



# SPECIFICATION FOR APPROVAL

Customer name: BeiNaiTe

Product name: 2.4G copper wire antenna

Customer Part Number: \_\_\_\_\_

Manufacturers of Material: SFANT12E3222

Deliver quantity: 5PCS

Mark	Check	Examine and approve	Datelanded
Biao	Lisen	Amy	2022.10.21

That Customers:

Acknowledge	Check	Examine and approve	Datelanded

Admit that situation: new product  product shanges

Admit that project: acknowledgement soecimen 10PCS

Admit that conclusion: reception refuse

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Fax NO.: 0755-33233276

Email: [liqinghui@sufeitech.com](mailto:liqinghui@sufeitech.com)

## Main technical parameters of the product

<b>Main technical specifications</b>	
<b>Frequency Range(MHZ)</b>	<b>2400-2500</b>
<b>Gain (dBi)</b>	<b>2.05dBi</b>
<b>Impedance(<math>\Omega</math>)</b>	<b>50<math>\pm</math>10</b>
<b>ReTurnLoss(dB)</b>	<b><math>\leq</math>-10</b>
<b>VSWR</b>	<b><math>\leq</math>2</b>
<b>Admitted Power</b>	<b>1W</b>
<b>Polarization</b>	<b>Linear Vertical</b>
<b>Connector Type</b>	<b>Weld</b>
<b>Physical Properties</b>	
<b>Antenna Base</b>	<b>Copper</b>
<b>Operating Temp</b>	<b>-20<math>^{\circ}</math>C-+60<math>^{\circ}</math>C</b>
<b>Storage Temp</b>	<b>-20<math>^{\circ}</math>C-+70<math>^{\circ}</math>C</b>

### List of raw materials:

Serial number	Name	Texture	Quantity	Unit	Remark
1	Copper wire	TPE	1	PCS	



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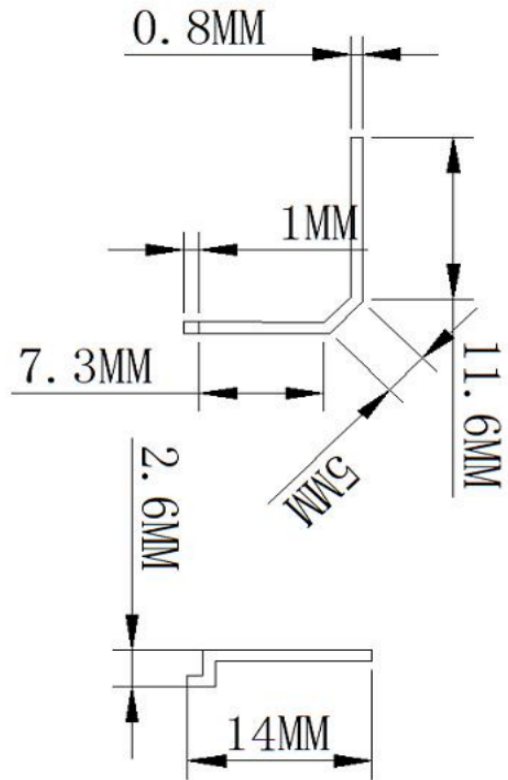
### Product drawing



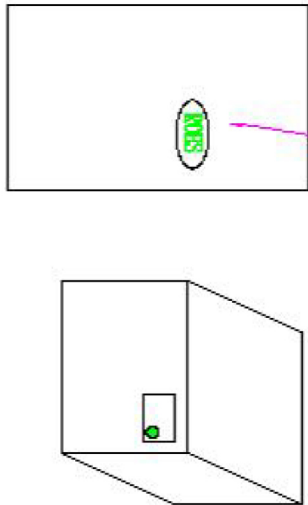
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### Product drawing

成品图



ROHS



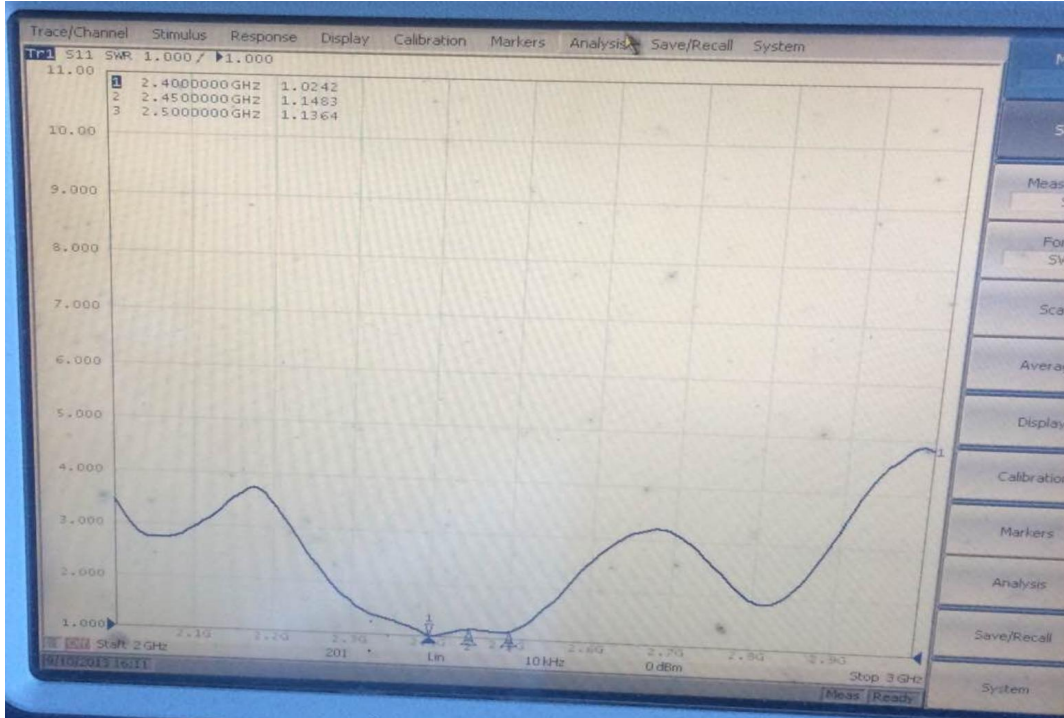
Specification:  
 Frequency Range: 2400-2500MHZ  
 Return Loss: -10DB or less  
 VSWR: 1.92 Max  
 Gain: 2.5 dbi

NO	DESCRIPTION	Q'TY
1	Spring Carbon steel	1

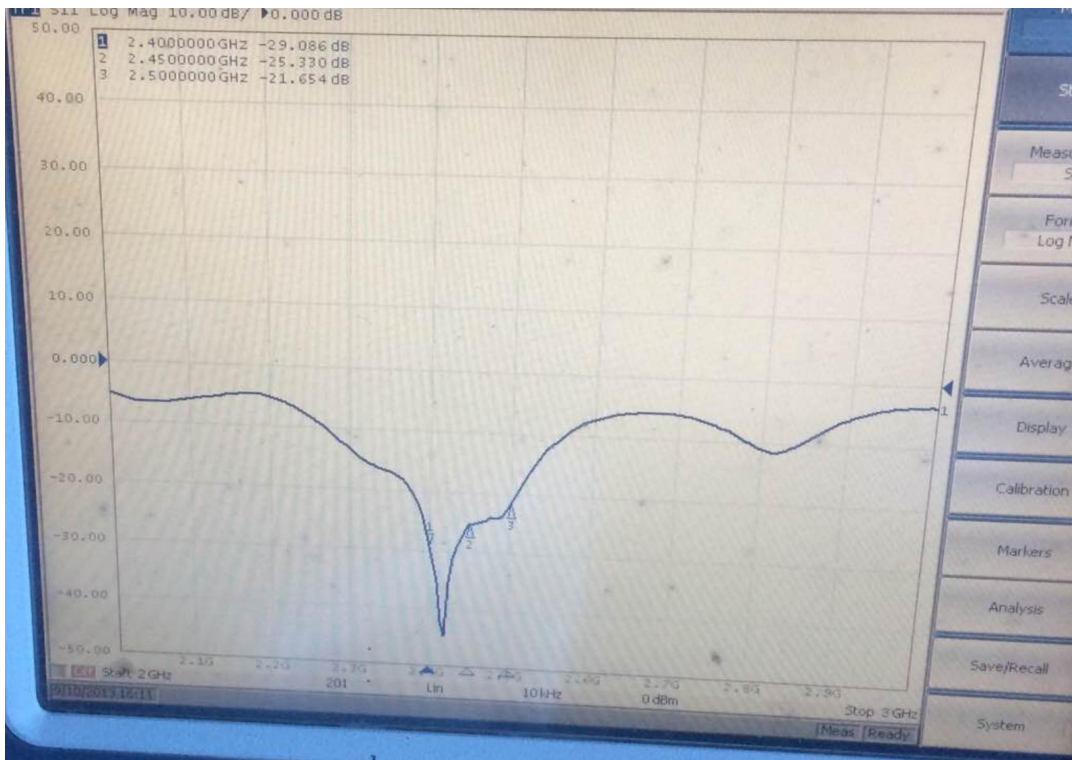
TITLE:	2.4G copper wire antenna				
P/N					
CUSTOMER:					
DRAW NO.:	SEAFIT12E1239				
DIMENSIONS TOLERANCES UNLESS OTHERWISE NOTED					
TOLERANCE	XX ±0.05	Y ±1.0	APPROVED		
	M ±0.1				
	N ±0.2				
	X ±0.5		CHECKED		
SHEET: 1/1		SCALE: 1/1	UNIT: MM	REV: A	DRAWN
ShenZhen XinErSheng(SuFei) Technology Co.,Ltd					

## Network analyzer test report:

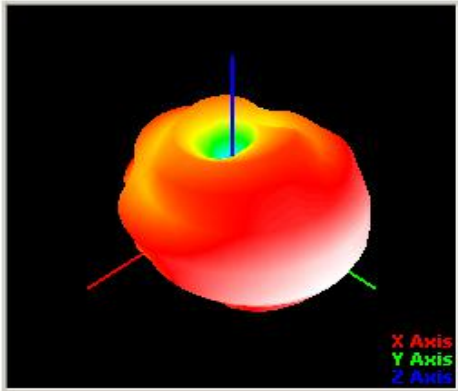
### 1. SWR:



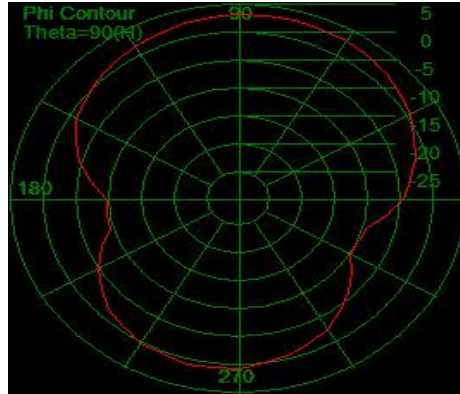
### 2. return loss



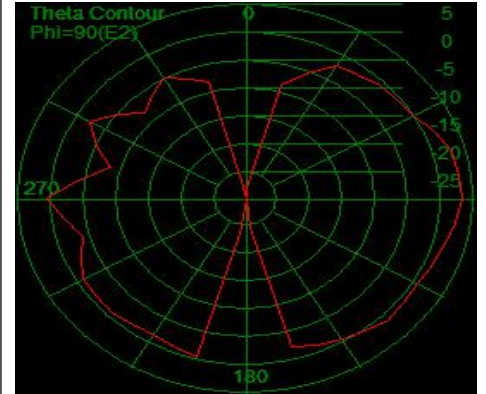
2D、3DRaditation Pattern



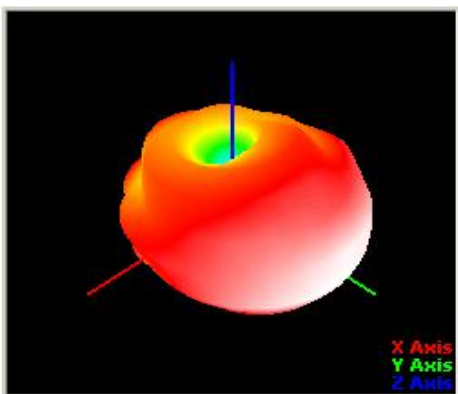
2.4G



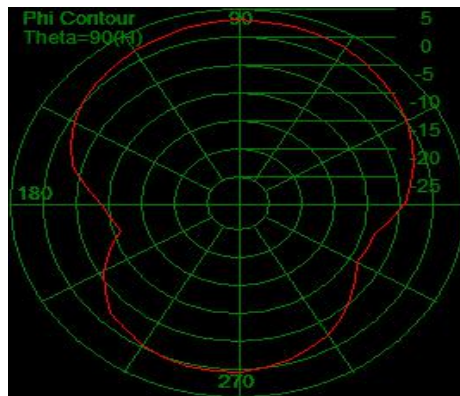
Gain(Peak):2.05dBi



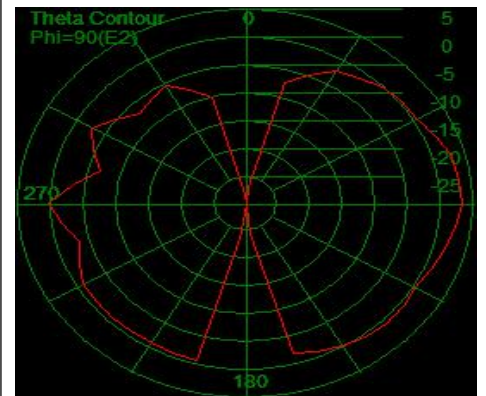
Efficiency:64.4%



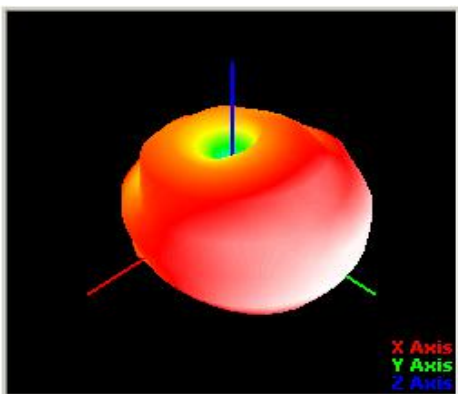
2.45G



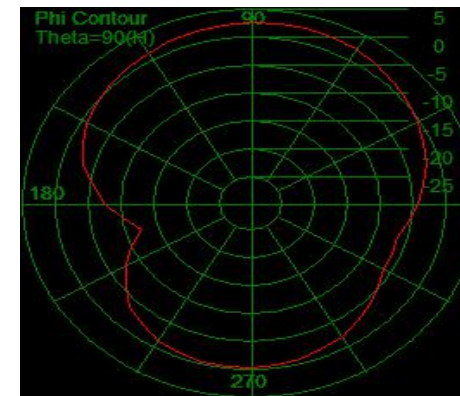
Gain(Peak):1.96dBi



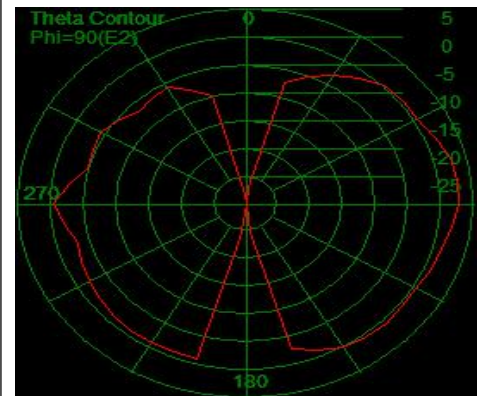
Efficiency:62.8%



2.5G



Gain(Peak):1.83dBi



Efficiency:61.4%