
Antenna Specification

Manufacture: LuckySmart

Product Name: GT1 DUAL

Antenna Type: PCB

Test Date : 2025.03.10

Tested by: LiZhi Fang

Approved by: XinXian Zhu

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1.General Description

Manufacturer	ZheJiang LuckySmart Technology Co.,Ltd
Address	No.1966 CunTong Road, JinHua, Zhejiang,China
Test Location	Room 302, No. 92, Lingxia Road, BaoAn District, ShenZhen
Product Name	GT1 DUAL
Product model	GT1 DUAL
Antenna Type	PCB Antenna
Test Items	Gain; Efficiency; Radiation Pattern
Test Frequency	2400-2500MHz
Test Standard	ANSI/IEEE Std 149- 1979

2. Test Configurations

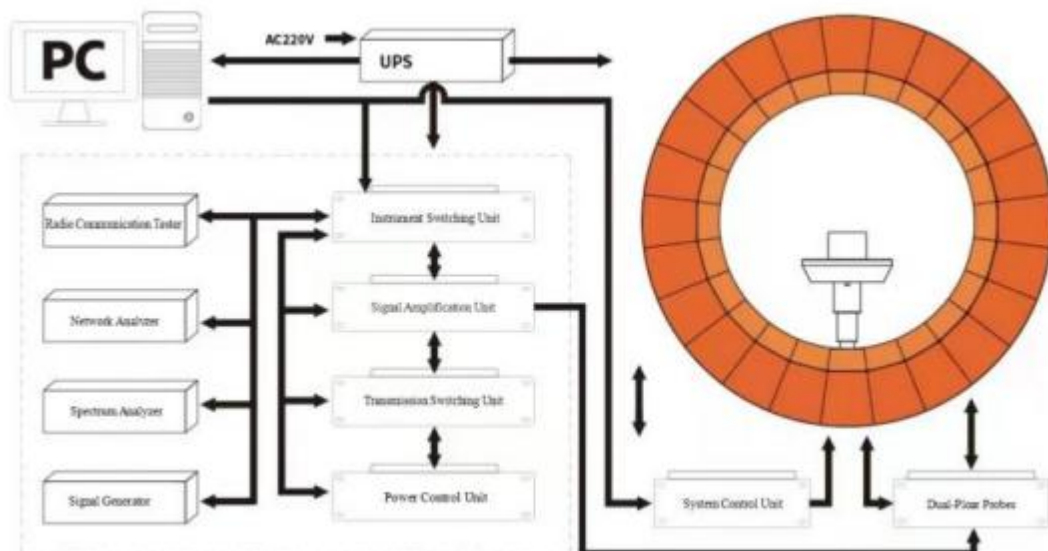
2.1 Test Environment

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



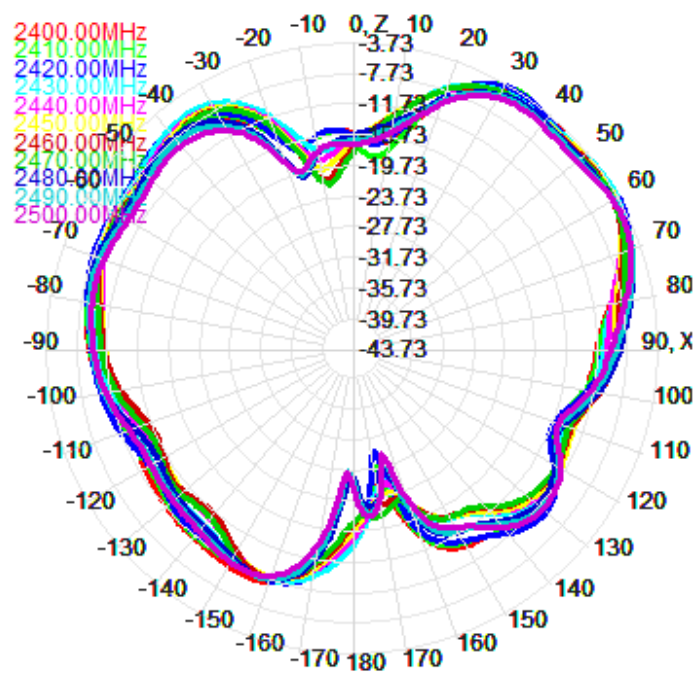
3.Test Results

3.1 Gain and Efficiency

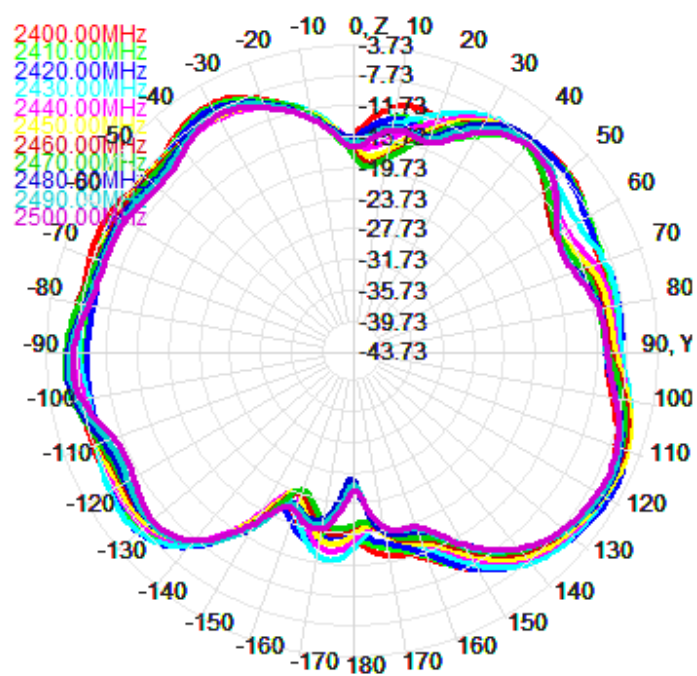
Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	-3.02	14.22
2410	-3.20	14.11
2420	-3.37	14.08
2430	-3.81	13.58
2440	-4.16	12.19
2450	-3.96	12.24
2460	-4.06	11.75
2470	-3.89	11.64
2480	-3.80	11.43
2490	-3.87	10.86
2500	-4.01	10.15

3.2 Radiation Pattern

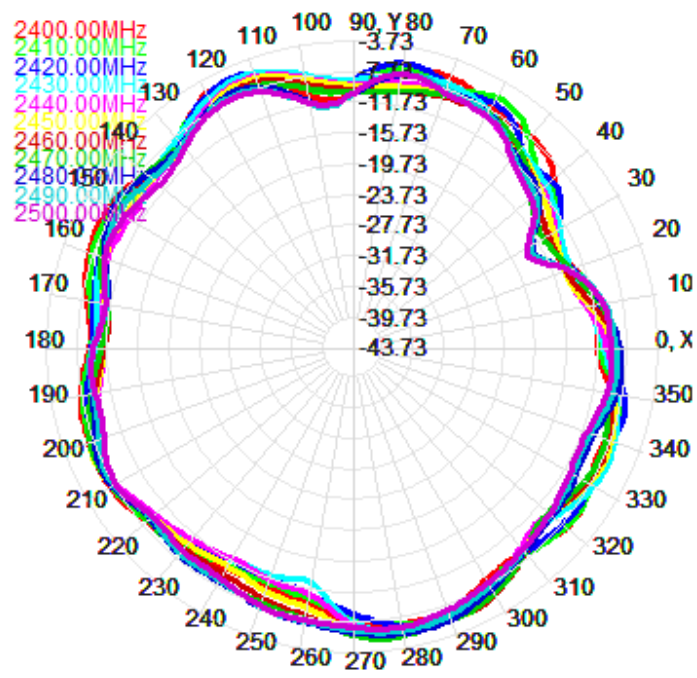
Phi 0 2D



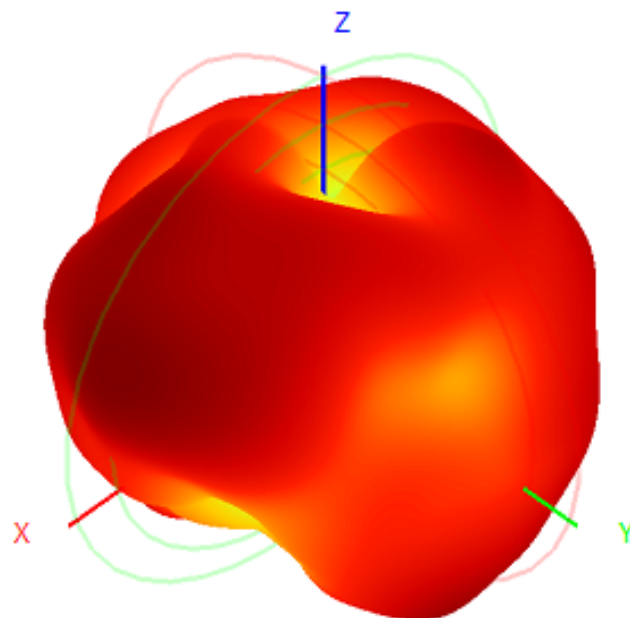
Phi 90 2D



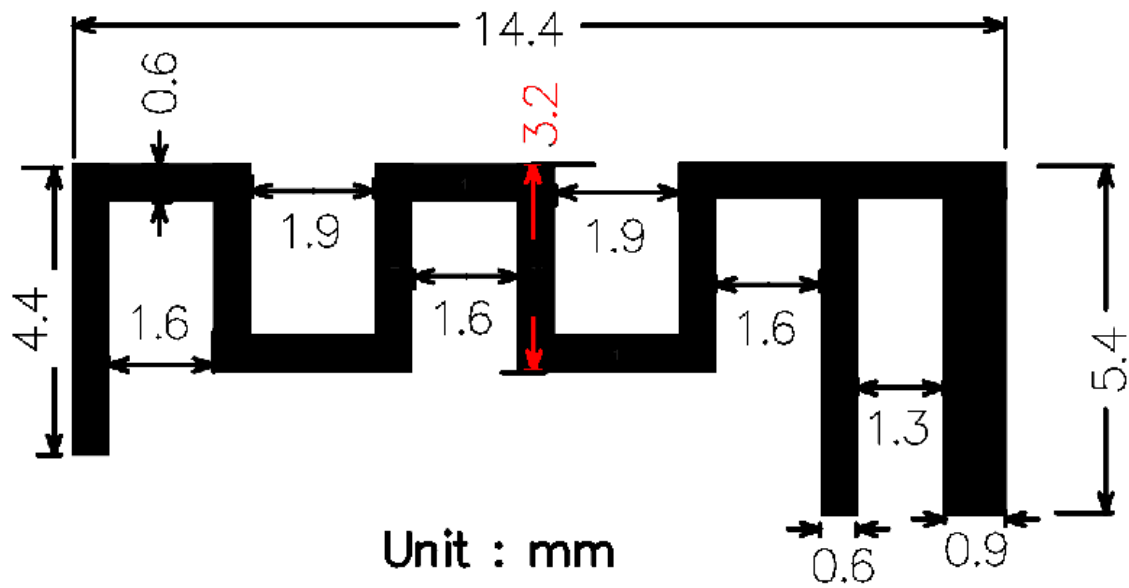
Theta 90 2D



2450MHz 3D



4. Antenna Dimensions



5. EUT Photo



6. Test Setup Photo

