



# 承 认 书

## SPECIFICATION FOR APPROVAL

客户名称 Customer Name: \_\_\_\_\_  
产品型号 Product Model: \_\_\_\_\_ HT-LCD0010  
客户料号 Customer P/N : \_\_\_\_\_  
鑫恒阳料号 XINHENGYANG P/N: \_\_\_\_\_ PBX2012MA01  
产品规格 SPECIFICATIONS: \_\_\_\_\_ 2400-2500MHZ  
制作日期 Production date: \_\_\_\_\_  
封样版本 Sample Version: \_\_\_\_\_ V1.0

鑫恒阳 (XINHENGYANG)		
编制 (FICTION)	品质 (DQE)	研发 (R&D)
客户 (Customer)		
采 购 (PUR)	品质 (QC)	研发 (R&D)

Address: 909 Kanghe Shanda Building, No.1 Chuangsheng Road, Shuguang Community, Xili Street, Nanshan District, Shenzhen

# Antenna Test Data Report from XIN HENG YANG

Customer	Hotus	Project Name	HT-LCD010
NO	Content	Specification	
1	Frequency	2400-2500MHz	
2	Project Type	Bluetooth Glasses	
3	Terminal	/	
4	Feedpoint Type	Bipolar	
5	Line length	/	
6	Antenna Type	PIFA	
7	Antenna Material	CHIP	
8	Remark		
RF	Rao Yangpeng	18679436972	xinhengyang1116@163.com

## Content

I Introduction to Testing Room

II Machine Image

III Antenna Position

IV Passive Standing Wave Diagram

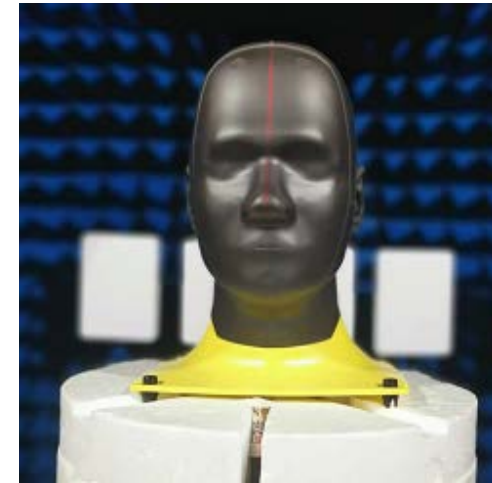
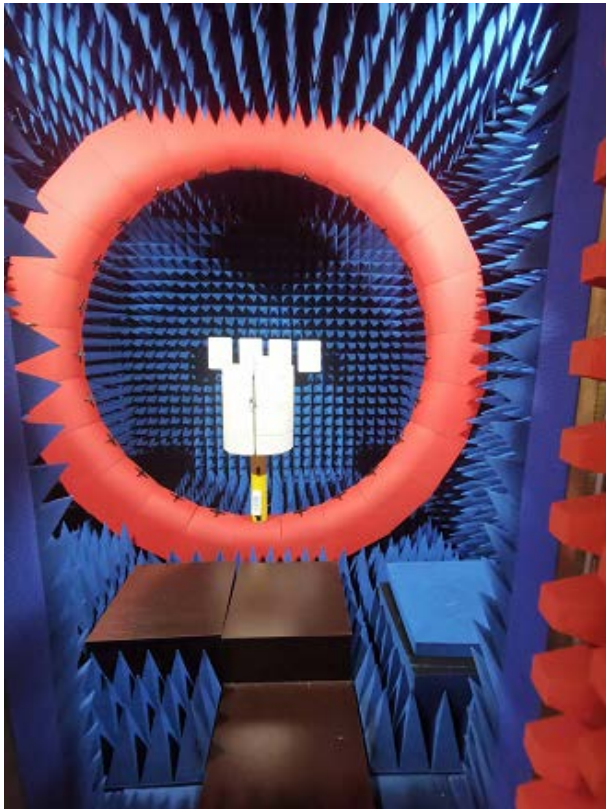
V Passive 3D&2D Field Pattern Diagram

VI Passive Efficiency&Gain

VII Antenna Matching

## I Introduction to Testing Room

1. Active test: supports 2G, 3G, 4G, 5G standard multi-mode measurement NB-IoT, eMTC, CAT-1, Bluetooth 1-5, WIFI 802.11 a/b/g/n/ac/ax, can measure TRP TIS.
2. Passive test: testable gain, efficiency.
3. TWS headphone test head mold, complete set of human heads and hands.



## II Machine Image



*Focused and sustained doing one thing*  
<https://www.xhy-2008.com>

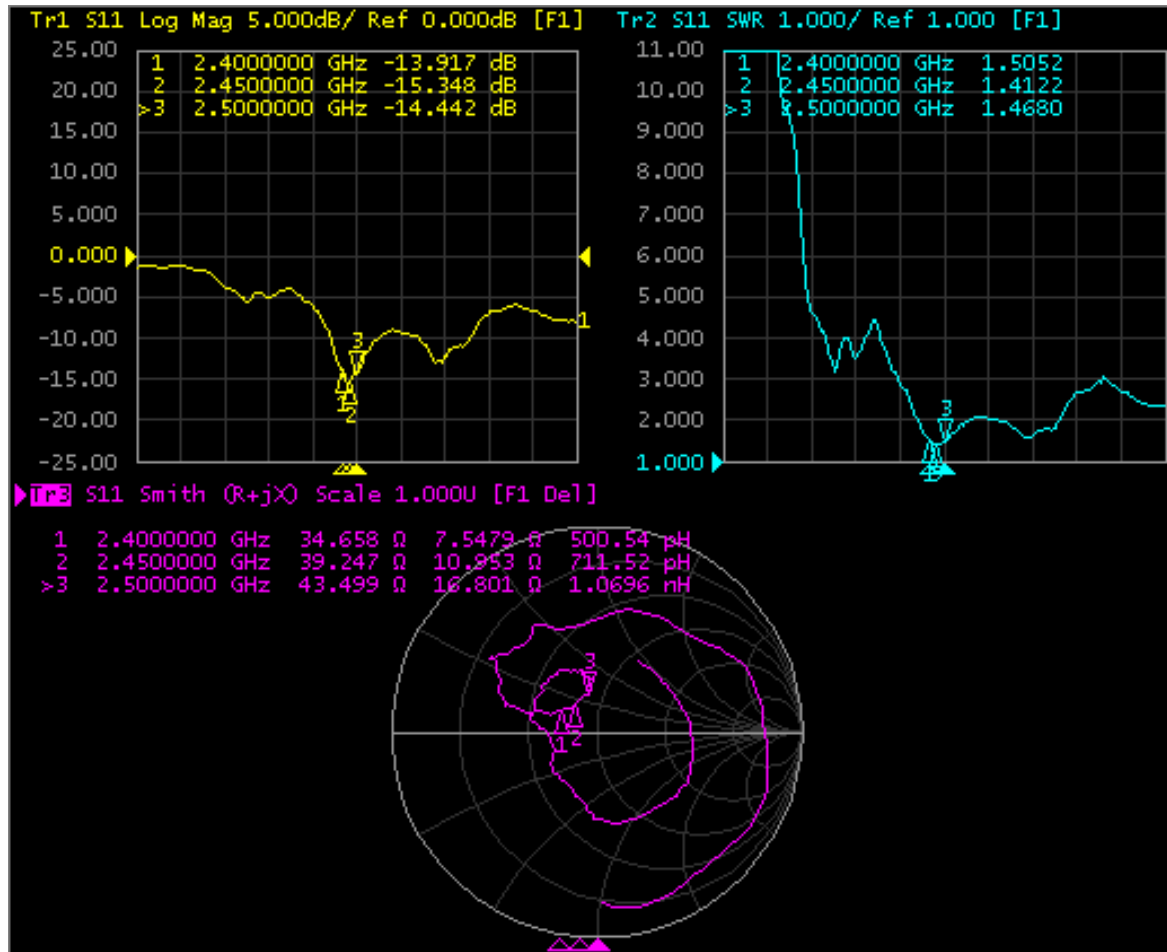
## III Antenna Position



*Focused and sustained doing one thing*  
<https://www.xhy-2008.com>

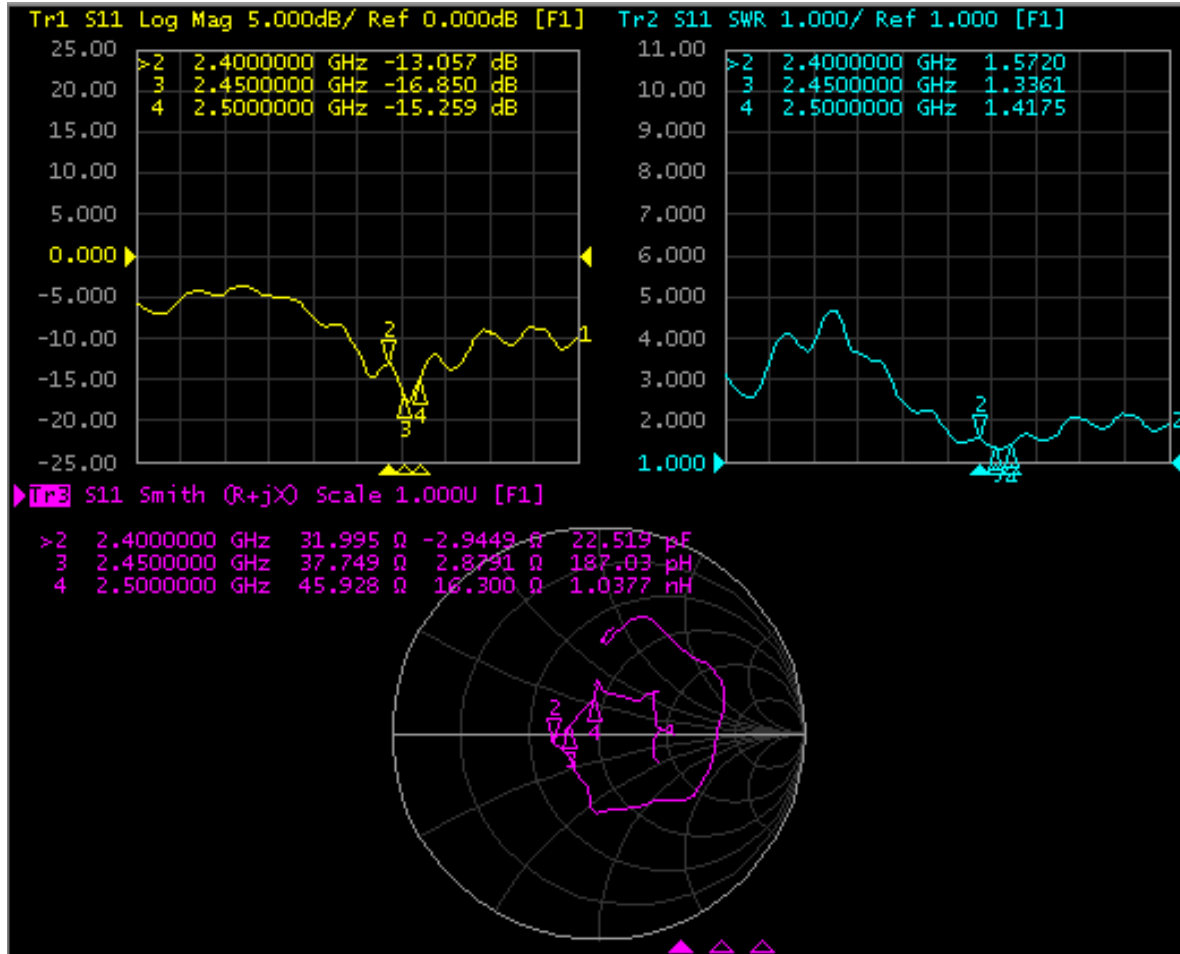


## IV Passive Standing Wave Diagram - L



*Focused and sustained doing one thing*  
<https://www.xhy-2008.com>

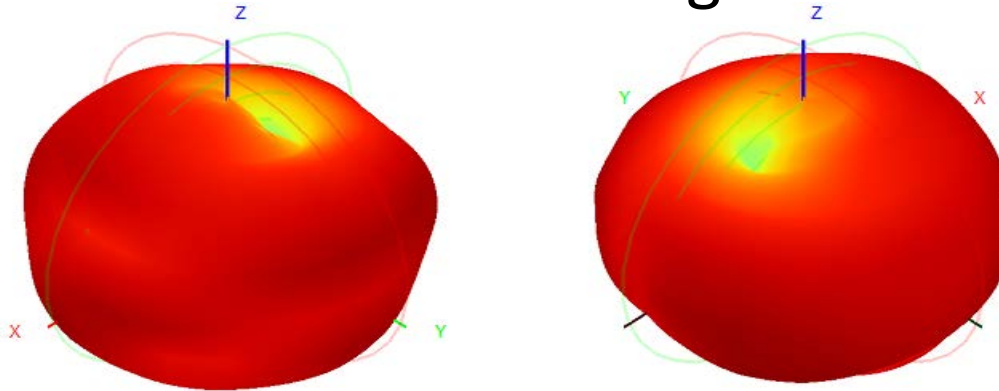
## IV Passive Standing Wave Diagram - R



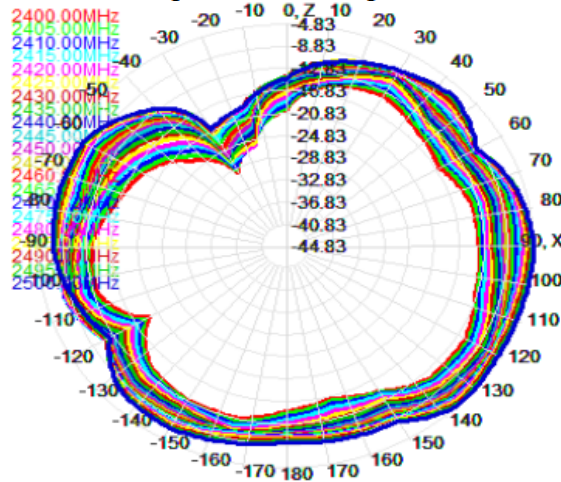
*Focused and sustained doing one thing*  
<https://www.xhy-2008.com>



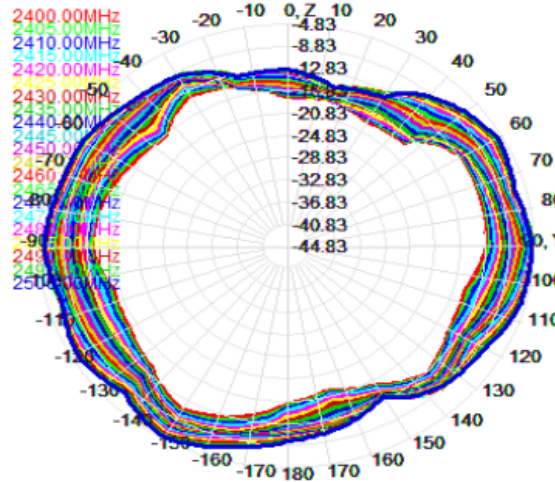
## V Passive 3D&2D Field Pattern Diagram - L



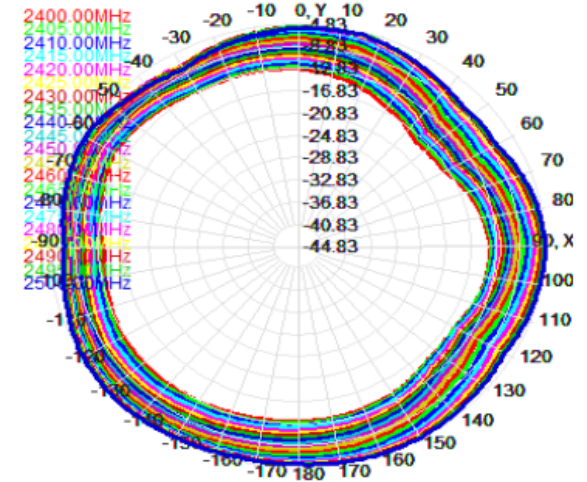
**Total(E1-XZ)**



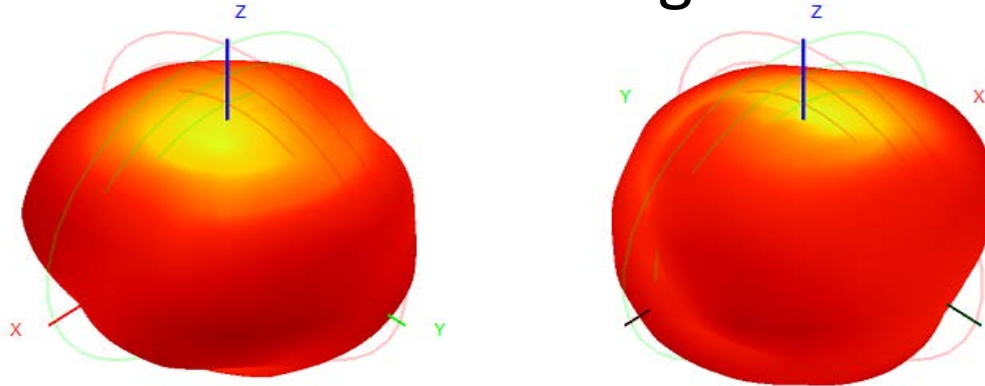
**Total(E2-YZ)**



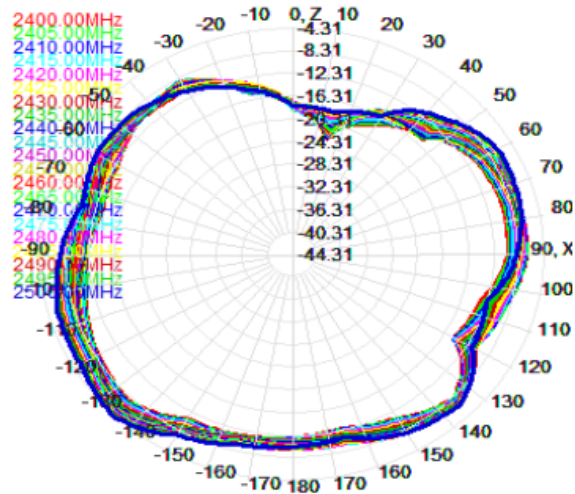
**Total(H-XY)**



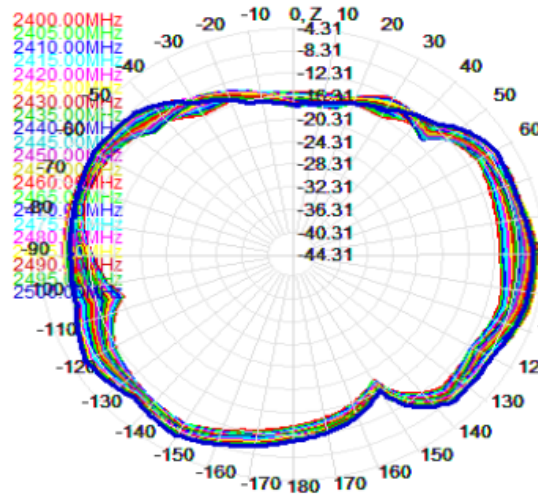
## V Passive 3D&2D Field Pattern Diagram - R



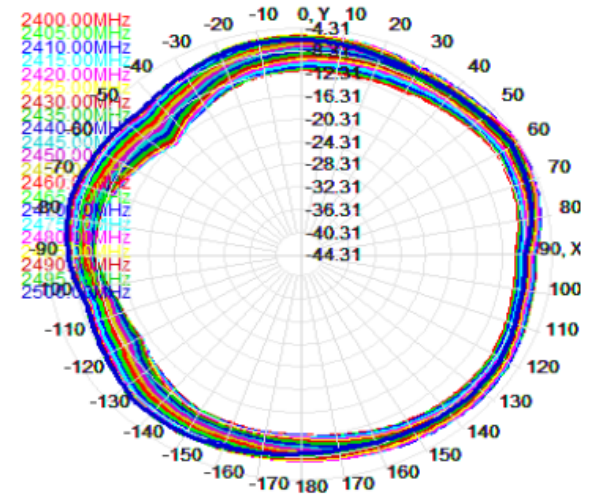
**Total(E1-XZ)**



**Total(E2-YZ)**



**Total(H-XY)**

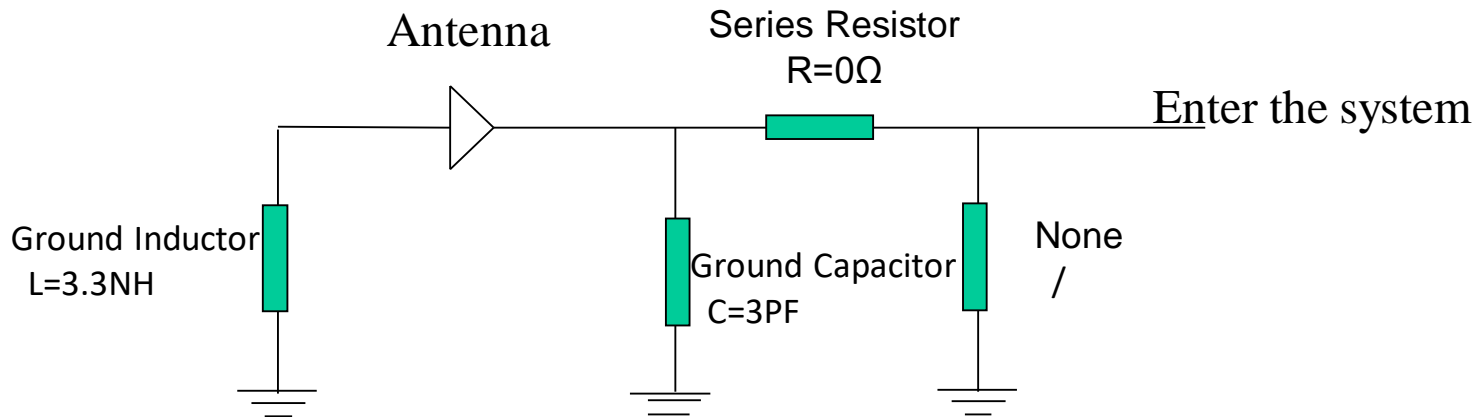


*Focused and sustained doing one thing*  
<https://www.xhy-2008.com>

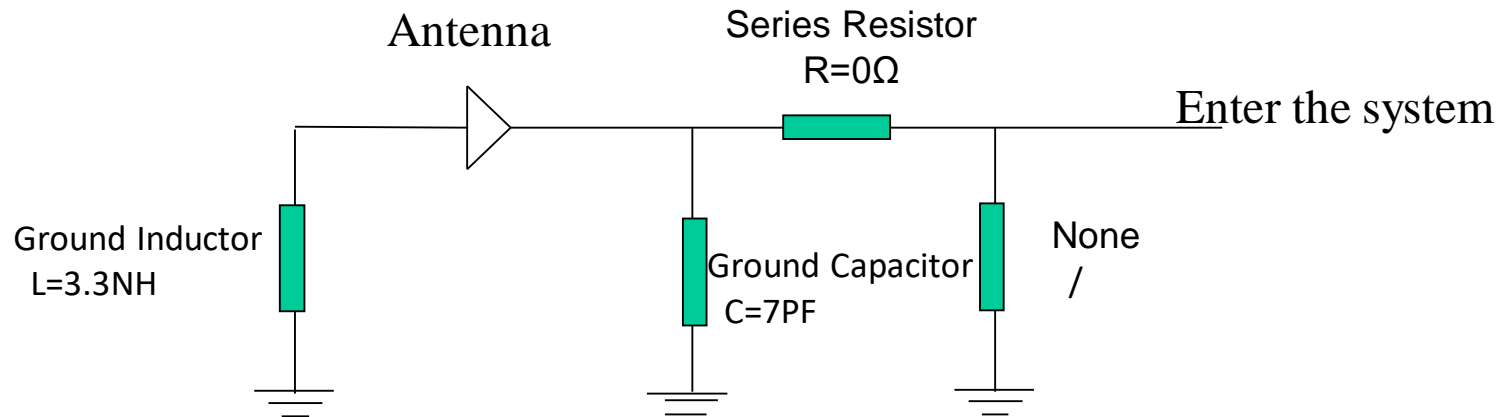
## VI Passive Efficiency&Gain

L			R		
Freq (MHz)	Gain(dBi)	Effi (%)	Freq (MHz)	Gain(dBi)	Effi (%)
2400	-4.87	19.49	2400	-5.32	21.15
2410	-4.49	20.38	2410	-5.08	21.71
2420	-4.20	21.24	2420	-4.95	22.14
2430	-4.90	22.07	2430	-4.90	22.55
2440	-4.71	23.01	2440	-4.84	23.03
2450	-4.55	23.85	2450	-4.91	23.34
2460	-4.29	24.70	2460	-4.77	23.75
2470	-4.12	25.61	2470	-4.63	24.00
2480	-3.86	26.55	2480	-4.56	24.03
2490	-3.64	27.35	2490	-4.42	24.10
2500	-3.42	28.00	2500	-4.31	24.21

## VII Antenna Matching - L



## VII Antenna Matching - R



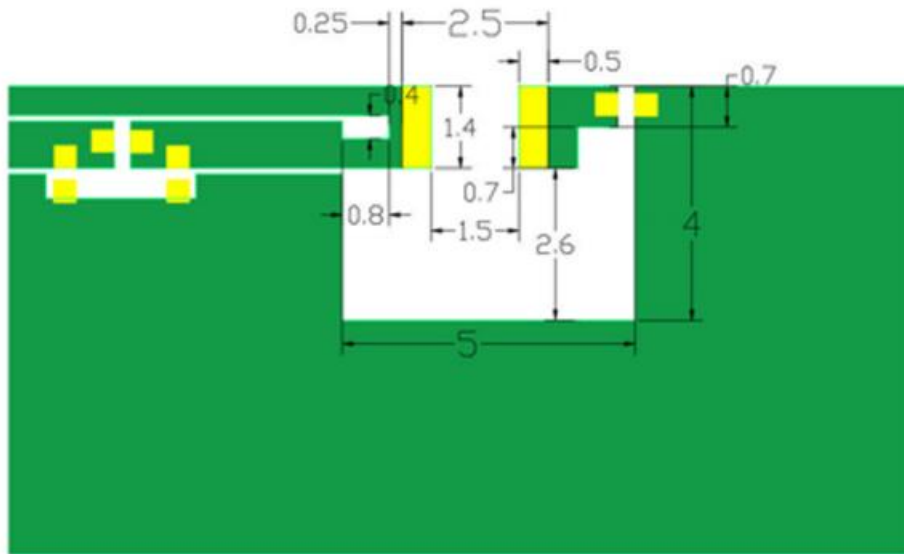


## 工程图纸 (Product Drawing)

### TERMINAL-CONFIGURATION



### EVALUATION BOARD



\*\*\*\*\*END\*\*\*\*\*

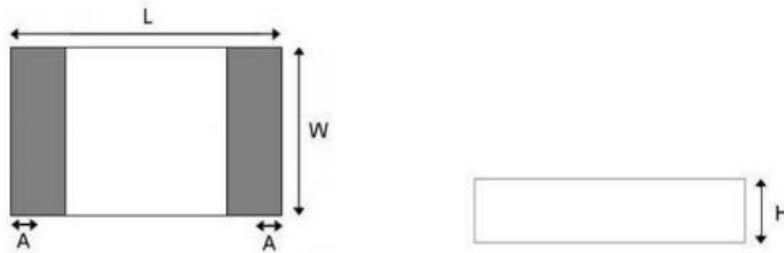




基本参数 (The basic parameters)

A. Electrical Characteristics	
Frequency	2400~2500MHZ 515
VSWR	< 3.5
Avg Efficiency	>15%
Impedance	50 ± 15 Ohm
Polarization	Linear
Peak Gain	2400~2500MHZ:-3.42dBi
B. Material & Mechanical Characteristics	
Material of Radiator	CHIP
Cable Type	/
Connector Type	/
Dimension	2.0*1.2*0.55±0.2mm
C. Environmental	
Operation Temperature	- 40 °C ~ + 85 °C
Storage Temperature	- 40 °C ~ + 85 °C

## Antenna position



### SHAPE AND DIMENSIONS

L	W	H	A
2.0±0.2	1.2±0.2	0.55±0.1	0.4±0.1