

SPECIFICATION

PART NO:	LA31H2450-A71
CUSTOMER PART NO:	
CUSTOMER APPROVED BY:	
APPROVED DATE:	

RoHS Compliant Parts

No.66 ZhengyuanRoad, Economic Development Zone,Jiaxing,Zhejiang,China

TEL: 0086-573-83651818

FAX: 0086-573-83651858

Prepared by:	Checked by :	Approved by:
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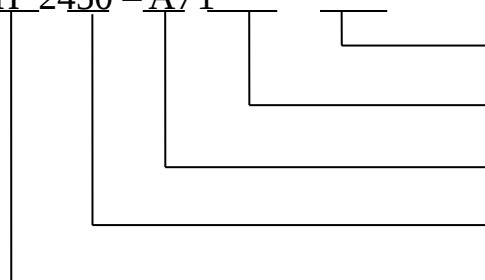
Specification

1. INTRODUCTION

"GLEAD" Microwave Multi-Layer Ceramic Antenna LA series are designed to be used in WLAN、WiFi、Bluetooth、PHS、 Multiple-band Mobile phone antenna, FM, etc and compact size SMD chip design.

2. Part Number LA 31

H 2450 – A71



A71/Product Name: A71

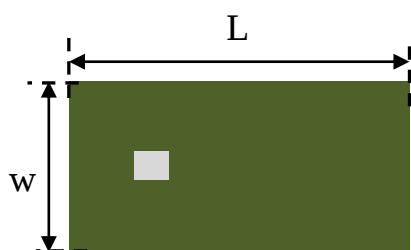
Antenna Frequency: 2450 MHz

/Via Design Series

Size: $3.2 \times 1.6 \times 0.6$

Multi-layer Antenna

3. Dimensions (Unit: mm)



(Top View)

Number	Terminal Name
①	INPUT
②	NC



(Bottom View)



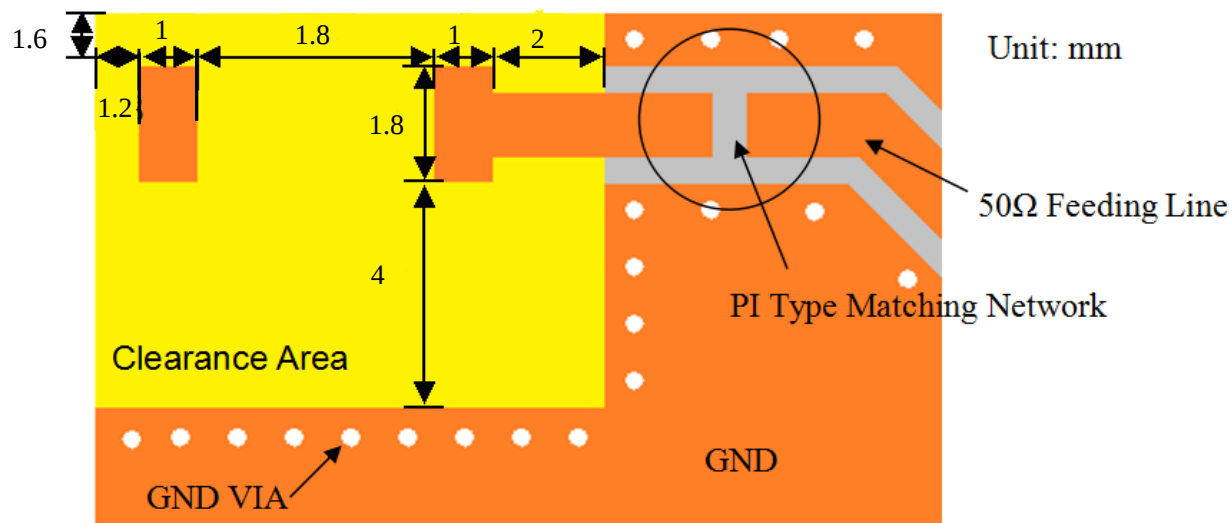
(Side View)



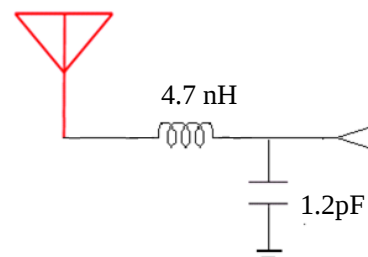
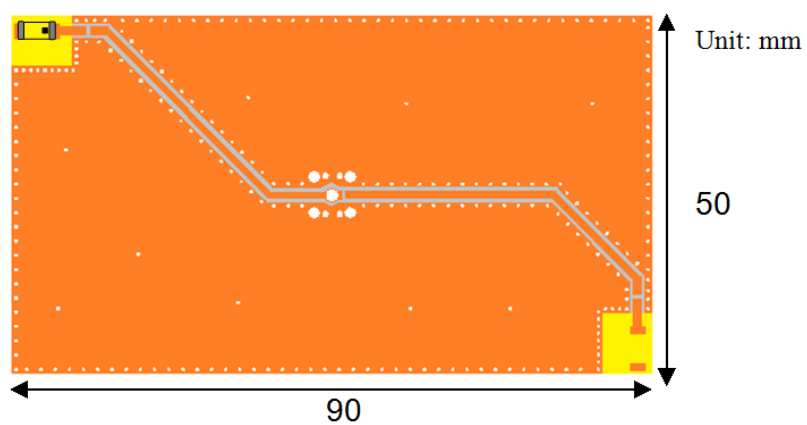
(Side View)

Symbols	L	W	T	A
Dimensions	3.2 ± 0.2	1.6 ± 0.2	0.6 ± 0.1	0.5 ± 0.1

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4. Evaluation Board and Matching Circuits

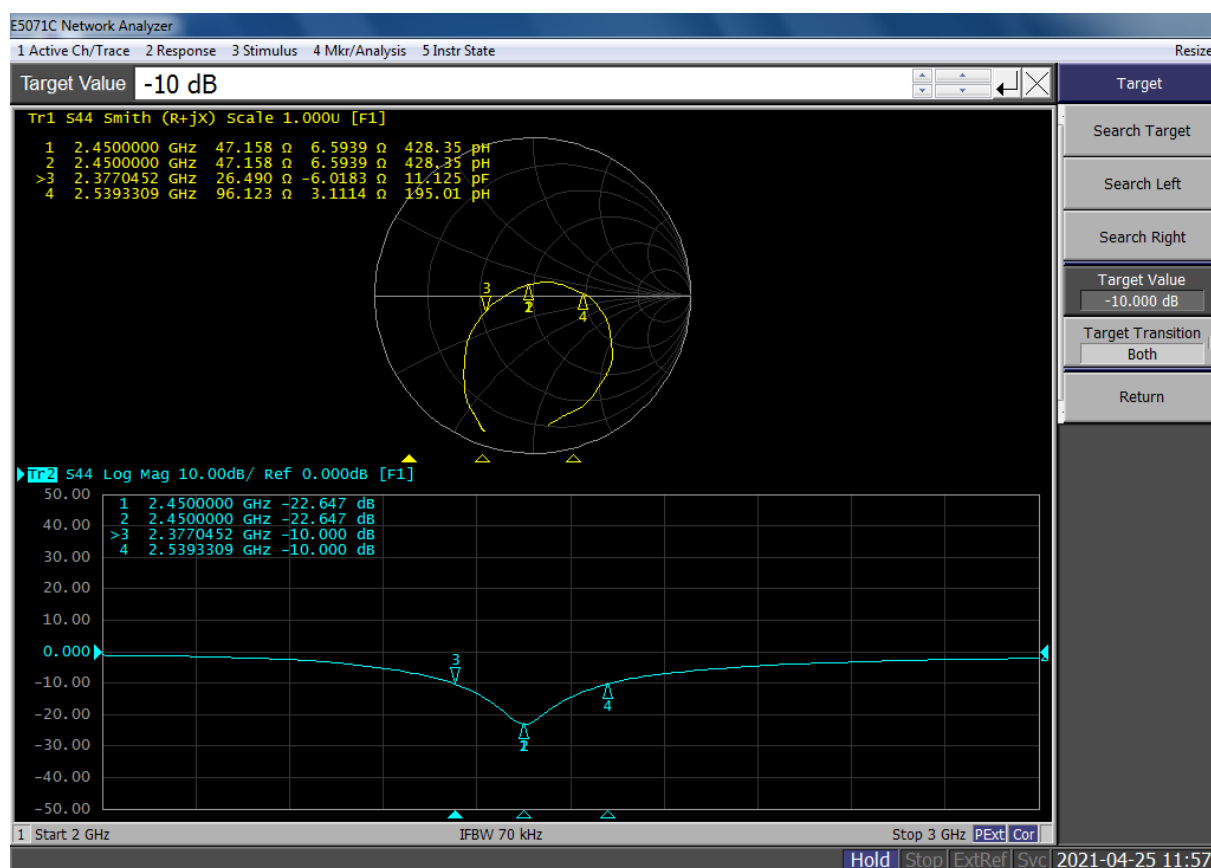


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5. Electrical Characteristics

No.	Item	Specifications
5.1	After Matching	2450 MHz
5.2	Band Width	100MHz typ.
5.3	Peak Gain	2.01 dBi
5.4	V.S.W.R	≤ 2.0
5.5	Polarization	Linear
5.6	Azimuth Beam width	Omni-directional
5.7	Impedance	50 Ω

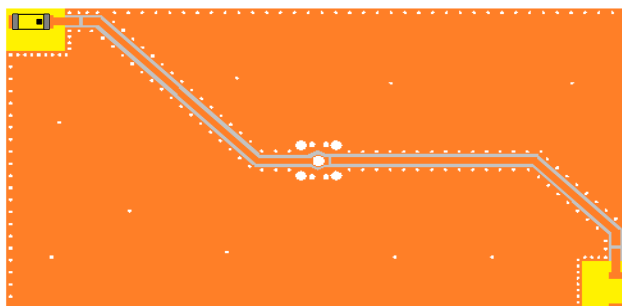
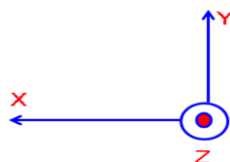
6. Characteristic curve



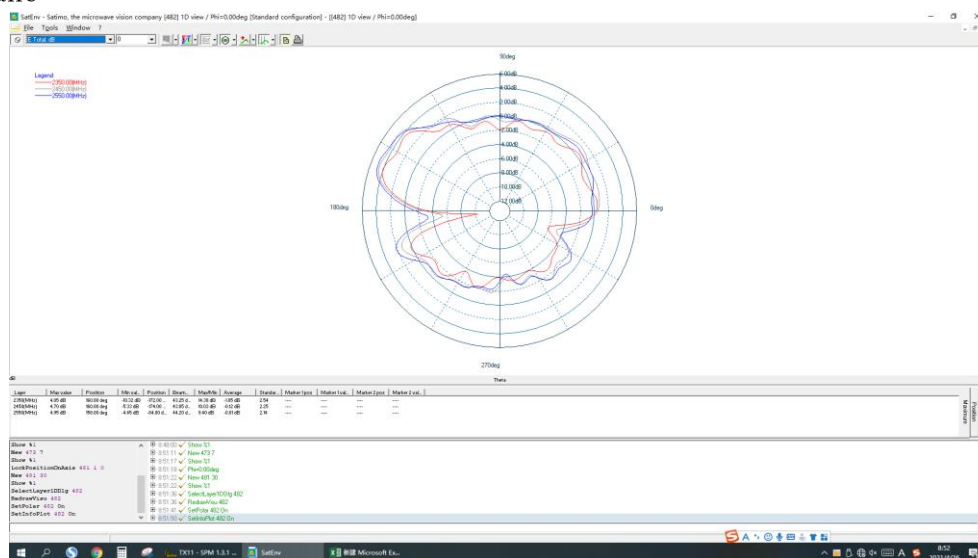
Specification

7. Radiation Pattern

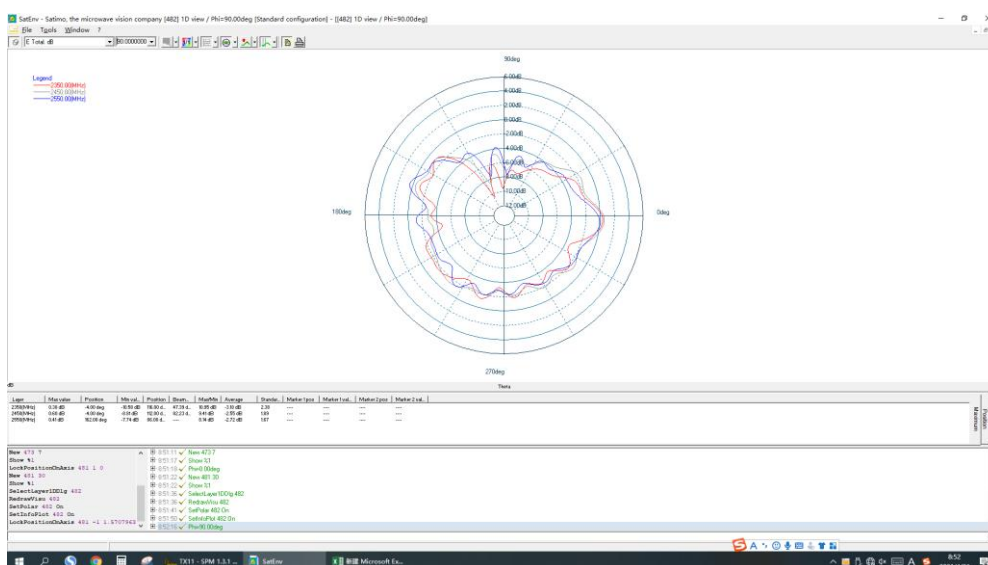
coordinates:



X-Z Plane

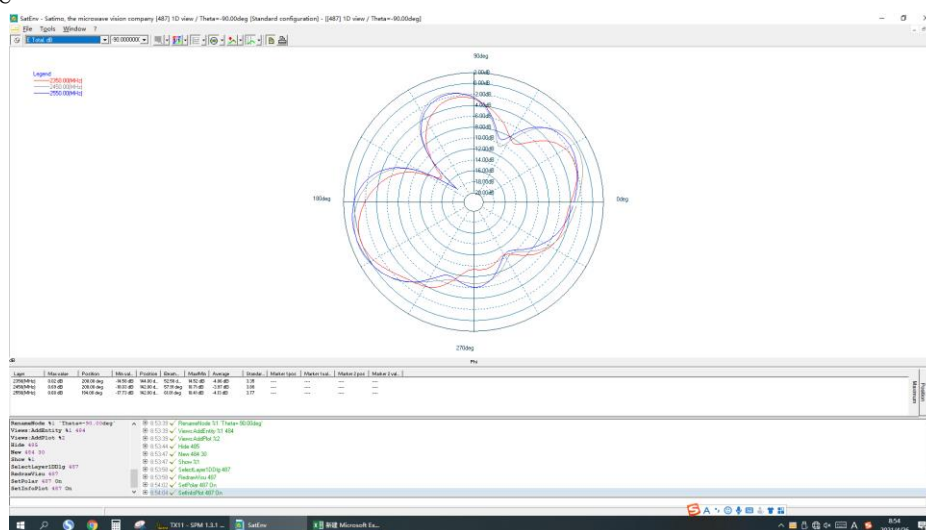


Y-Z Plane

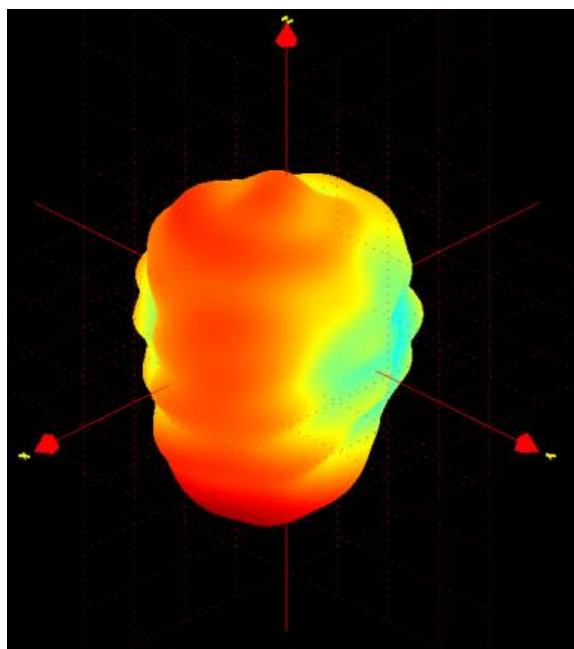


Specification

X-Y Plane



3D Radiation Pattern



Frequency (MHz)	2400	2450	2500
Avg. Gain (dBi)	-3.03	-2.01	-2.29
Peck Gain (dBi)	1.48	2.0	2.01
Efficiency (%)	59	72	70