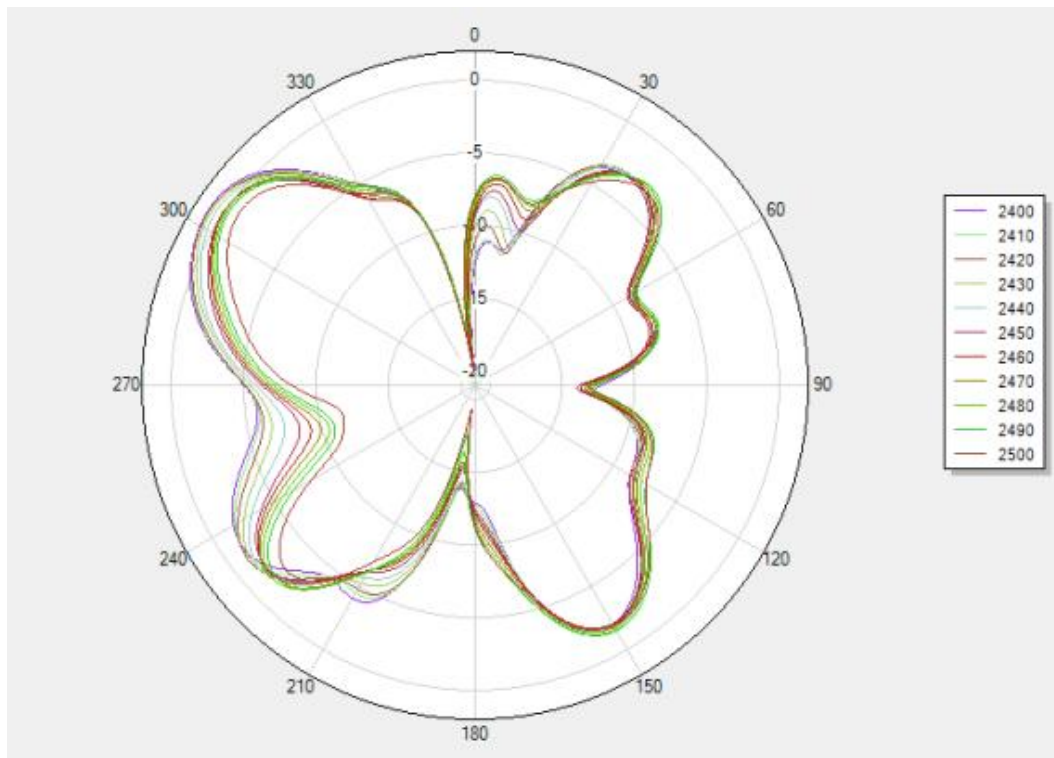
3.Test Results

3.1 Gain and Efficiency

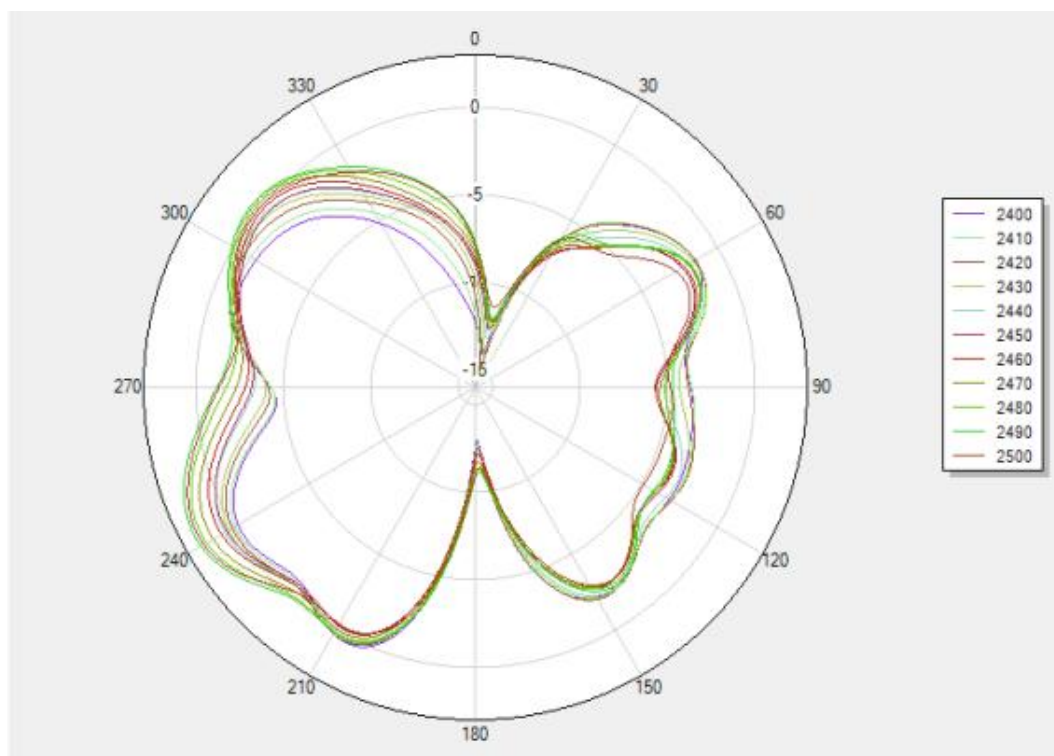
Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	1.62	52.29
2410	1.71	52.17
2420	1.93	53.14
2430	1.98	54.16
2440	2.00	57.62
2450	2.17	59.64
2460	2.45	61.55
2470	2.38	60.64
2480	2.54	62.86
2490	2.30	59.85
2500	2.49	60.41

3.2 Radiation Pattern

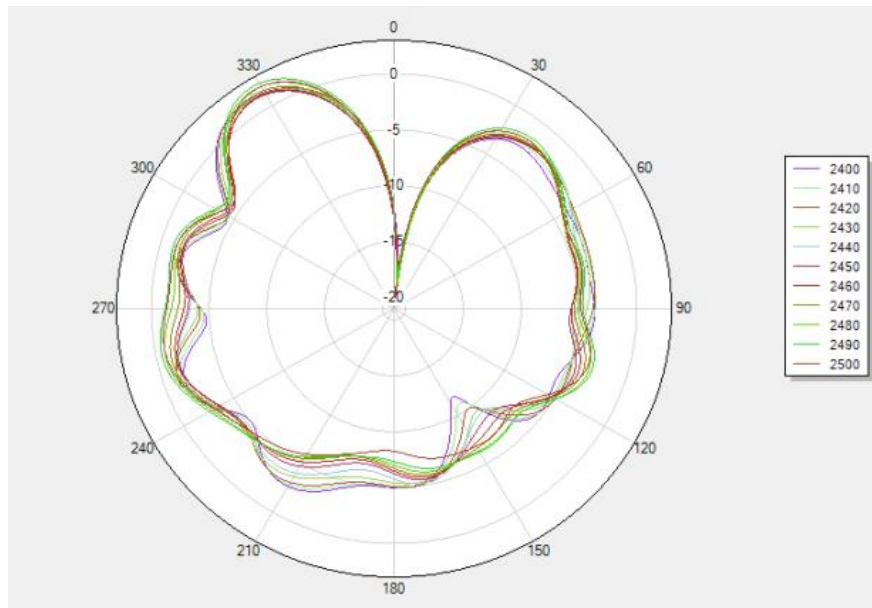
Phi 0 2D



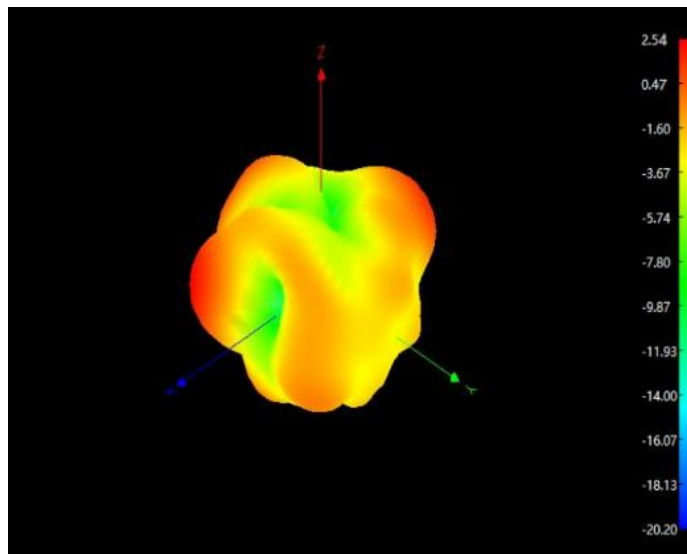
Phi 90 2D



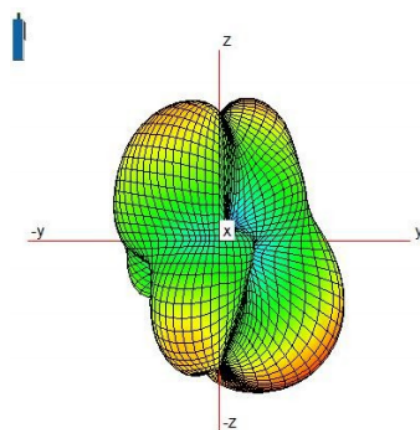
Theta 90 2D



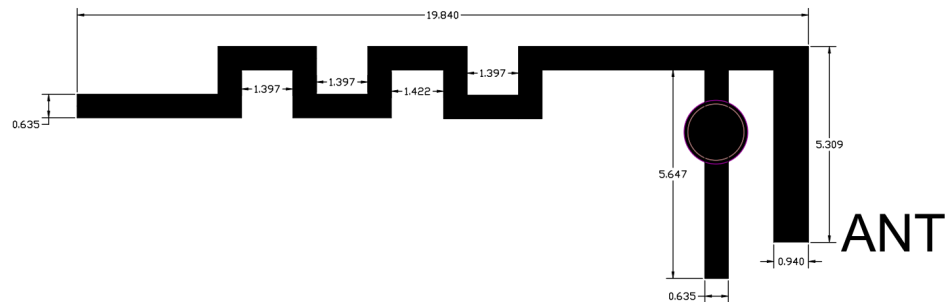
2480MHz 3D



2440MHZ 3D



4. Antenna Dimensions



5. EUT Photo



6.Test Setup Photo

