

Antenna

Version 1.0.0

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NO: 0000000001

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Intelligence
Inside

Product Name:

CBU

Antenna Type:

PCB antenna

Writer:

Yinhua Zhang

Maximum

Gain: 2.21dBi

Efficiency:32.96%

Manufacturer

Hangzhou Tuya Information Technology Co.,Ltd

Address

Room 701,Building 3,More Center,No.87 GuDun Road,
Hangzhou, Zhejiang,China

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该份测试数据仅对涂鸦CBU成品模

若模块为客户自制，则无效



1. General Description

EUT Name	CBU Antenna
Wireless type	WIFI
Antenna Type	PCB antenna
Dimensions	Appendix A

2. Technical Information

Frequency Range	2402MHz~2480MHz
Test Frequency	2400,2410.....2500MHz

3. Test Standards

Identity	Document Title
IEEE 149-1979	IEEE Standard Test Procedures for Antennas

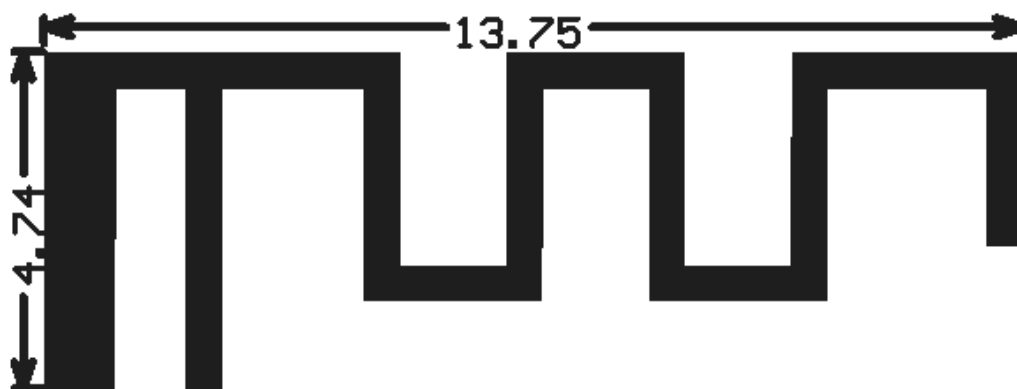
4. Test Item

Report Section	Description
Appendix B	S11/VSWR
Appendix C	Gain and Efficiency
Appendix D	Radiation Pattern (1D and 3D)

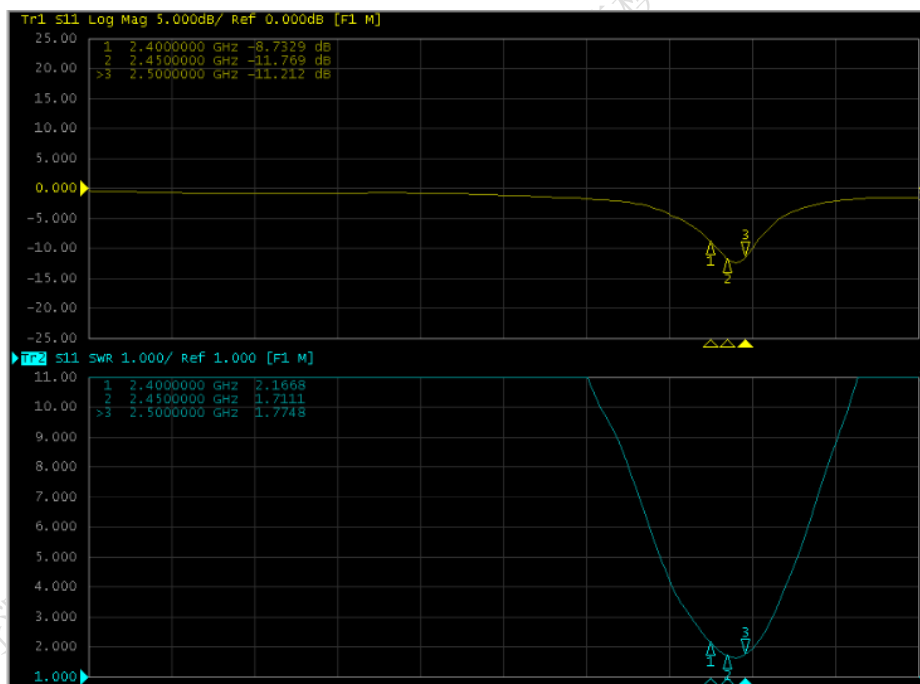
5. Test Photo

Report Section	Description
Appendix E	Test Setup Photo

Appendix A Antenna Dimension



Appendix B S11/VSWR



Frequency (MHz)	2400	2450	2500
Return Loss	-8.73	-11.76	-11.21

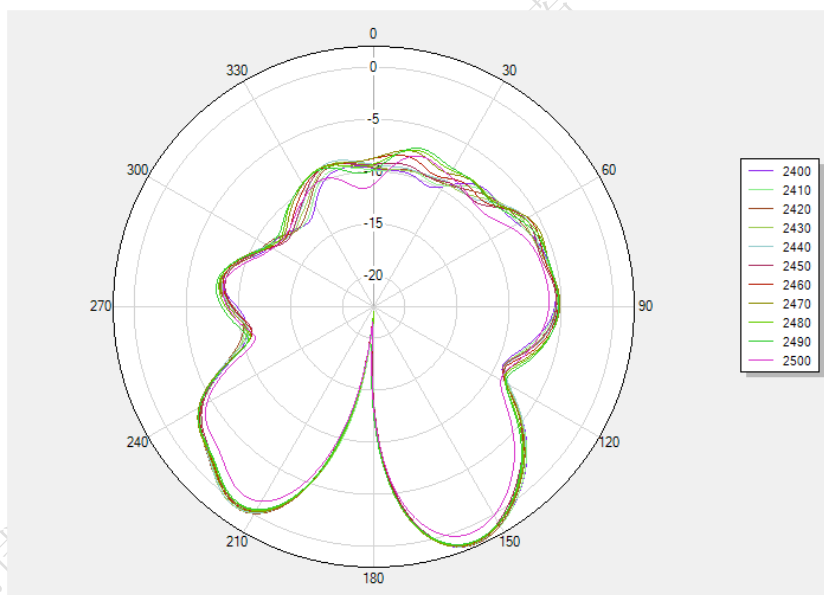
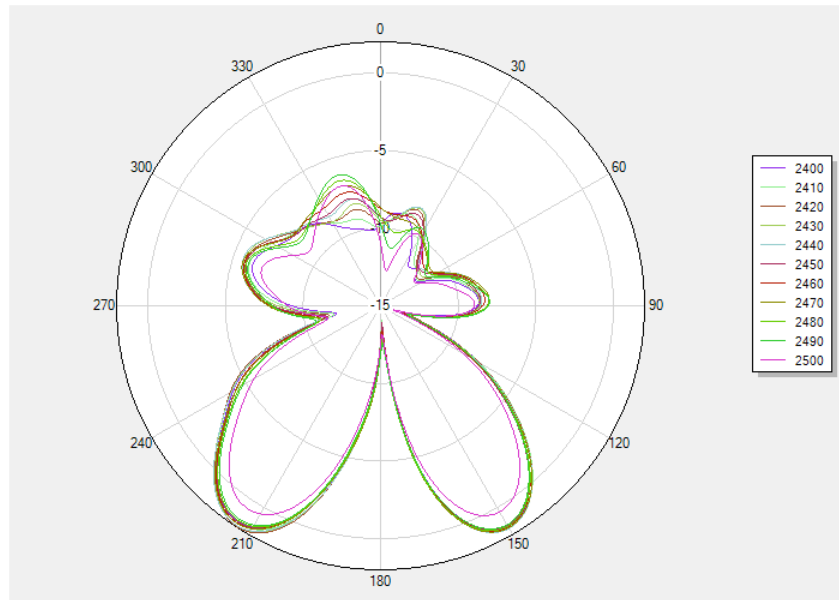


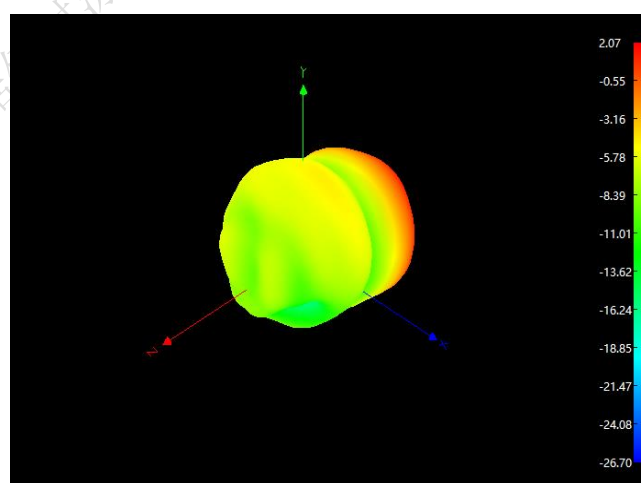
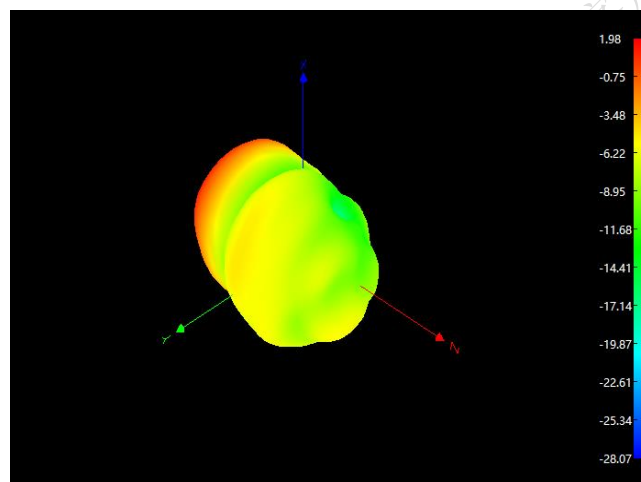
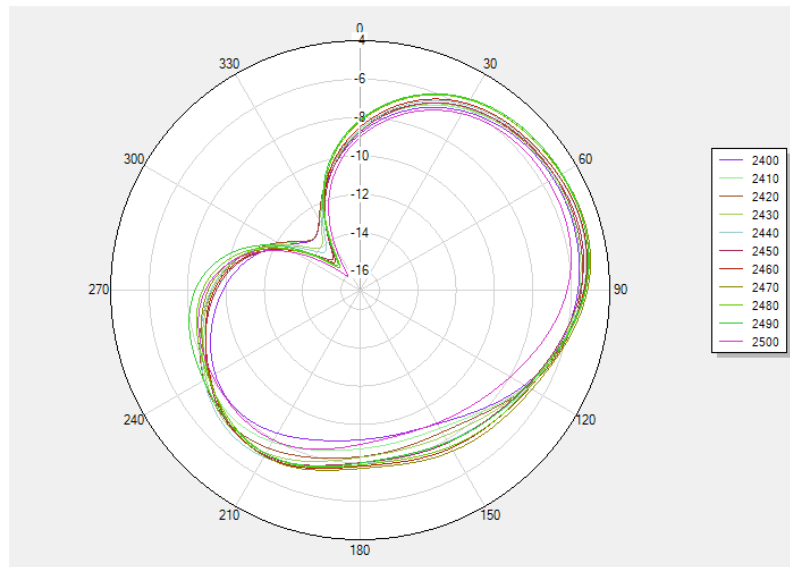
VSWR	2.16	1.71	1.77
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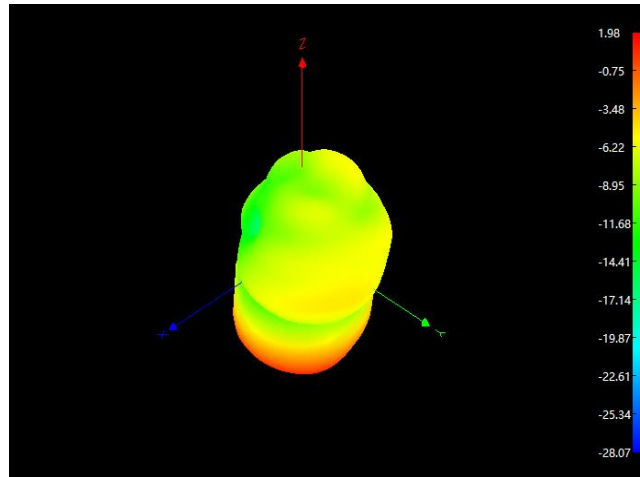
Appendix C Gain and Efficiency

Frequency (MHz)	Efficiency(%)	Gain (dBi)
2400	32.36%	2.11
2410	32.3%	2.18
2420	32.1%	2.21
2430	32.4%	2.06
2440	32.9%	2.07
2450	30.9%	1.91
2460	30.8%	2.04
2470	30.7%	2.09
2480	31.6%	1.98
2490	30.6%	1.91
2500	30.5%	1.03

Appendix D Radiation Pattern(1D and 3D)







Appendix E Test Setup Photo

