

Antenna  
Test Report

## CB3S Antenna test report

Version 1.0.0

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NO: 000000001

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Inside

Product Name:	CB3S
Antenna Type:	PCB antenna
Writer:	Jianwei Wang
Maximum	Gain: 1.37dBi
	Efficiency:47.2%
Manufacturer	Hangzhou Tuya Information Technology Co., Ltd

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## 1. General Description

EUT Name	CB3S 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

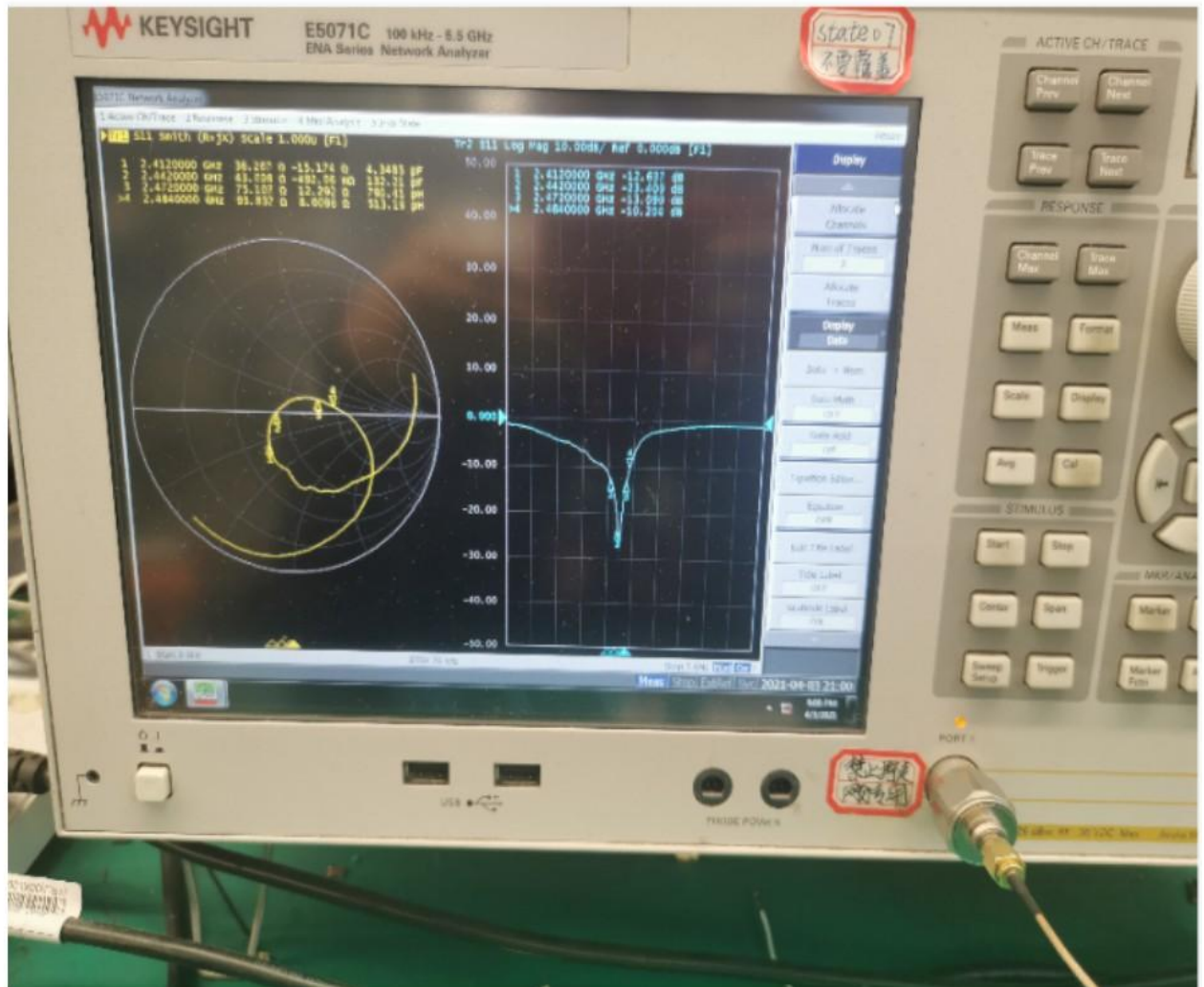
## 4. Test Item

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 B S11/VSWR

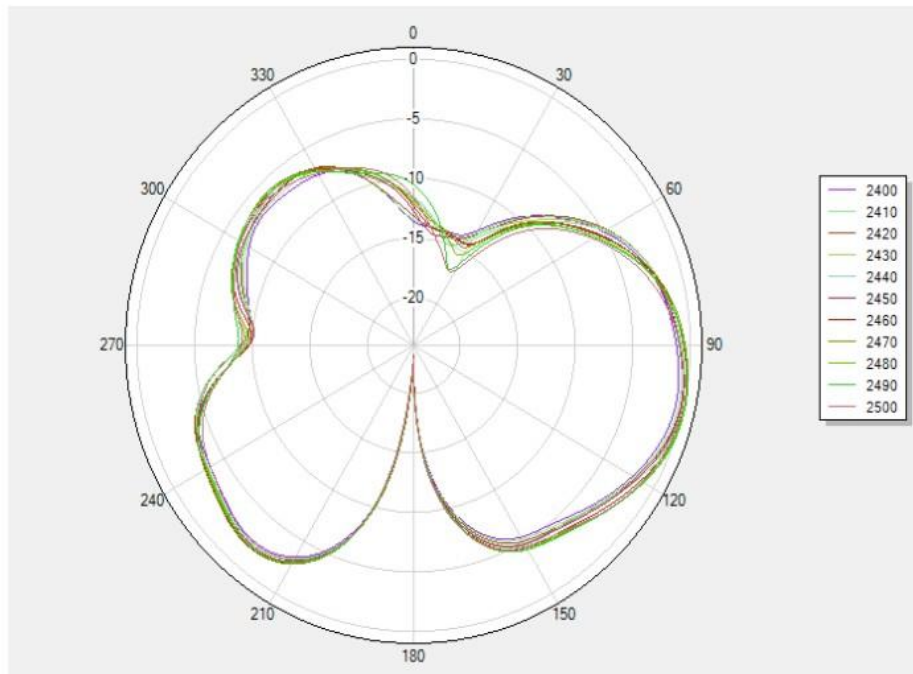


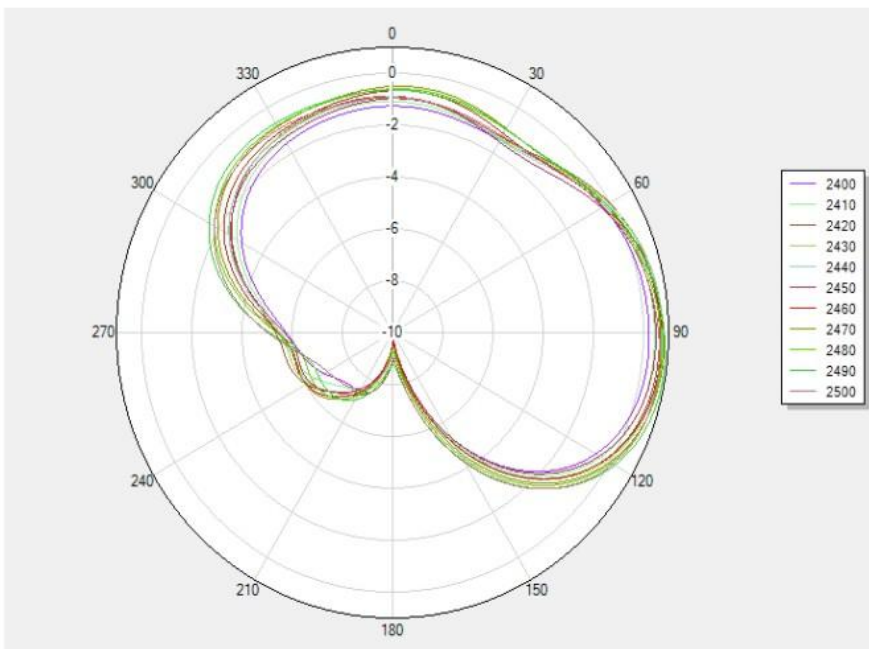
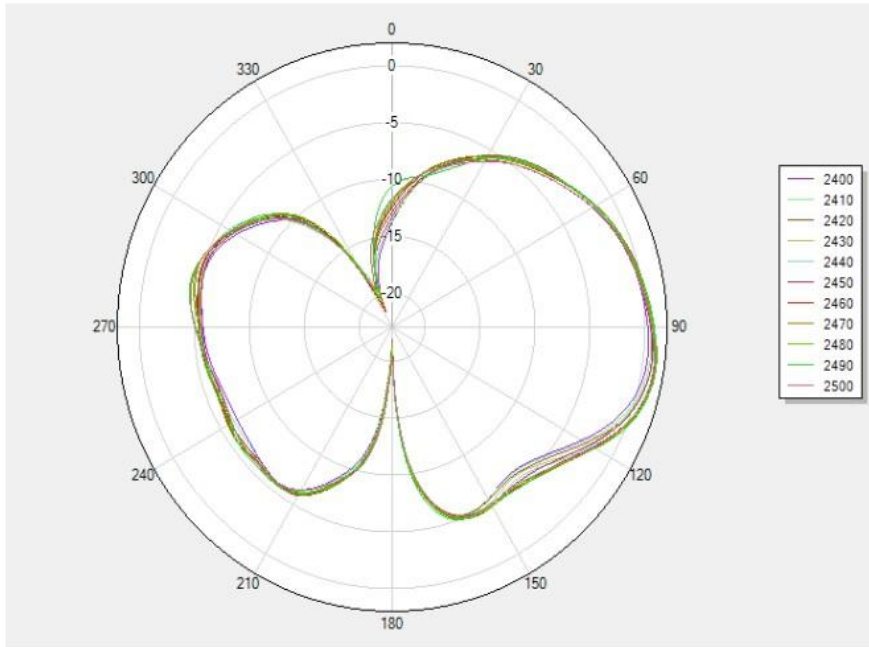
Frequency (MHz)	2400	2450	2500
Return Loss	-12	-23	-13

## Appendix C Gain and Efficiency

Frequency / MHz	Gain/ dB	Efficiency / %
2400	0.46	44.36
2410	0.71	45.71
2420	0.92	45.92
2430	0.91	45.6
2440	0.95	45.6
2450	0.93	45.29
2460	1.27	46.45
2470	1.37	46.88
2480	1.25	47.21
2490	1.24	46.67
2500	1.05	44.87

## Appendix D Radiation Pattern(2D )





## Appendix E Test Setup Photo

