



# SPECIFICATION FOR APPROVAL

Customer name: BeiNaiTe

Product name: 2.4G copper tube antenna

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

Manufacturers of Material: SFANTR316001

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

Company address : Floor 3, Building D, No.96 Lingxia Road, Fuyong Fenghuang Fourth Industrial Zone, Baoan District, Shenzhen

Phone number: 0755-33881455

Fax NO.: 0755-33233276

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

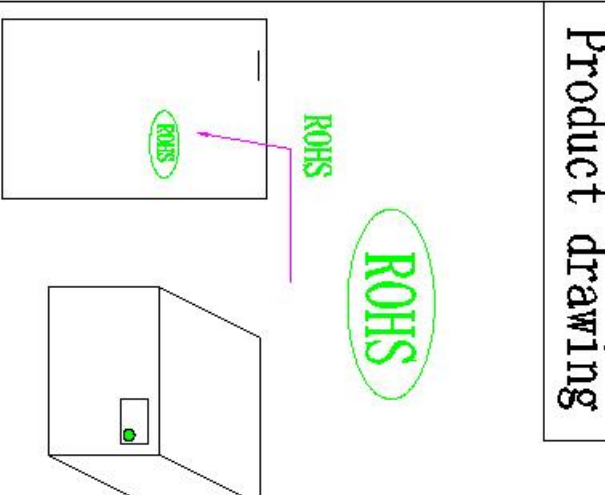
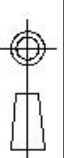
## Main technical parameters of the product

<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:

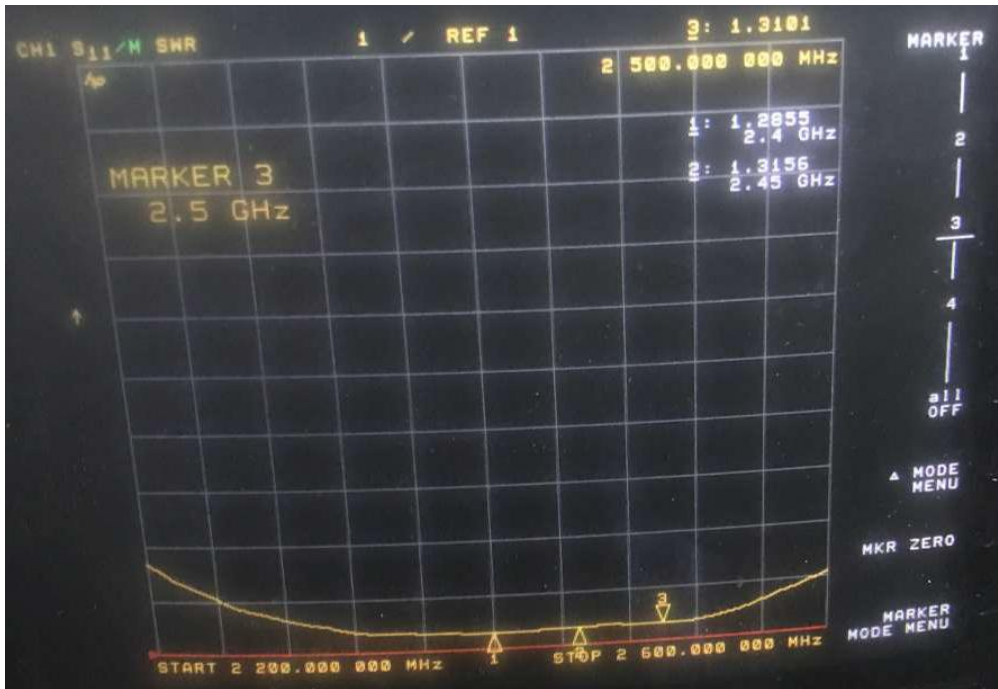
Serial number	Name	Texture	Quantity	Unit	Remark
1	Wire rod	316 wire	1	PCS	

## Product drawing

Product drawing																													
																													
<p>Specification:</p> <p>Frequency Rang: 2400-2500MHZ</p> <p>Return Loss: -10DB or less</p> <p>VSWR*1.92 Max</p> <p>gain: 2.0 dbi</p>																													
<table border="1"> <tr> <td>6</td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>Cable</td> <td>316 wire</td> <td>1</td> </tr> <tr> <td>NO</td> <td>DESCRIPTION</td> <td>QTY</td> <td>REMARK</td> </tr> </table>		6				5				4				3				2				1	Cable	316 wire	1	NO	DESCRIPTION	QTY	REMARK
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<p>TITLE: 2.4G copper tube antenna</p> <p>P/N</p> <p>CUSTOMER:</p> <p>DRAW NO.: SPANTR316001</p> <p>DIMENSIONS TOLERANCES UNLESS OTHERWISE NOTED</p> <table border="1"> <tr> <td>TOLERANCE</td> <td>XXX ±0.05</td> <td>XX ±1.0</td> </tr> <tr> <td></td> <td>XX ±0.1</td> <td></td> </tr> <tr> <td></td> <td>X ±0.2</td> <td></td> </tr> <tr> <td></td> <td>X ±0.5</td> <td></td> </tr> </table>	TOLERANCE	XXX ±0.05	XX ±1.0		XX ±0.1			X ±0.2			X ±0.5		<p>ShenZhen XinErSheng Technology Co.,Ltd</p> <p>  </p> <table border="1"> <tr> <td>APPROVED</td> <td>CHECKED</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>DRAWN</td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table> <p>       SHEET: 1/1    SCALE: 1/1        UNIT: MM    REV. A     </p>	APPROVED	CHECKED			DRAWN											
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Network analyzer test report:

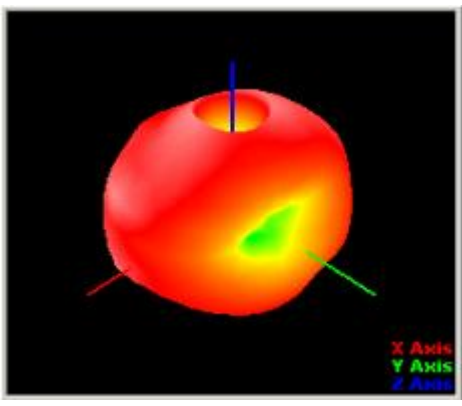
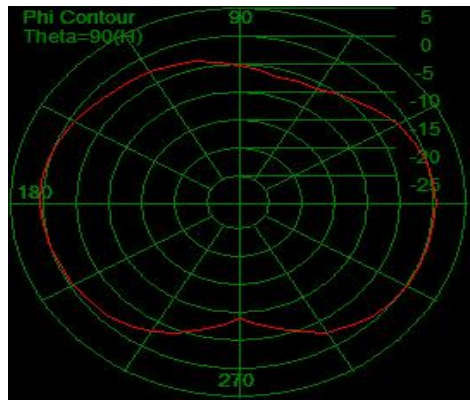
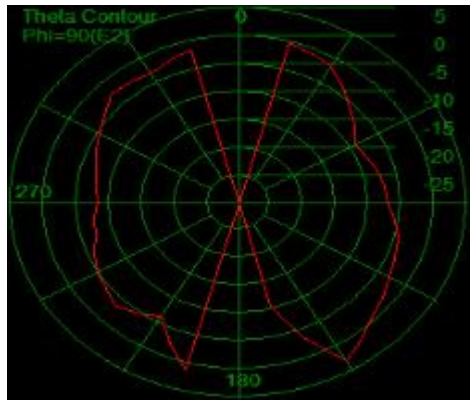
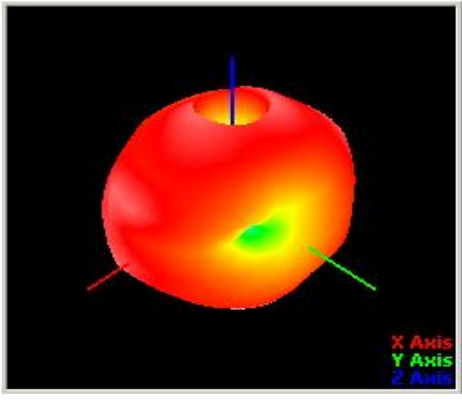
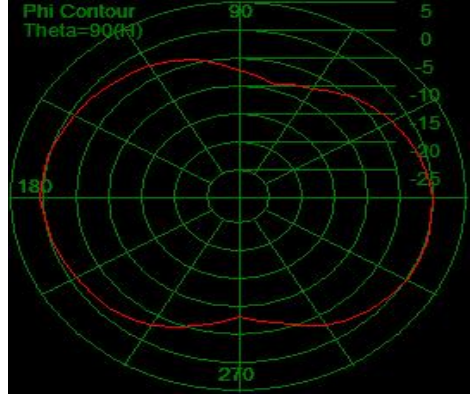
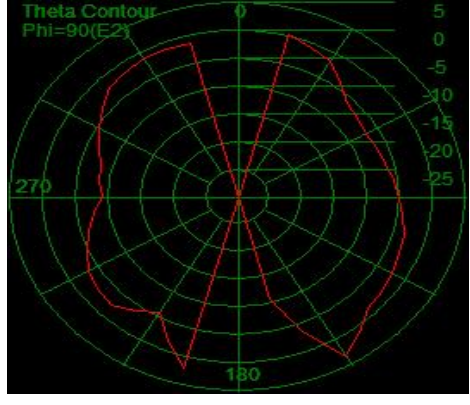
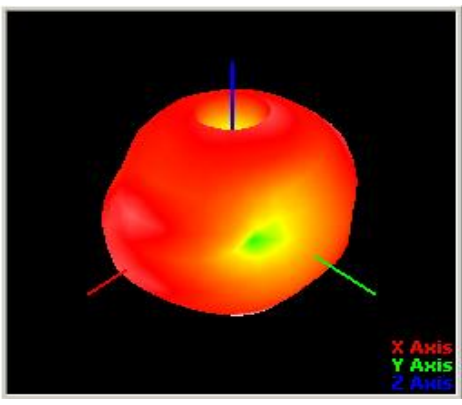
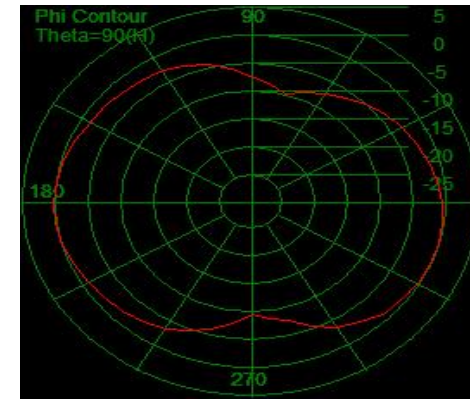
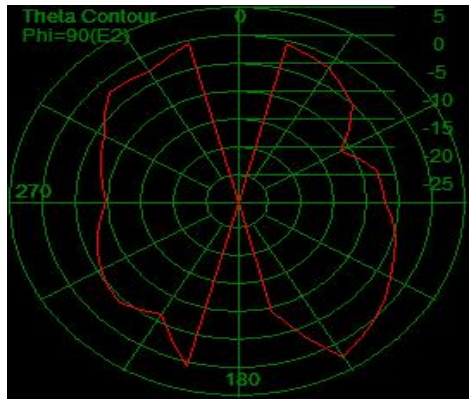
1. SWR:



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(Eθ)</p>
<p>2.4G</p>	<p>Gain(Peak):1.91dBi</p>	<p>Efficiency:51.2%</p>
 <p>X Axis Y Axis Z Axis</p>	 <p>Phi Contour Theta=90(φ)</p>	 <p>Theta Contour Phi=90(Eθ)</p>
<p>2.45G</p>	<p>Gain(Peak):2 dBi</p>	<p>Efficiency:53.1%</p>
 <p>X Axis Y Axis Z Axis</p>	 <p>Phi Contour Theta=90(φ)</p>	 <p>Theta Contour Phi=90(Eθ)</p>
<p>2.5G</p>	<p>Gain(Peak):1.96dBi</p>	<p>Efficiency:52.7%</p>