

Antenna
Test Report

CB3S Antenna test report

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NO: 0000000001

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Inside

Product Name:	CB3S
Antenna Type:	PCB antenna
Writer:	Jianwei Wang
Maximum	Gain: 1.37dBi
	Efficiency:47.2%

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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

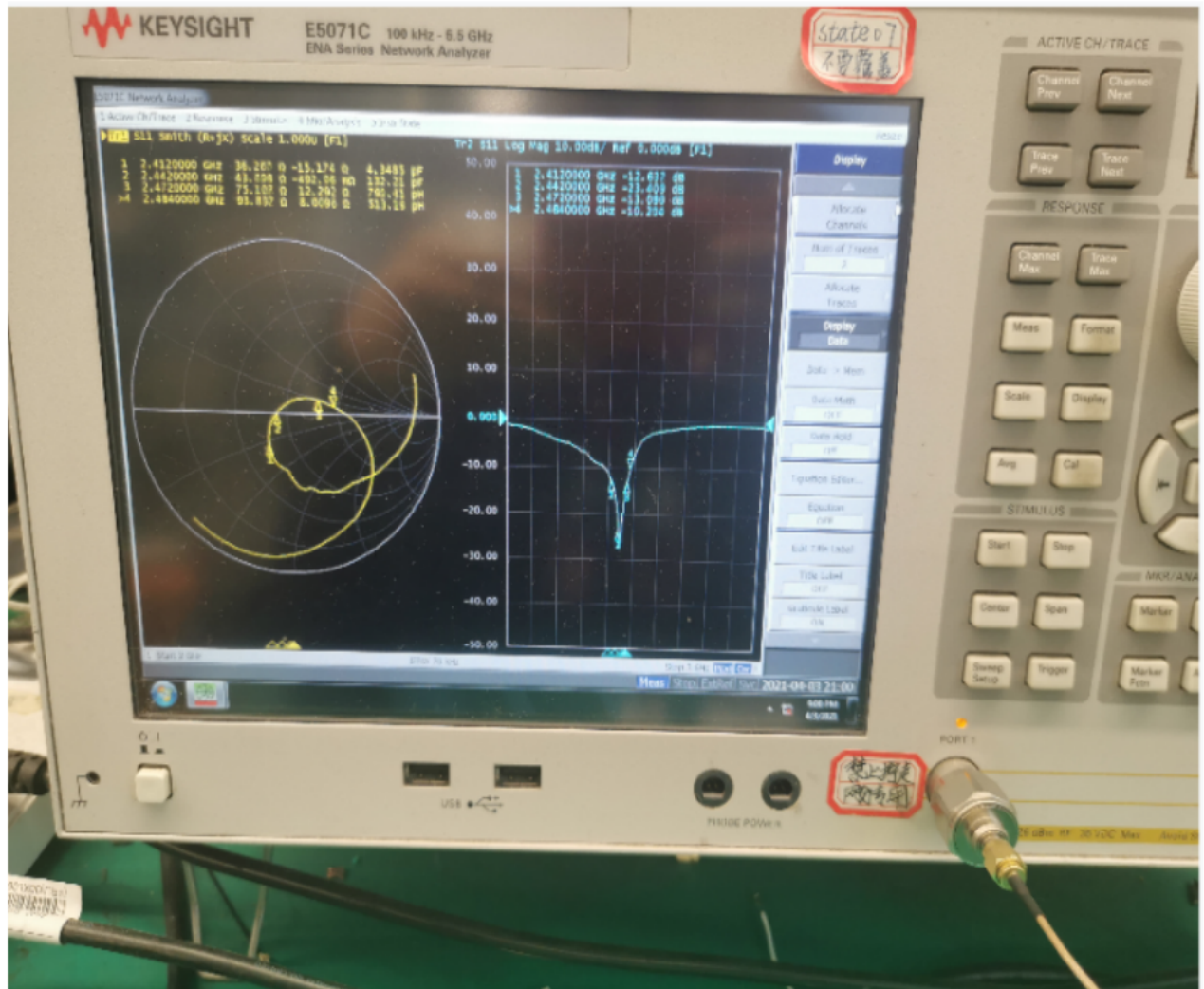
4. Test Item

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

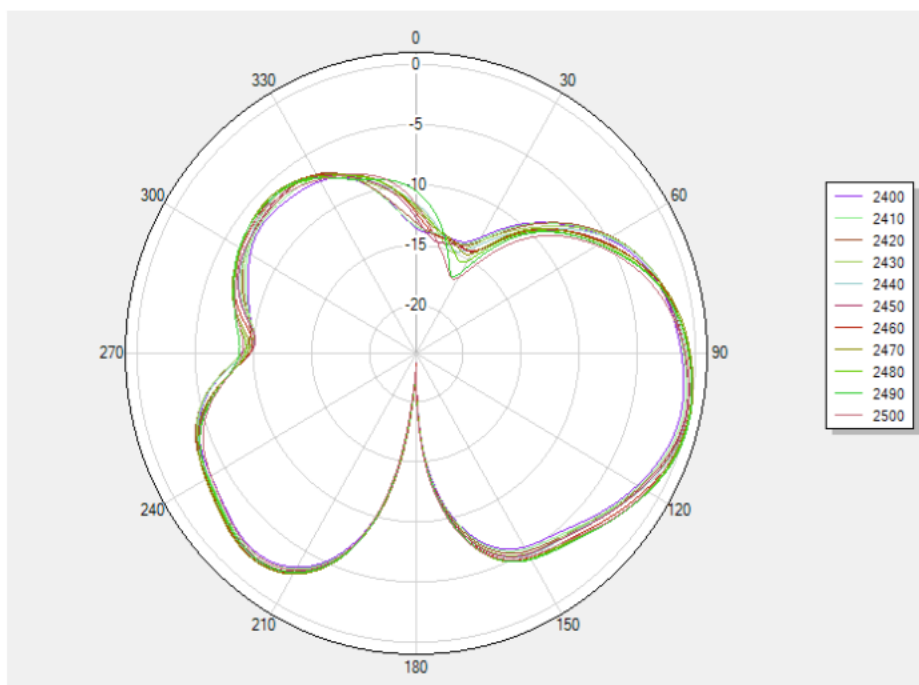


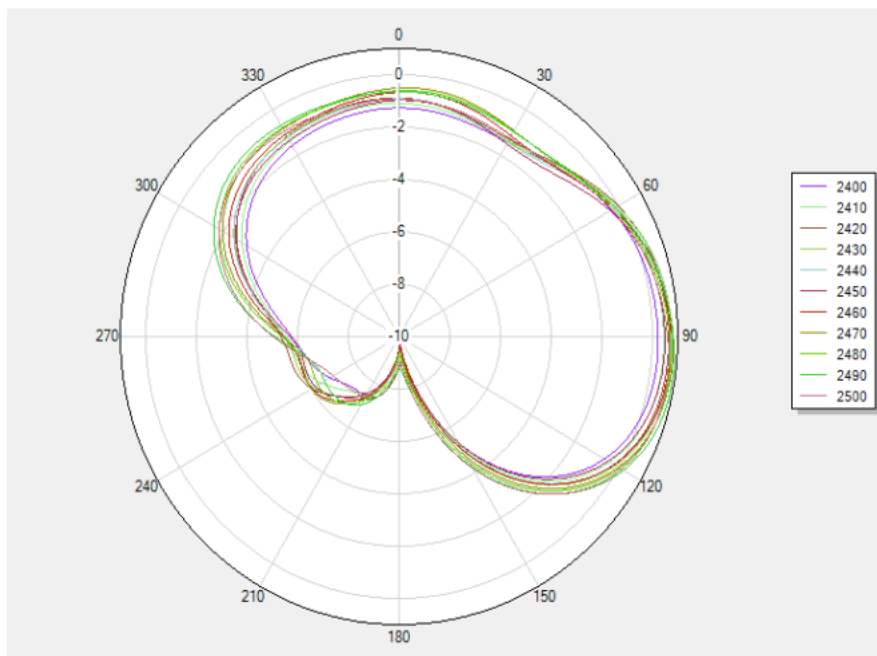
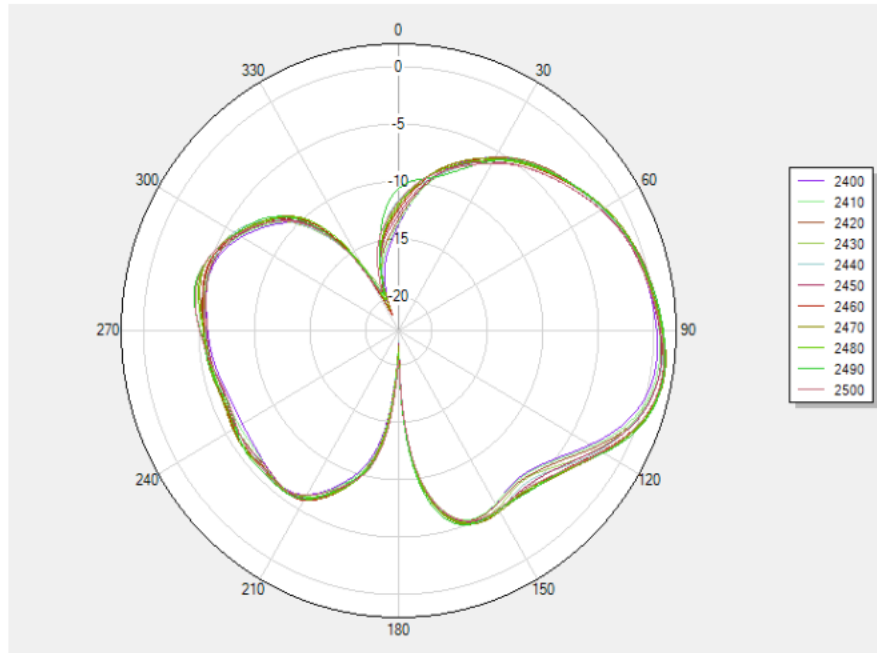
Frequency (MHz)	2400	2450	2500
Return Loss	-12	-23	-13

Appendix C Gain and Efficiency

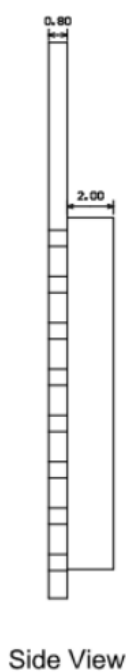
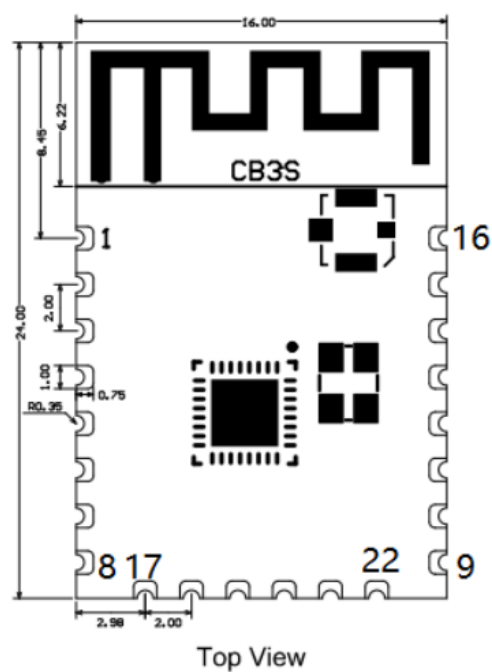
Frequency / MHz	Gain/ dB	Efficiency / %
2400	0.46	44.36
2410	0.71	45.71
2420	0.92	45.92
2430	0.91	45.6
2440	0.95	45.6
2450	0.93	45.29
2460	1.27	46.45
2470	1.37	46.88
2480	1.25	47.21
2490	1.24	46.67
2500	1.05	44.87

Appendix D Radiation Pattern(2D)





CB3S 尺寸大小: $16.00 \pm 0.35\text{mm}$ (W) $\times$ $24.00 \pm 0.35\text{mm}$ (L) $\times$ $2.8 \pm 0.15\text{mm}$ (H)。CB3S 尺寸如下图所示:



单位: mm
Unit: mm

模组外形公差: $\pm 0.35\text{mm}$
Module form factor tolerance: $\pm 0.35\text{mm}$

板厚公差: $\pm 0.1\text{mm}$
PCB thickness tolerance: $\pm 0.1\text{mm}$

屏蔽盖高度公差: $\pm 0.05\text{mm}$
Shield cover height tolerance: $\pm 0.05\text{mm}$