

Antenna
Test Report

Antenna test report

Version 1.0.0

Date: 2020-11-24

NO: 000000001

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Inside

Product Name:	CB3S
Antenna Type:	PCB antenna
Writer:	Yinhua Zhang
Maximum	Gain: 1.3dBi
	Efficiency: 30.66%

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1. General Description

EUT Name	CB3S Antenna
Wireless type	BLE /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

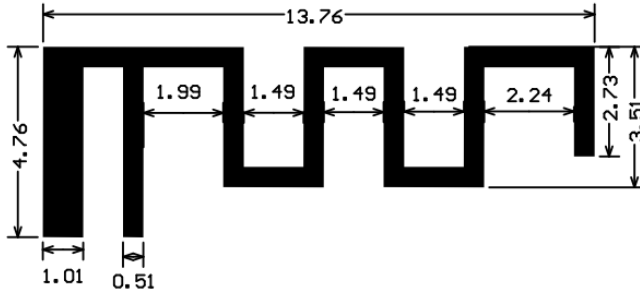
4. Test Item

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

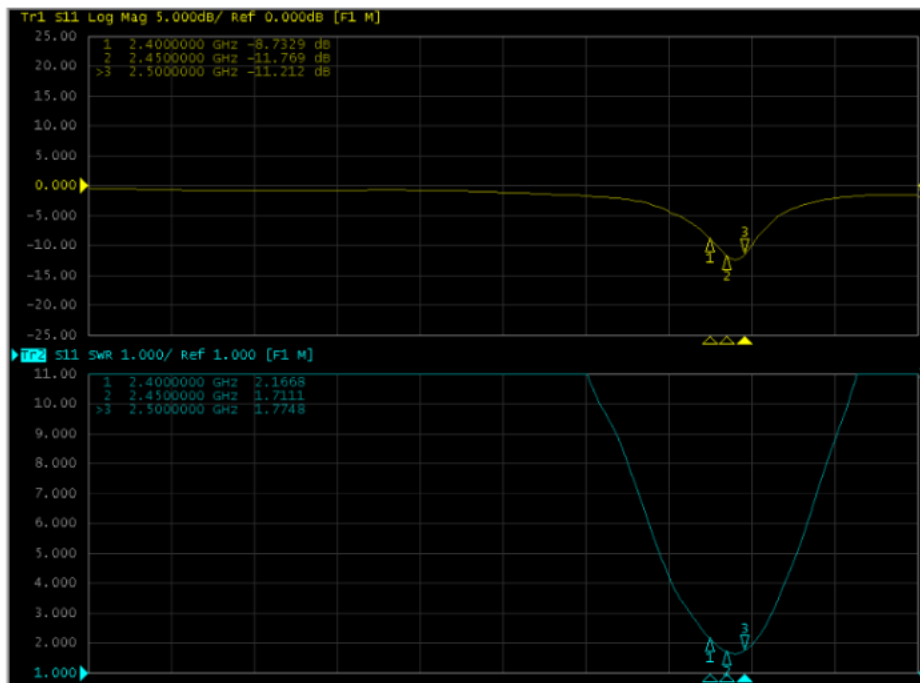
Appendix A Antenna Dimension



单位: mm

Unit

Appendix B S11/VSWR

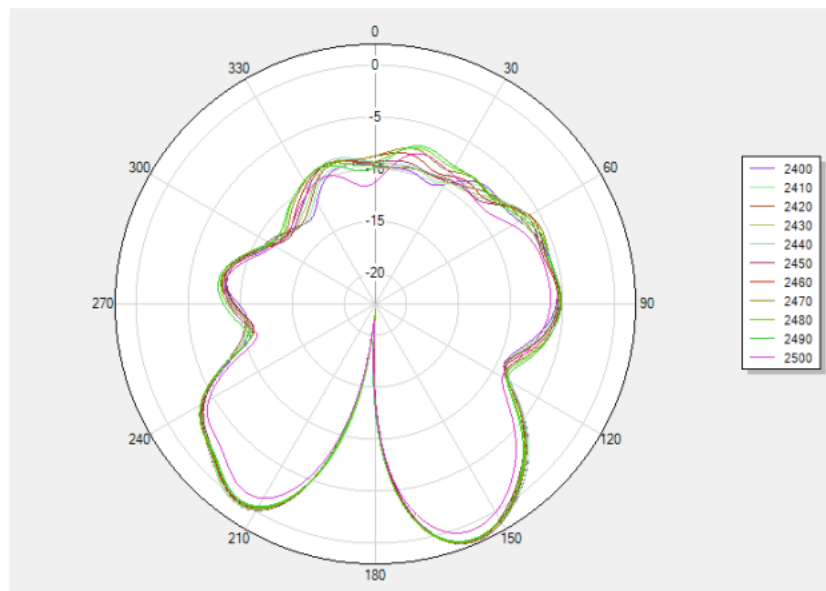
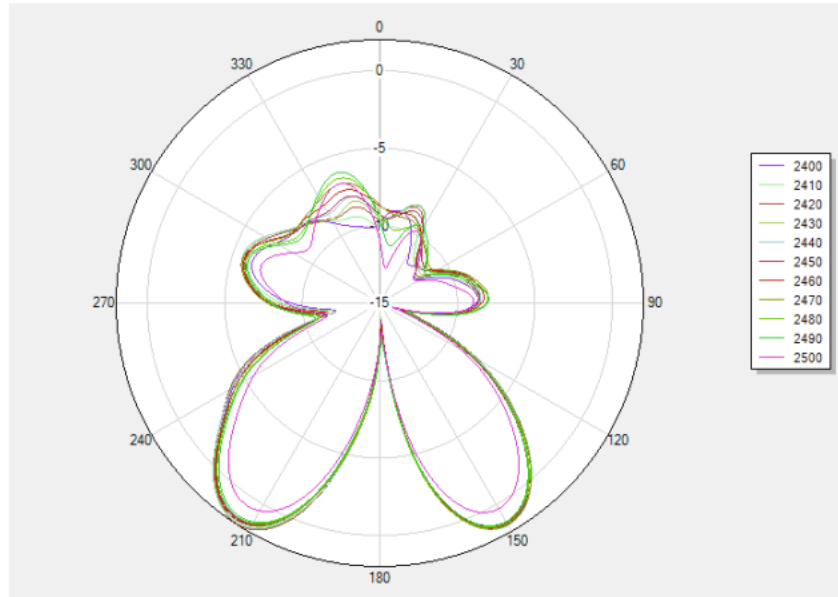


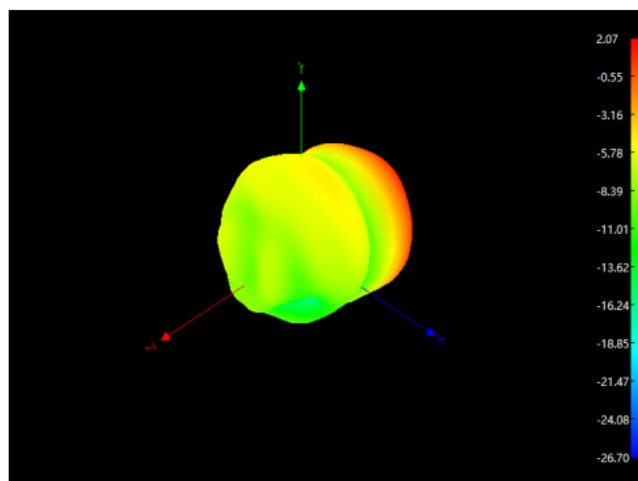
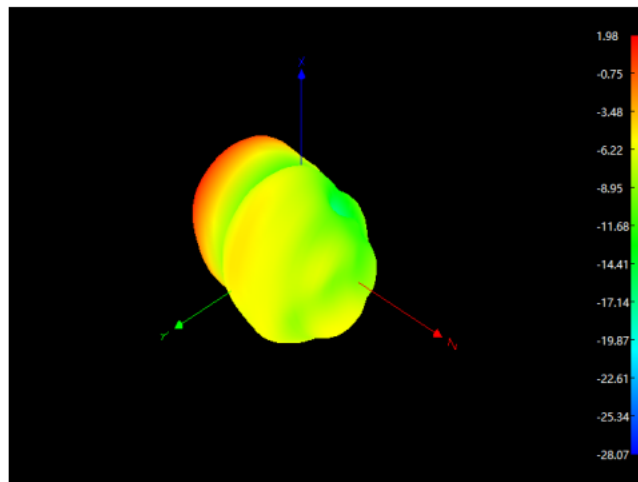
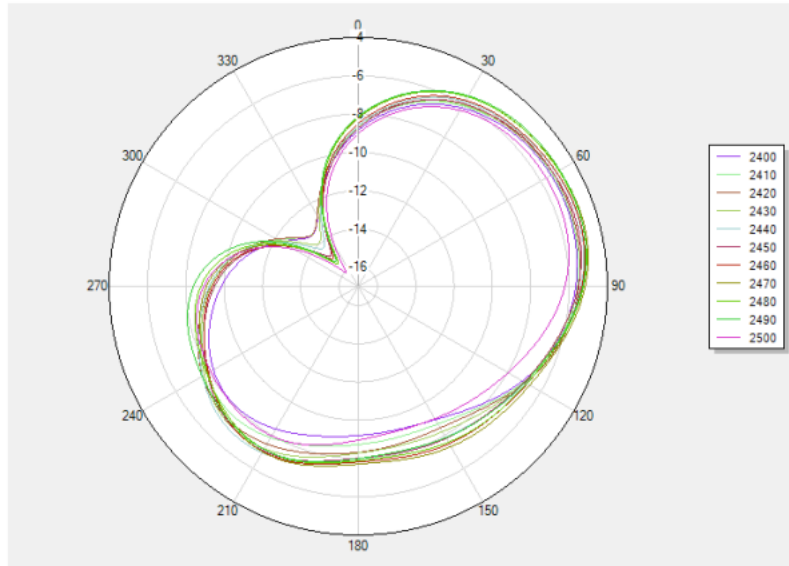
Frequency (MHz)	2400	2450	2500
Return Loss	-10.85	-12.99	-12.80
VSWR	1.23	1.16	1.03

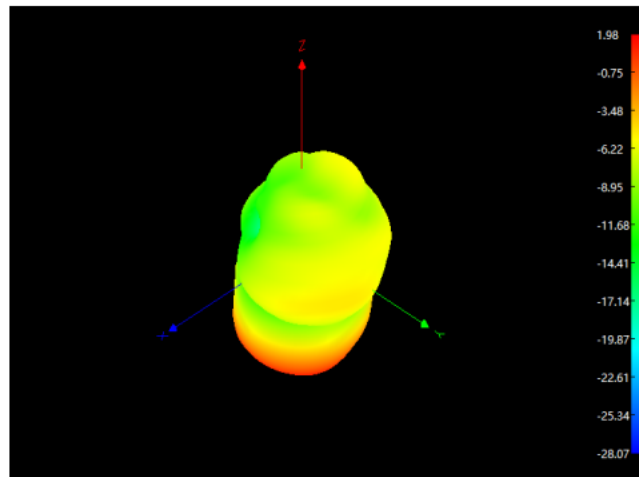
Appendix C Gain and Efficiency

Frequency (MHz)	Efficiency(%)	Gain (dBi)
2400	30.29%	1.22
2410	30.32%	1.24
2420	30.34%	1.26
2430	30.36%	1.27
2440	30.66%	1.30
2450	30.55%	1.29
2460	30.50%	1.28
2470	30.45%	1.26
2480	30.17%	1.16
2490	30.15%	1.15
2500	30.10%	1.12

Appendix D Radiation Pattern(1D and 3D)







Appendix E Test Setup Photo

