

SPECIFICATION

PART NO: LA52H2450-A36
CUSTOMER PART NO:
CUSTOMER APPROVED BY:
APPROVED DATE:

Prepared by:	Checked by :	Approved by:
Formed On	Document Version (V1.0)	

Specification

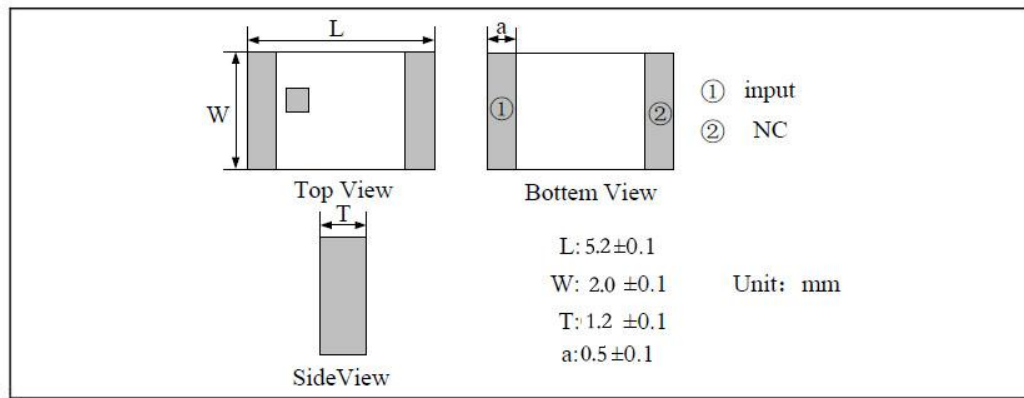
1. INTRODUCTION

"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.

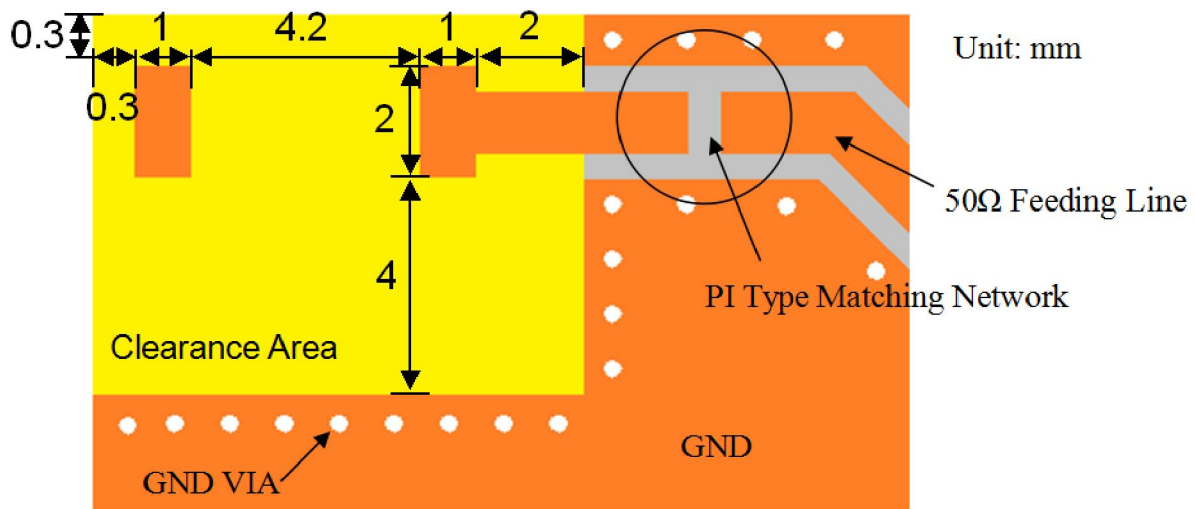
2. Part Number

LA	52	H	2450	A36	
					Product Name:
					Antenna Frequency: 2450
					Via Design
					Series Size: $5.2 \times 2.0 \times 1.2$
					Multi-layer Antenna

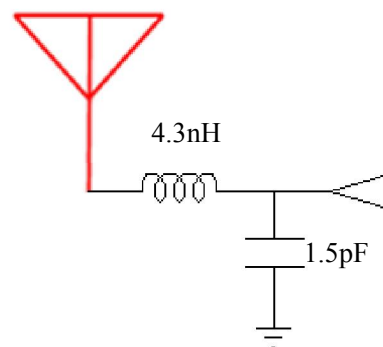
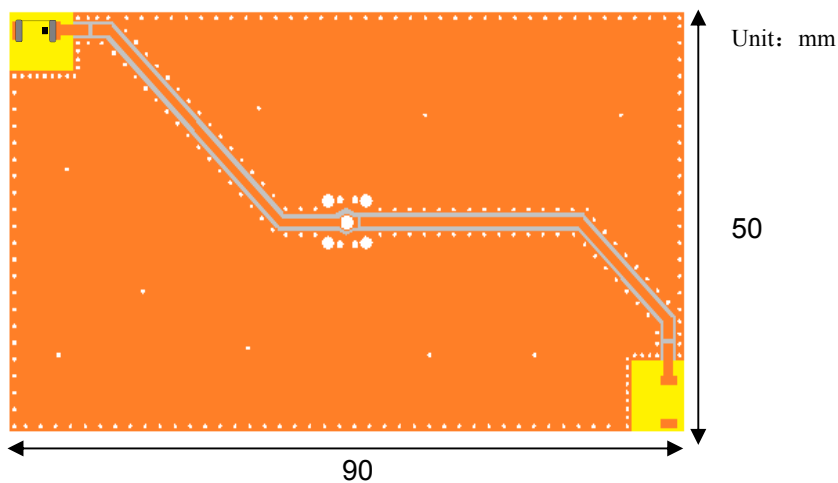
3. Dimensions (Unit: mm)



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4. Evaluation Board and Matching Circuits

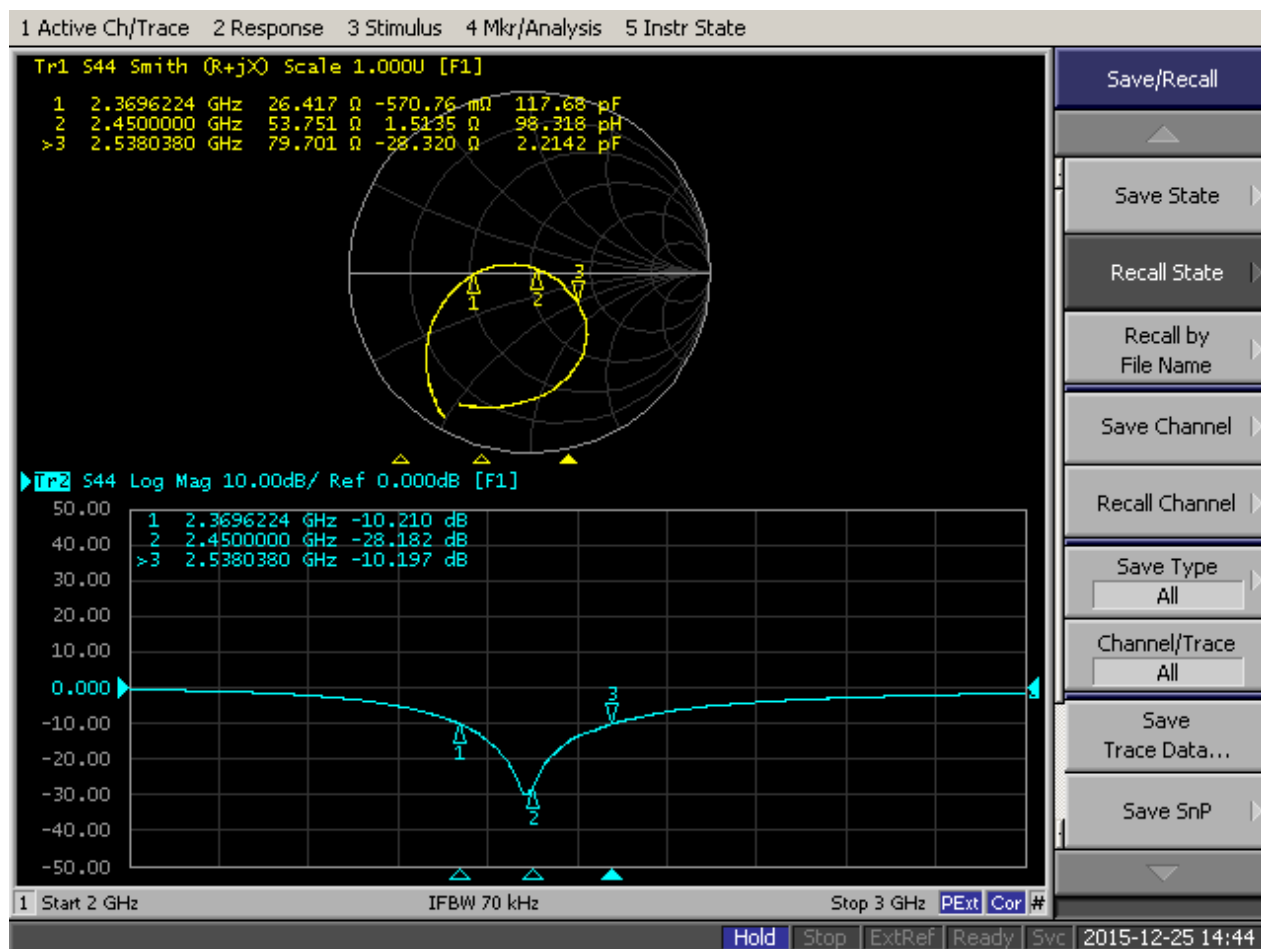


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5. Electrical Characteristics

No.	Item	Specifications
5.1	Working Central Frequency	2450 MHz
5.2	Band Width	100MHz typ.
5.3	Peak Gain	4.97 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

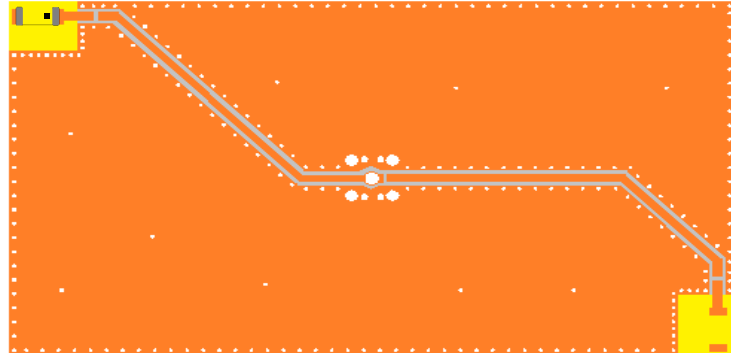
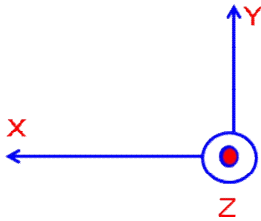
6. Characteristic curve



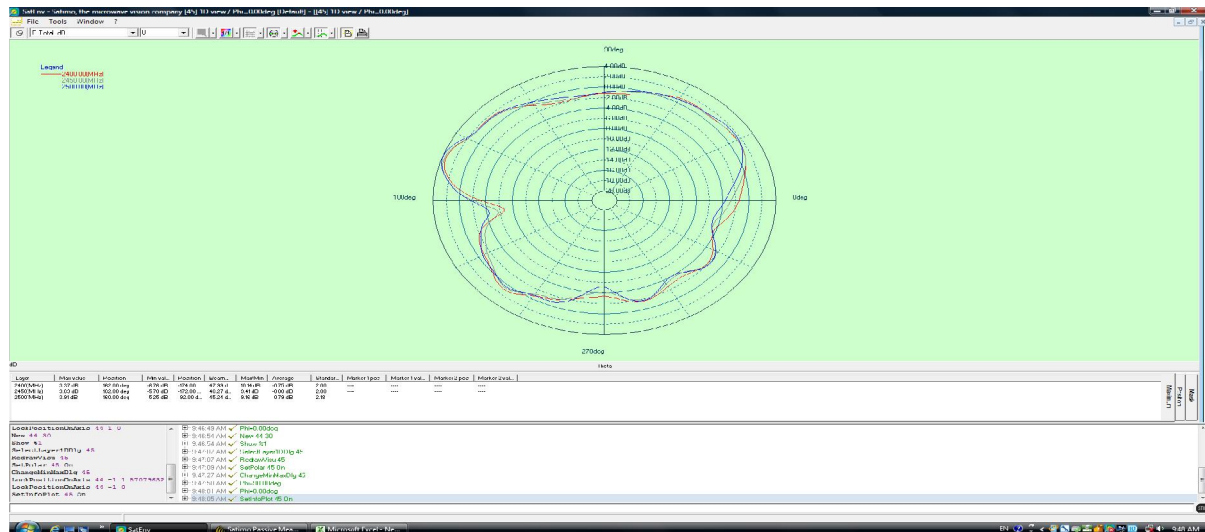
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7. Radiation Pattern & Efficiency

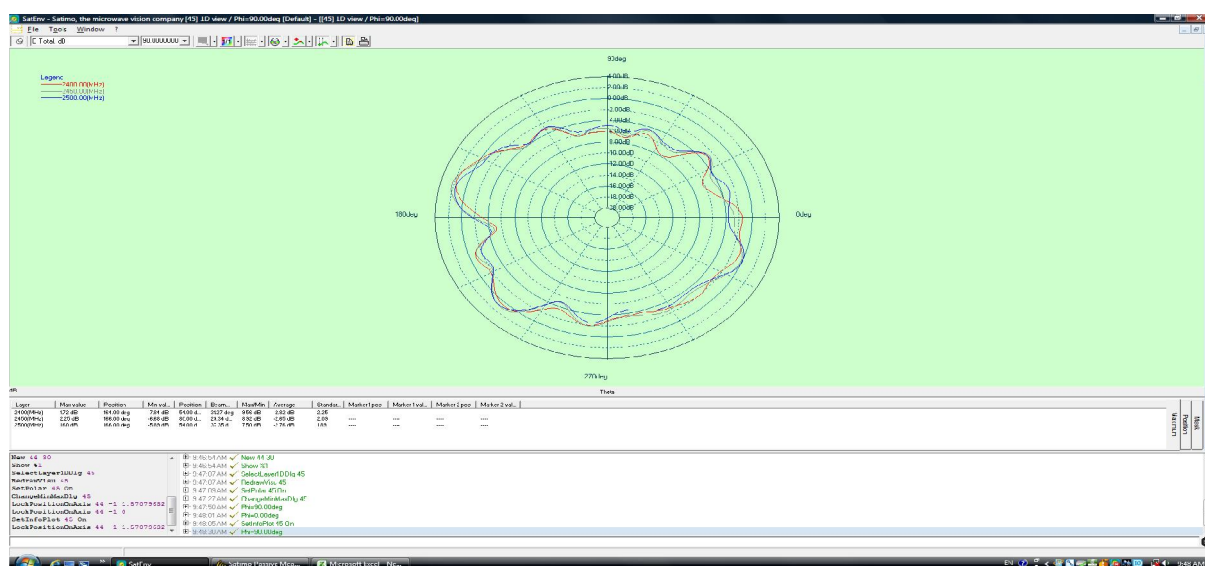
coordinates:



X-Z Plane Plane

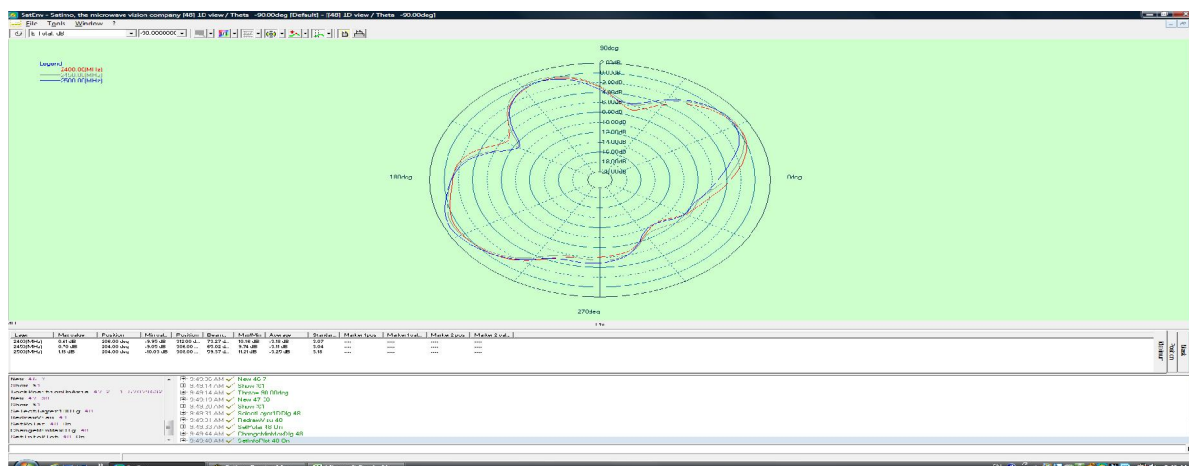


Y-Z Plane

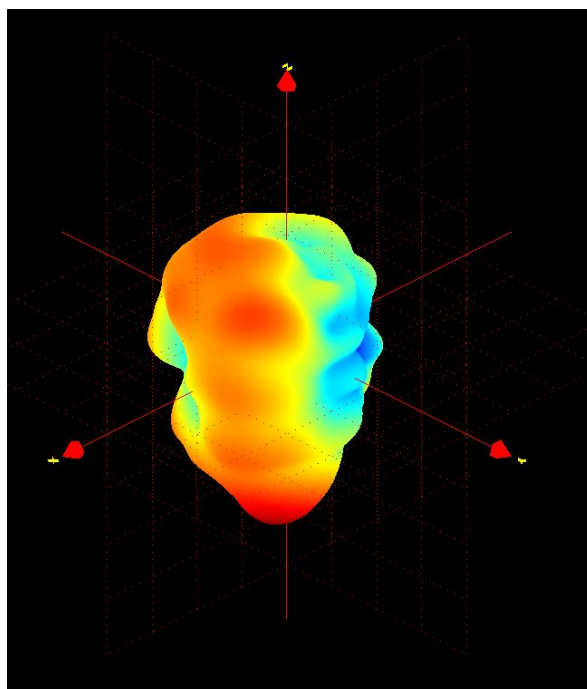


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X-Y Plane



3D Radiation Pattern



Frequency (MHz)	2400	2450	2500
Avg. Gain (dBi)	-0.75	-0.79	-0.88
Peck Gain (dBi)	4.52	4.97	4.85
Efficiency (%)	70.2	71.1	71.2