



# SPECIFICATION FOR APPROVAL

Customer name: BeiNaiTe

Product name: 2.4G copper tube antenna 1.13 gray wire L=170MM

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

Manufacturers of Material: SFANT11A13359

Deliver quantity: 5PCS

Mark	Check	Examine and approve	Datelanded
Biao	Lisen	Amy	2022.09.05

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±0.5dBi</b>
<b>Impedance(Ω)</b>	<b>50±10</b>
<b>ReTurnLoss(dB)</b>	<b>≤-10</b>
<b>VSWR</b>	<b>≤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℃-+60℃</b>
<b>Storage Temp</b>	<b>-20℃-+70℃</b>

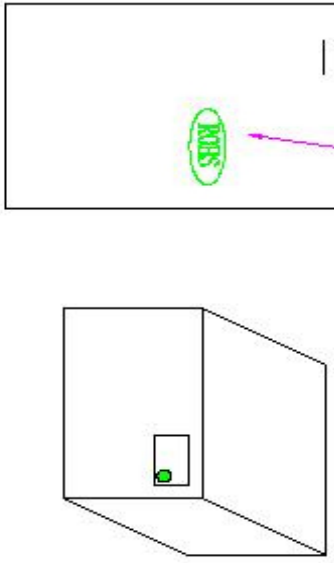
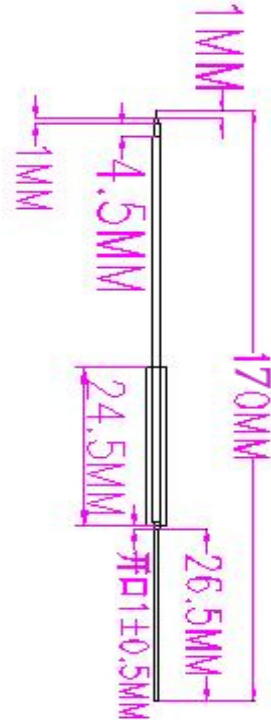



### List of raw materials:

Serial number	Name	Texture	Quantity	Unit	Remark
1	Copper pipe	Copper(H65)	1	PCS	
2	Wire rod	1.13 Gray	1	PCS	

## Product drawing

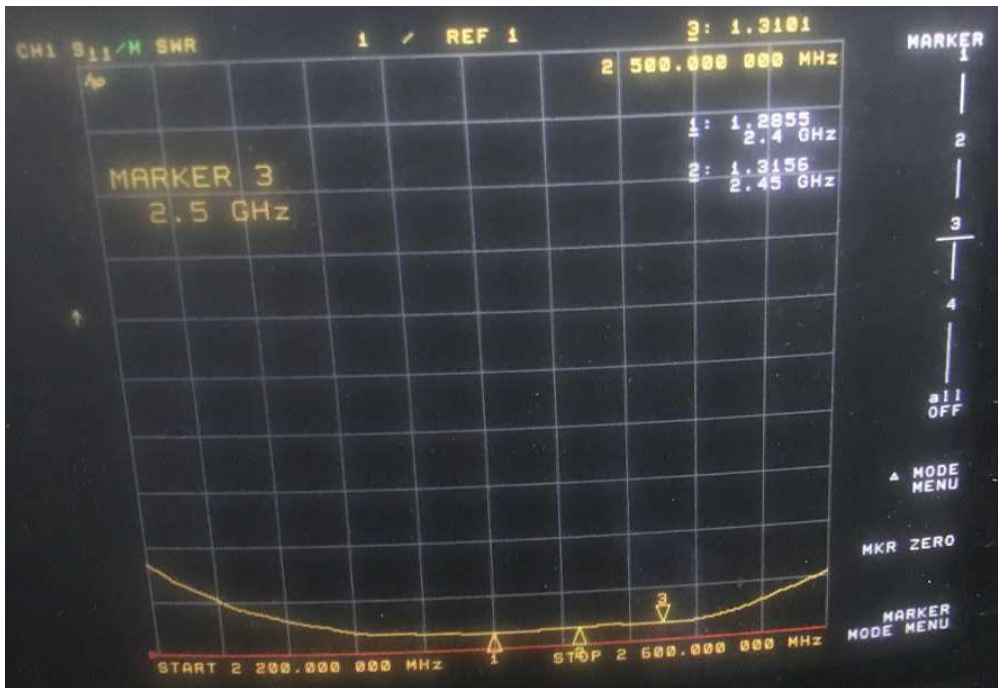
NO		DESCRIPTION	QTY	REMARK
1	Copper pipe	B55	1	
2	Cable	1.13 Grey	1	
3				
4				
5				
6				

			
<p> <b>Specification:</b>            Frequency Rang:2400-2500MHZ            Return Loss:-10DB or less            VSWR*1.92 Max            Gain:2.0 dbi         </p>			
<b>TITLE:</b> 2.4G copper tube antenna 1.13 gray wire L=140MM		ShenZhen XinErSheng Technology Co.,Ltd	
<b>P/N</b>		SHANT11A13359	
<b>OUTSTOMER:</b>		UNLESS OTHERWISE NOTED	
<b>DRAW NO:</b>		DIMENSIONS TOLERANCES UNLESS OTHERWISE NOTED	
<b>TOLERANCE</b>		XXX ±0.05	XX±1.0
		XX±0.1	
		X±0.2	
		X±0.5	
<b>UNIT:MM</b>		<b>SHEET:1/1</b>	<b>SCALE:1/1</b>
<b>REV. A</b>			<b>APPROVED</b>
			<b>CHECKED</b>
			<b>DRAWED</b>

Network analyzer test report:

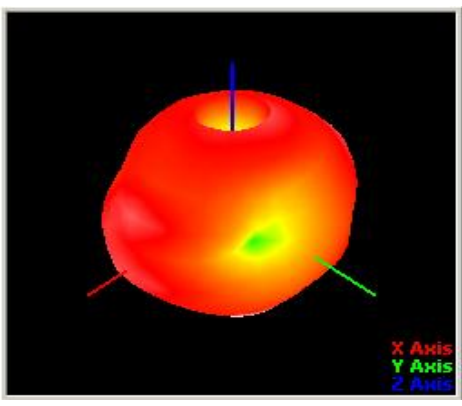
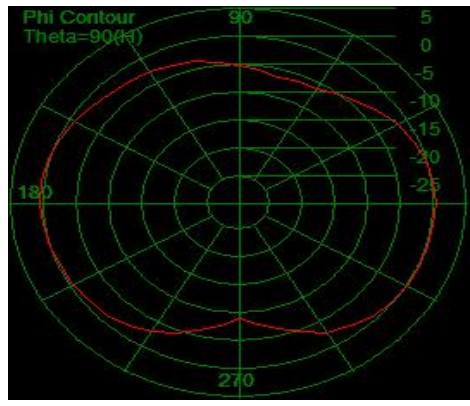
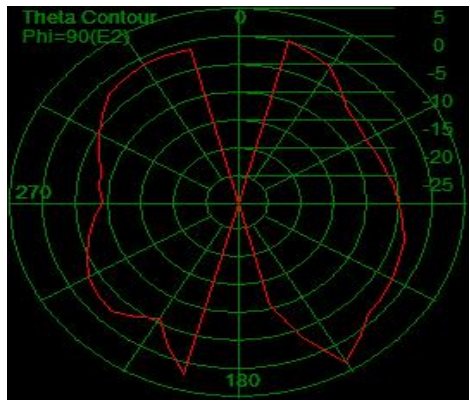
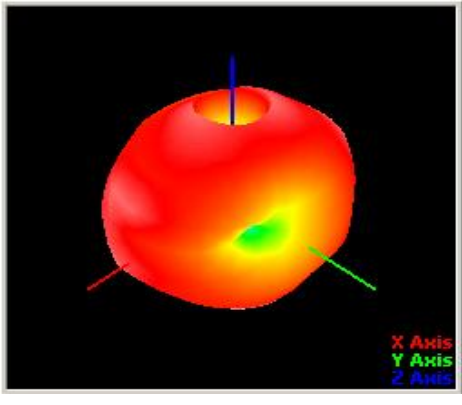
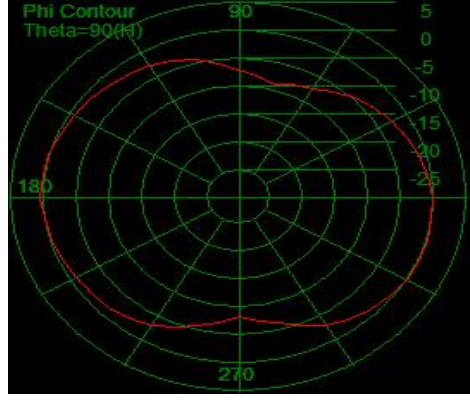
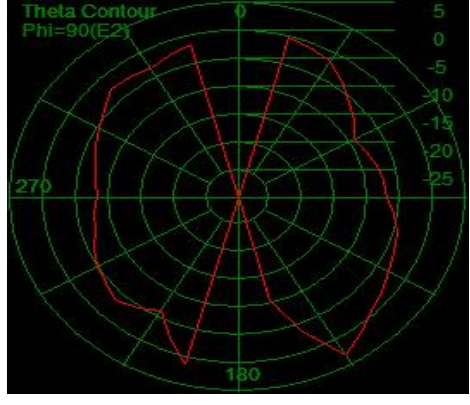
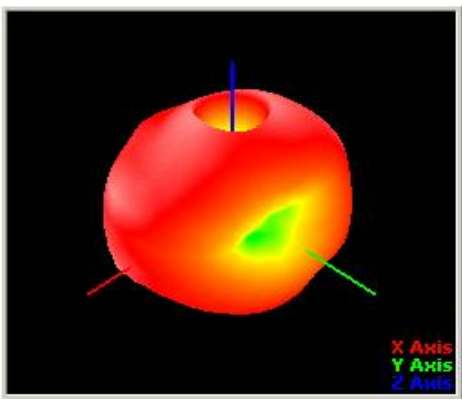
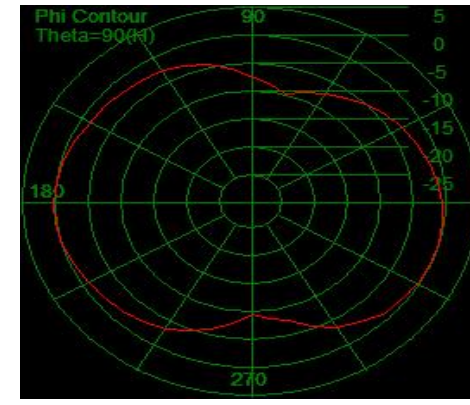
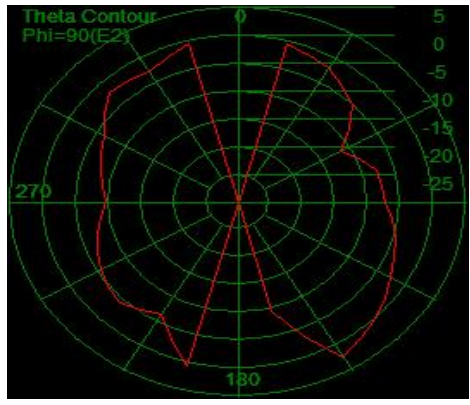
1. SWR:



2. return loss



2D、3DRaditation Pattern

 <p>X Axis Y Axis Z Axis</p>	 <p>Phi Contour Theta=90(φ)</p>	 <p>Theta Contour Phi=90(E2)</p>
<p>2.4G</p>	<p>Gain(Peak):2.5dBi</p>	<p>Efficiency:64.8%</p>
 <p>X Axis Y Axis Z Axis</p>	 <p>Phi Contour Theta=90(φ)</p>	 <p>Theta Contour Phi=90(E2)</p>
<p>2.45G</p>	<p>Gain(Peak):2.13dBi</p>	<p>Efficiency:61.2%</p>
 <p>X Axis Y Axis Z Axis</p>	 <p>Phi Contour Theta=90(φ)</p>	 <p>Theta Contour Phi=90(E2)</p>
<p>2.5G</p>	<p>Gain(Peak):2.01dBi</p>	<p>Efficiency:58.3%</p>