



Antenna Specification

Manufacture: TUYA

Product Name: T1-2S-NL Antenna

Antenna Type: PCB

Test Date: 2024.2.22

Tested by: Zhenye Cao

Approved by: Licco

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1.General Description

Manufacturer	Hangzhou Tuya Information Technology Co.,Ltd
Address	Room 301, Building 1, Huace Center, Xihu District, Hangzhou City, Zhejiang Province, China
Test Location	Room 106, Building 3, Letong Science Park, No. 500, Qiuyi Road, Binjiang District, Hangzhou
Product Name	T1-2S-NL Antenna
Product model	T1-2S-NL
Antenna Type	PCB Antenna
Test Items	Gain; Efficiency; Radiation Pattern
Test Frequency	2400-2500MHz
Test Standard	ANSI/IEEE Std 149-1979

2. Test Configurations

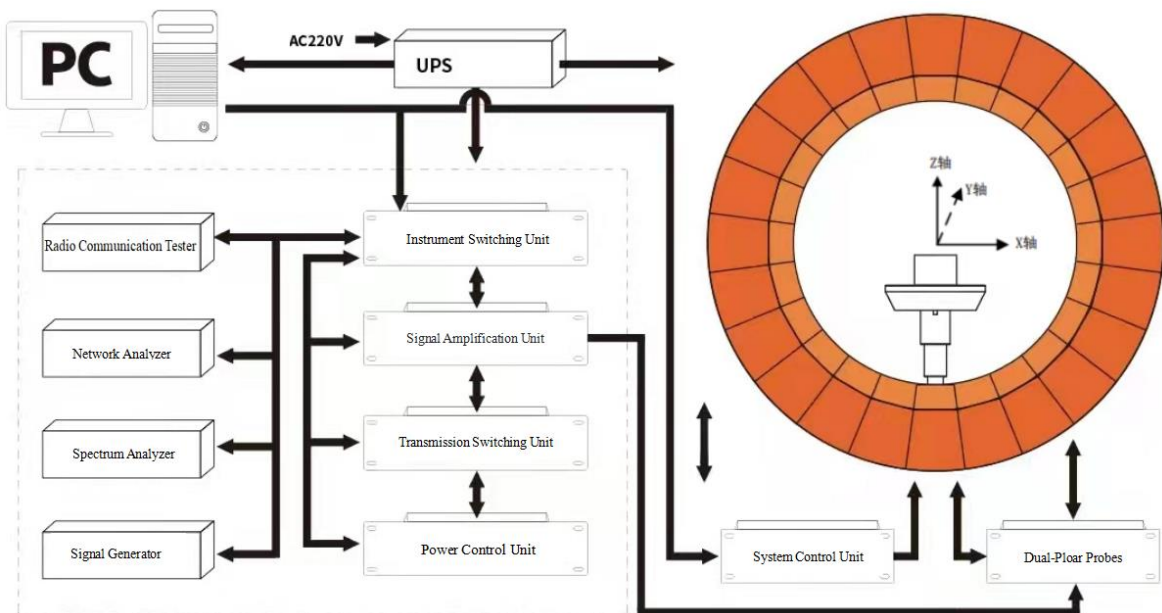
2.1 Test Environment

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



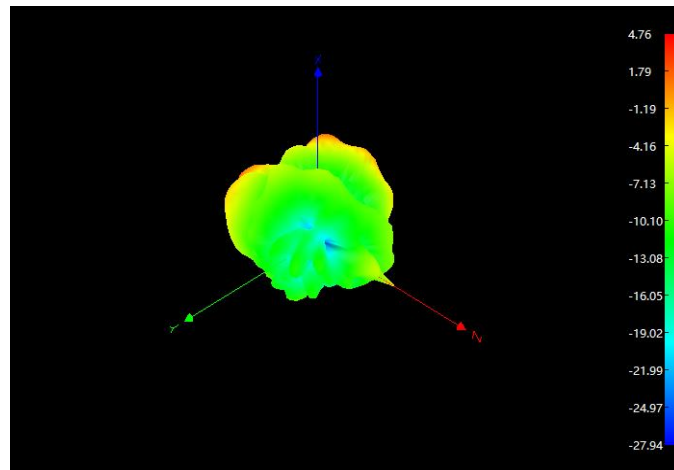
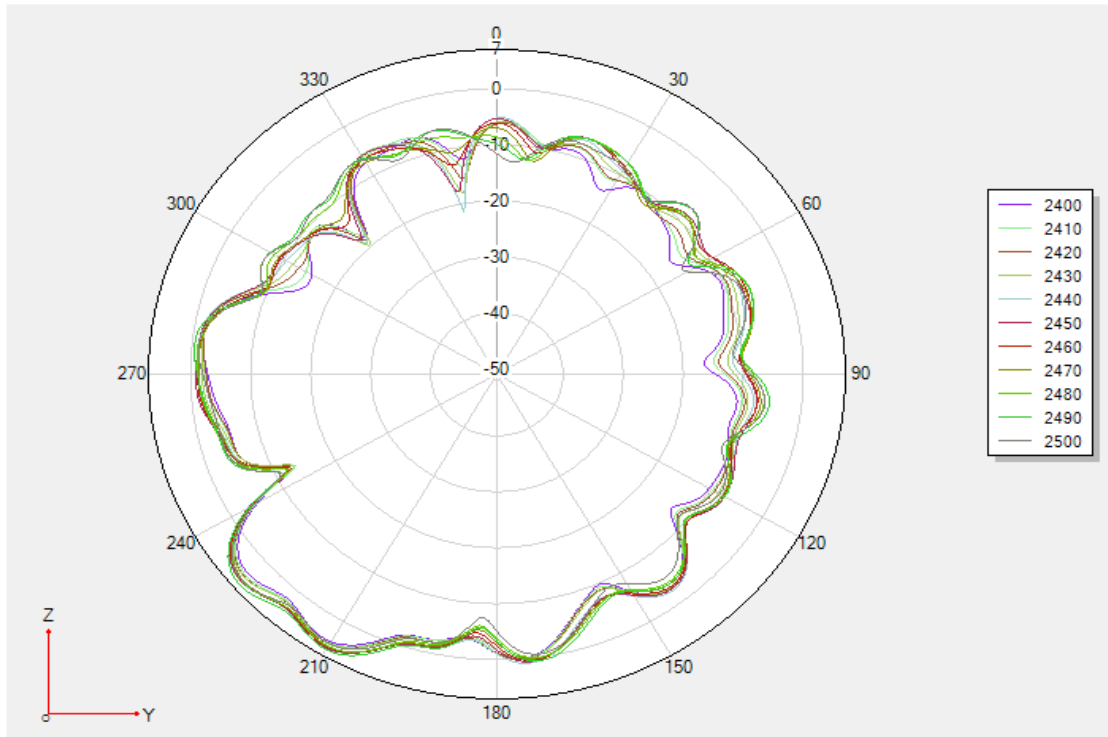


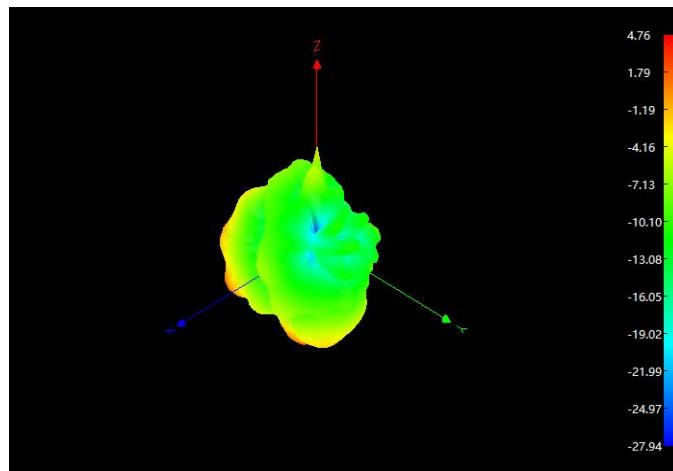
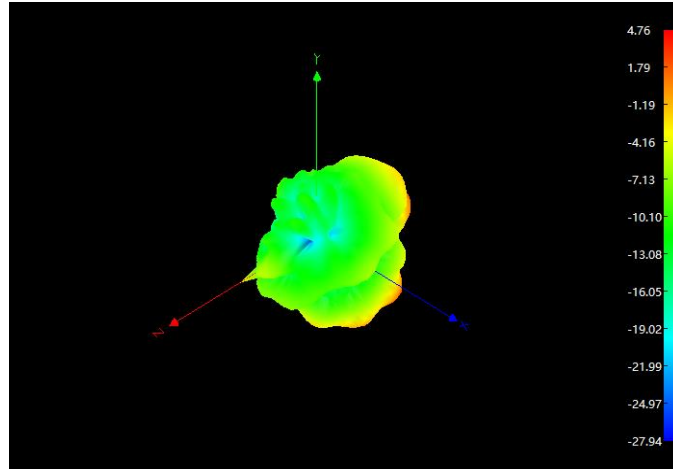
3.Test Results

3.1 Gain and Efficiency

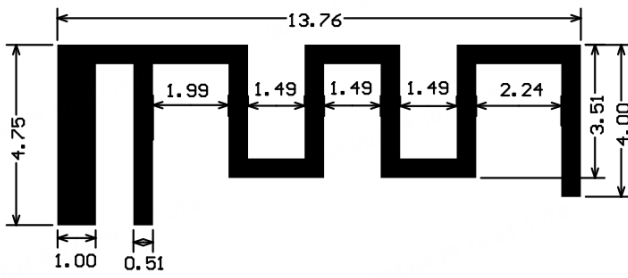
Frequency (MHz)	Efficiency(%)	Gain (dBi)
2400	27.61	2.2
2410	29.79	2.03
2420	30.27	2.06
2430	31.48	2.01
2440	36.98	1.9
2450	38.19	1.82
2460	36.9	1.86
2470	35.89	2
2480	37.93	2.06
2490	43.35	2.12
2500	36.73	1.66

3.2 Radiation Pattern





4. Antenna Dimensions



单位: mm

5. EUT Photo



6. Test Setup Photo

