

Antenna
Test Report

CB2S Antenna test report

Version 1.0.0

Date: 2021-03-18

NO: 000000001

Manufacturer: Hangzhou Tuya Information Technology Co., Ltd

Room 701, Building 3, More Center, No.87 Gudun Road, Xihu District,

Hangzhou, Zhejiang, China

Powered by



Intelligence
Inside

Model number: HDG-01

Product Name:	CB2S
Antenna Type:	PCB antenna
Writer:	Haigang ruan
Maximum	Gain: 0.0dBi
	Efficiency:27.48%

Content

1. General Description	2
2. Technical Information	3
3. Test Standards	3
4. Test Item	4
5. Test Photo	4
Appendix A S11/VSWR.....	5
Appendix B Gain and Efficiency	6
Appendix C Radiation Pattern(1D and 3D).....	7
Appendix D Test Setup Photo	9
Appendix E EUT Photo	10

1. General Description

EUT Name	CB2S 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

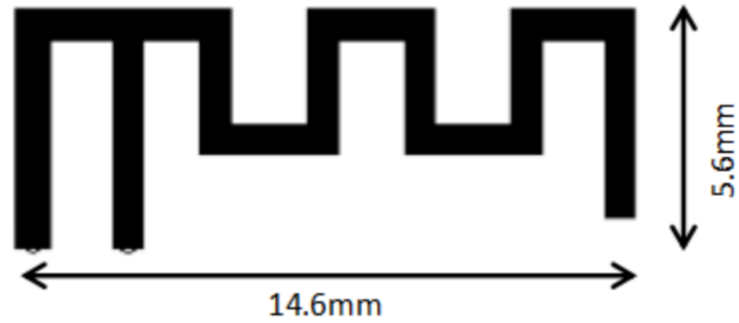
4. Test Item

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

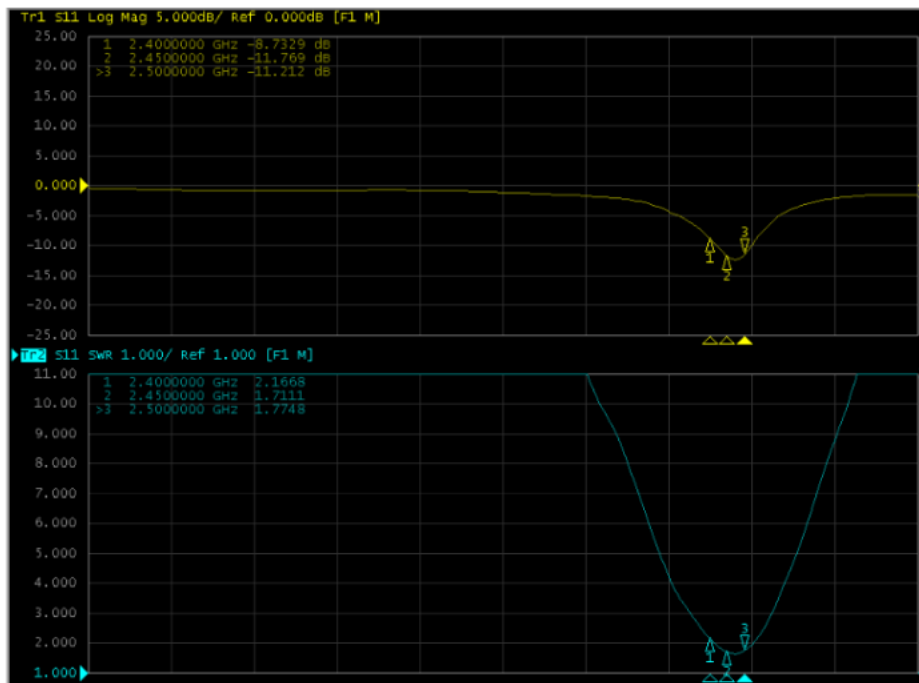
5. Test Photo

Report Section	Description
Appendix E	Test Setup Photo

Appendix A Antenna Dimension



Appendix B S11/VSWR

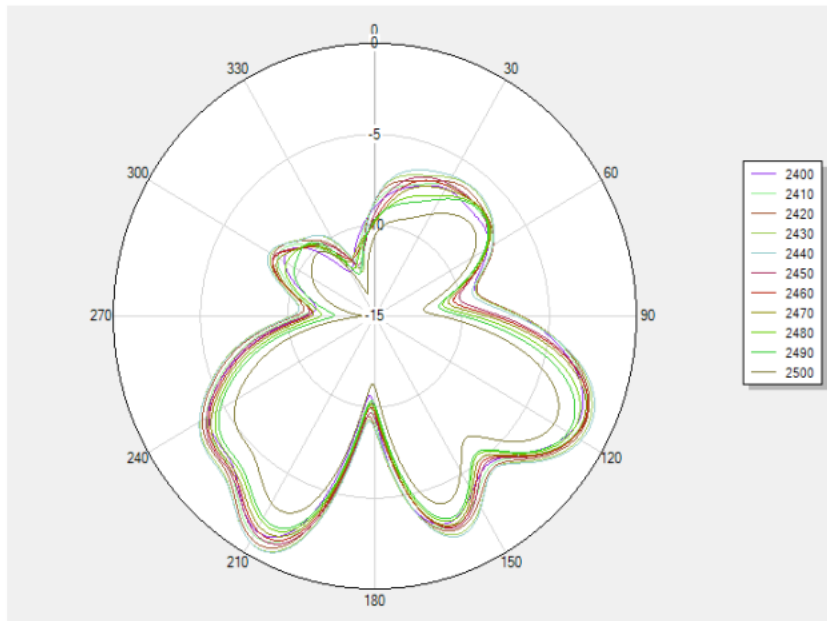
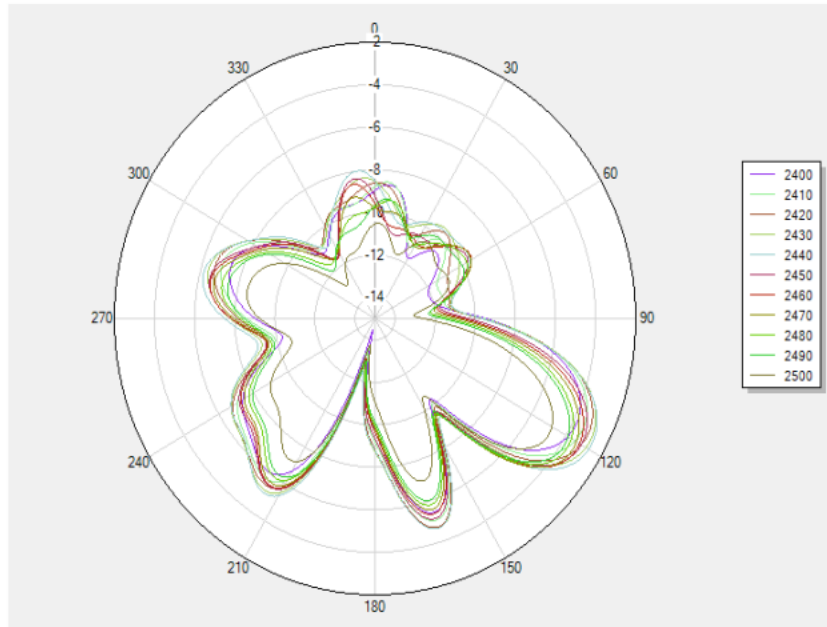


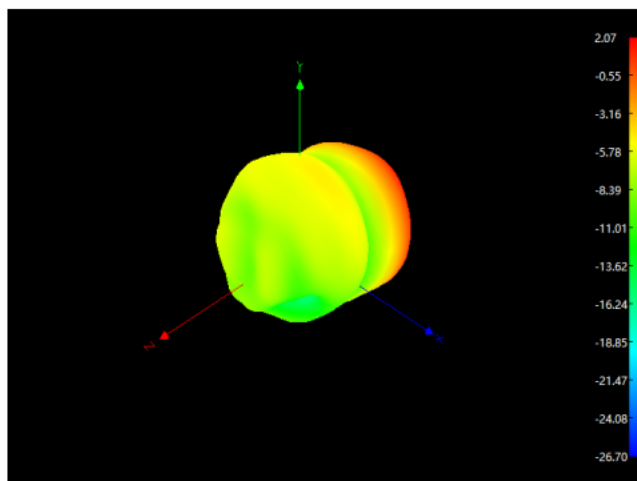
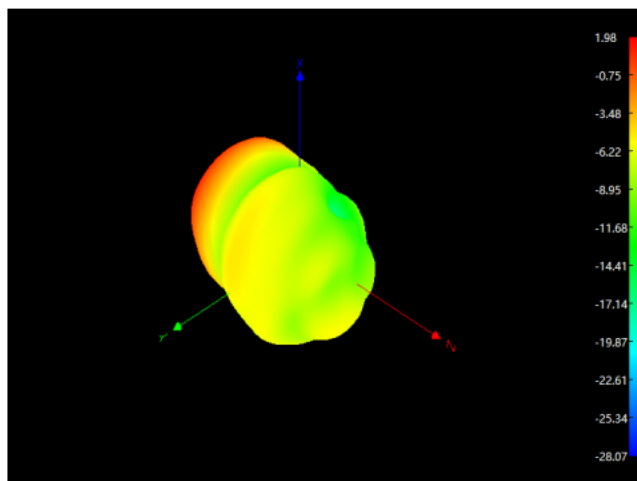
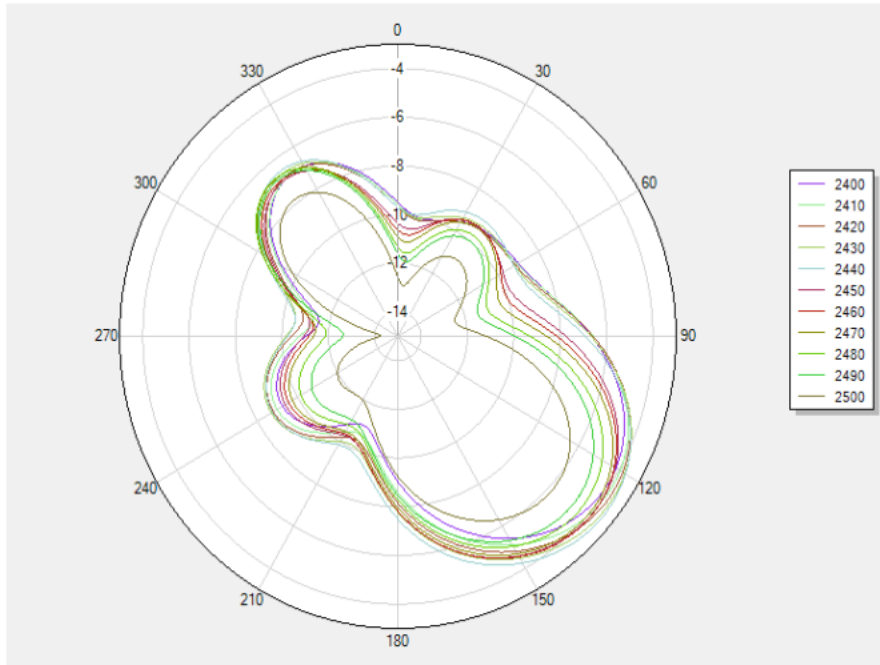
Frequency (MHz)	2400	2450	2500
Return Loss	-8.73	-11.76	-11.21
VSWR	2.16	1.71	1.77

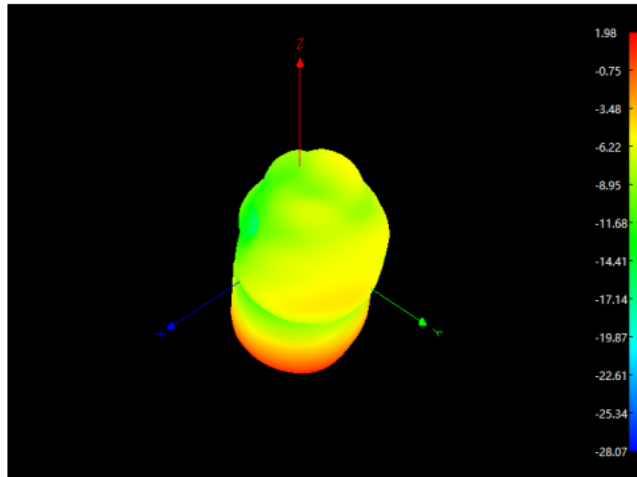
Appendix C Gain and Efficiency

Frequency (MHz)	Efficiency(%)	Gain (dBi)
2400	24.43%	0.24
2410	25.64%	0.25
2420	26.24%	0.26
2430	27.04%	0.27
2440	27.48%	0.27
2450	25.25%	0.25
2460	23.88%	0.24
2470	22.65%	0.23
2480	21.78%	0.23
2490	20.04%	0.21
2500	16.18%	0.17

Appendix D Radiation Pattern(1D and 3D)







Appendix E Test Setup Photo

