



2501-ANT

2501-ANT on-board antenna, FR4 board material

深圳凯晖电子科技有限公司

Shenzhen Kaihui Electronic Technology Co., Ltd.

Customer	凯辉
Project	2501_V1.0
Antenna Revision	A0
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Date :	2025.11.15

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Purpose

This report is to measure the performance of antenna for . 2501_V1.0
The
antenna operating frequency at 2400MHz-2500MHzAll test data are showed
as below.

Content

1. Product Overview & Environmental Treatment
2. Test system
3. Antenna Matching Network
4. Test Result
 1. ***S11 Parameter-VSWR***
 2. ***Gain & Efficiency***
 3. ***2D Pattern***
- 5 . Conclusion



1 . Product Overview & Environmental Treatment



样机图片



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2. TestSystem

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5062A
OTA Test	TRP& TIS	Agilent 8960 E5515C & Agilent 4438C & CMW500 & CMW270 ETS& SATIMO
Gain & Efficiency	Gain & Efficiency	ETS& SATIMO Agilent5071C





4. 1 S11Parameter-SWR-2.4G



Frequency	2400	2500
VSWR	1.18	1.38

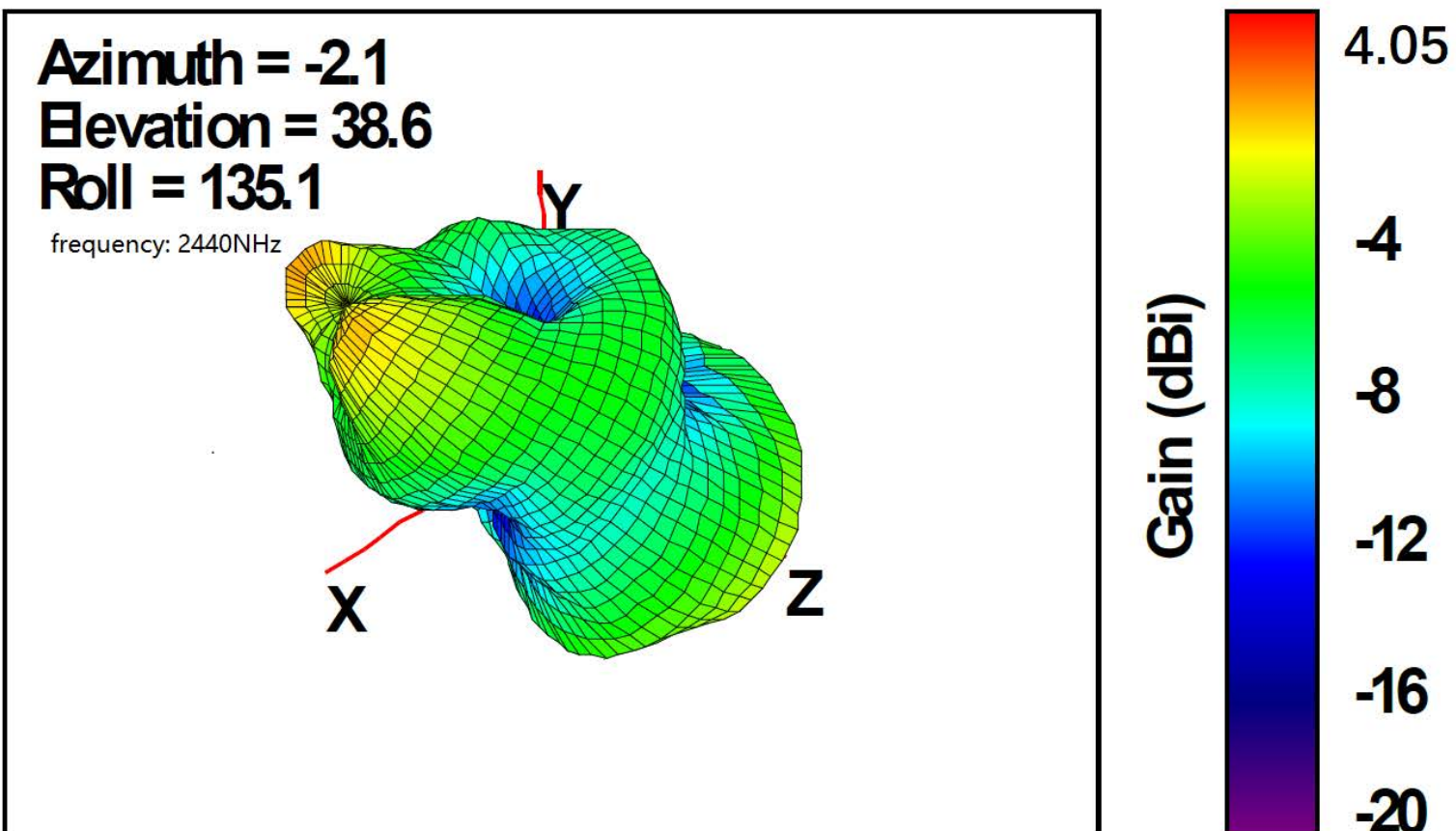


4.2 Gain & Efficiency——2.4G

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	68.22	4.05
2420	68.18	4.05
2440	70.18	4.05
2450	68.20	4.05
2460	70.19	4.05
2480	68.36	4.05
2500	70.01	4.05

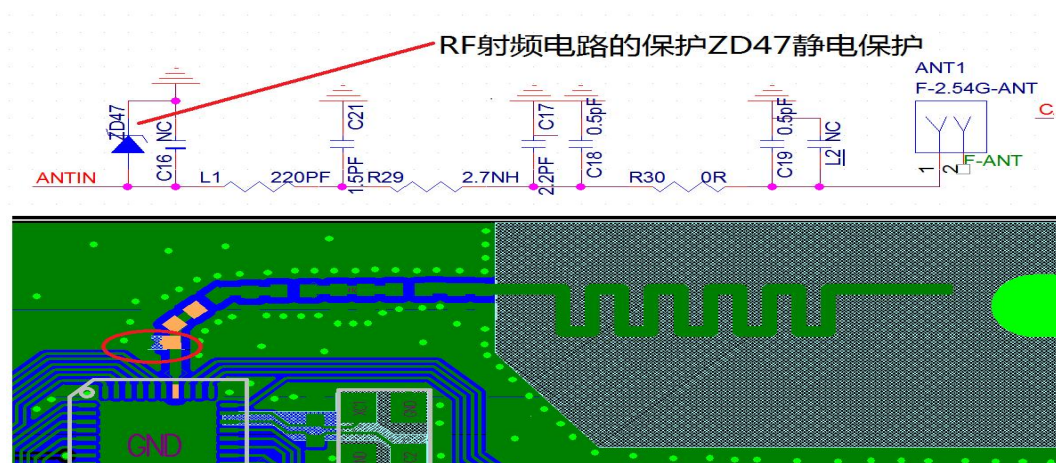
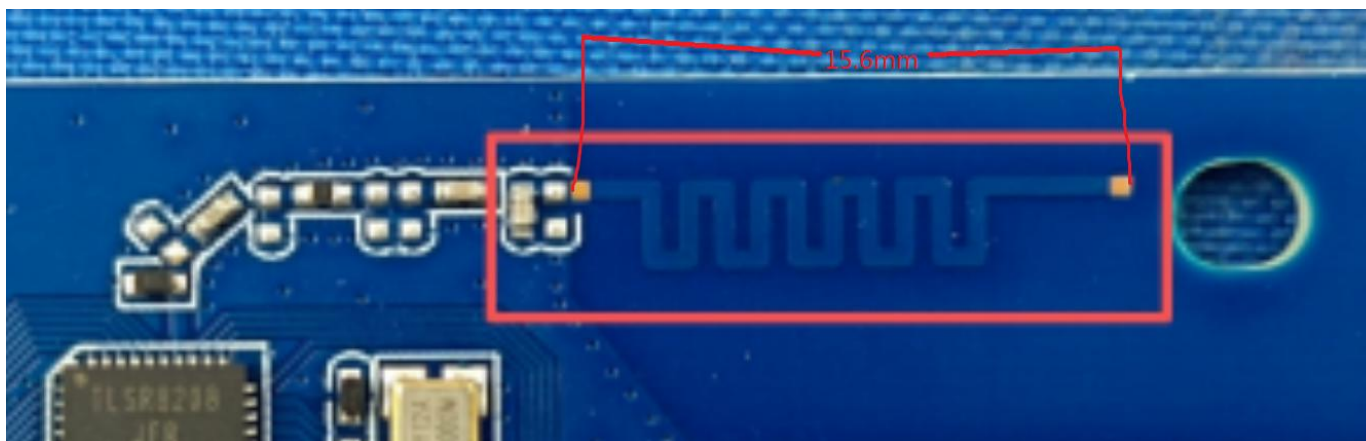


Total





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