



Sheen XinErSheng Technology Co.,Ltd

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

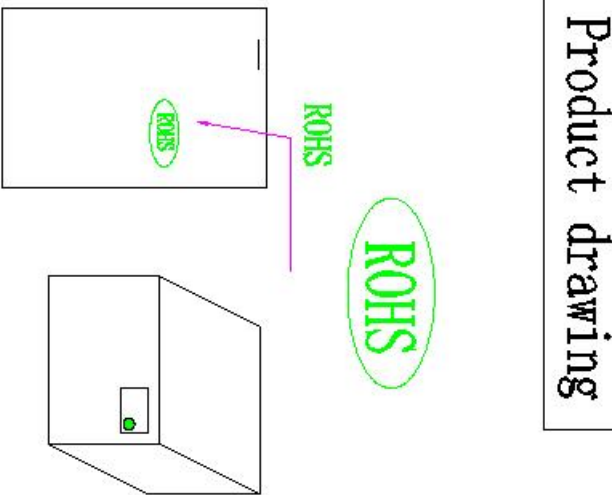

Main technical parameters of the product

Main technical specifications	
Frequency Range(MHZ)	2400-2500
Gain (dBi)	2±0.5dBi
Impedance(Ω)	50±10
ReTurnLoss(dB)	≤-10
VSWR	≤2
Admitted Power	1W
Polarization	Linear Vertical
Connector Type	Weld
Physical Properties	
Antenna Base	Copper
Operating Temp	-20℃-+60℃
Storage Temp	-20℃-+70℃

List of raw materials:

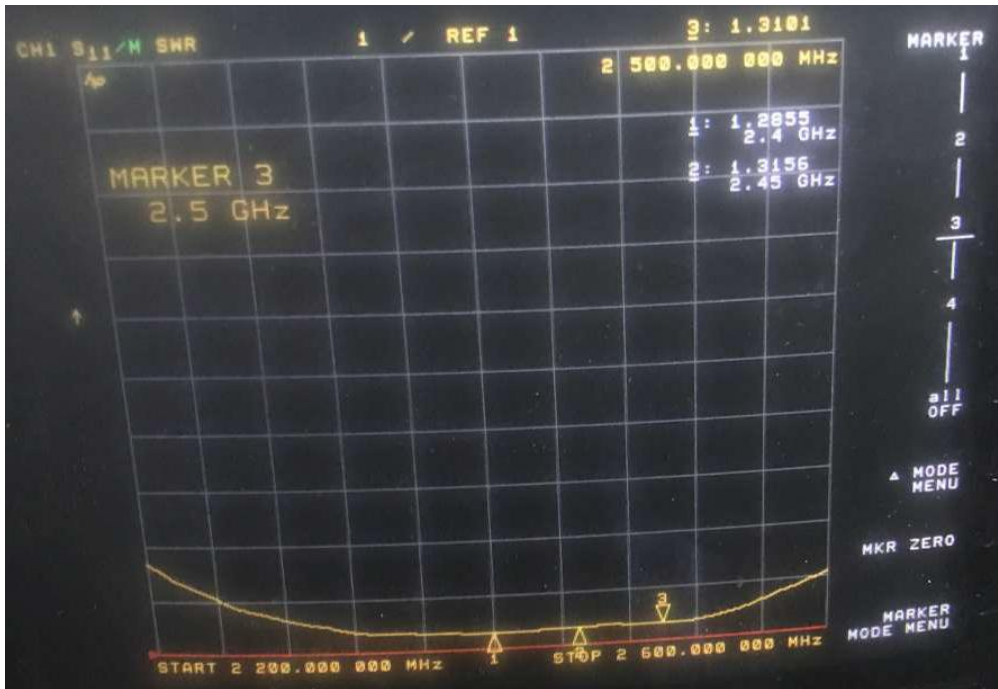
Serial number	Name	Texture	Quantity	Unit	Remark
1	Wire rod	316 wire	1	PCS	

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
6																													
5																													
4																													
3																													
2																													
1	Cable	316 wire	1																										
NO	DESCRIPTION	QTY	REMARK																										
<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>DRAWN</td> <td>REVISION</td> </tr> </table>	APPROVED	CHECKED	DRAWN	REVISION												
TOLERANCE	XXX ±0.05	XX ±1.0																											
	XX ±0.1																												
	X ±0.2																												
	X ±0.5																												
APPROVED	CHECKED																												
DRAWN	REVISION																												

Network analyzer test report:

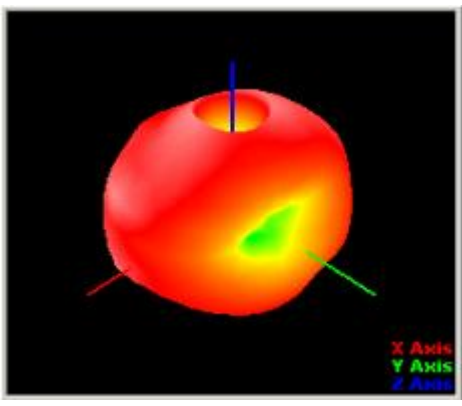
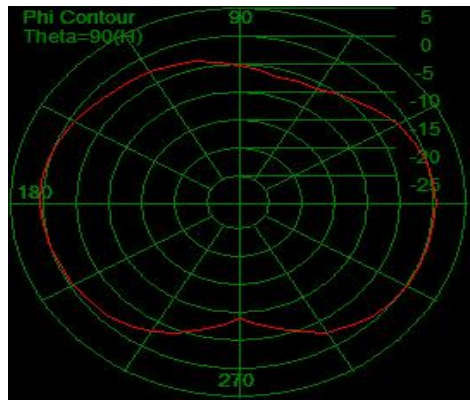
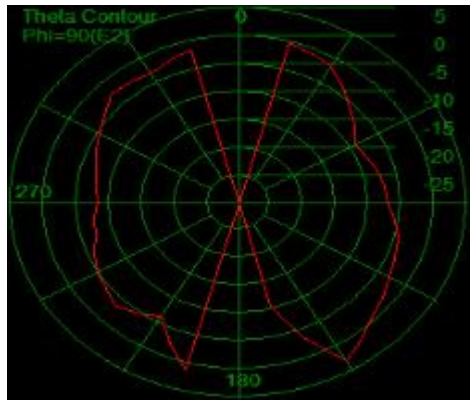
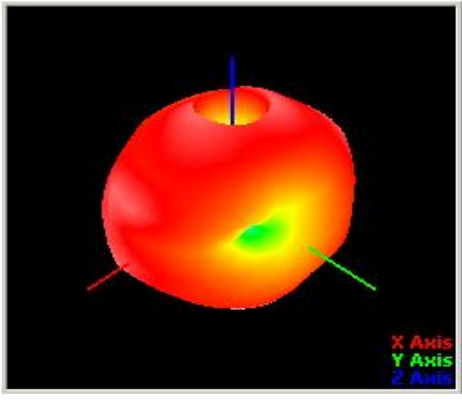
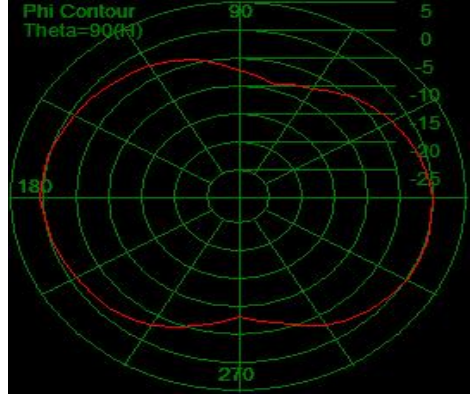
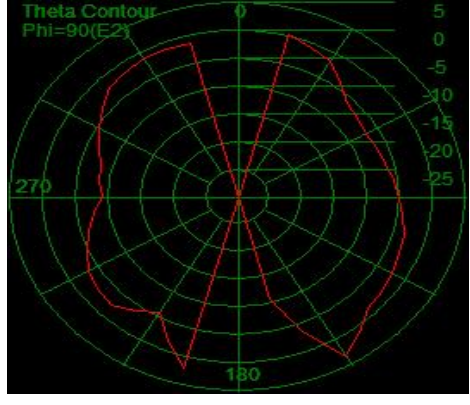
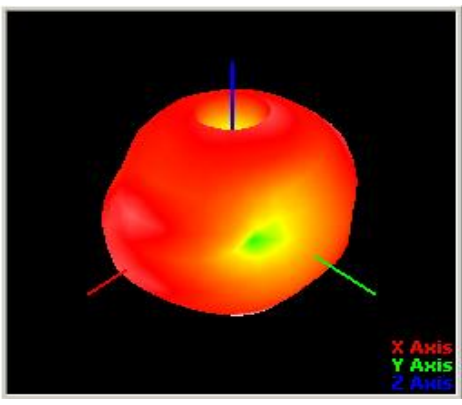
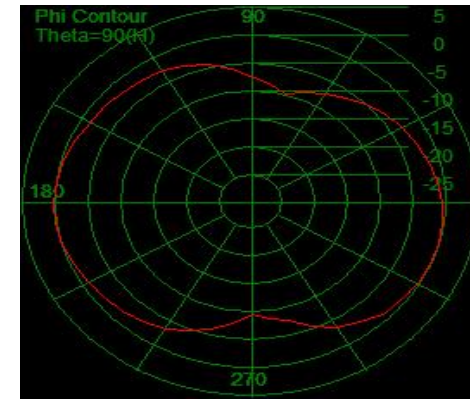
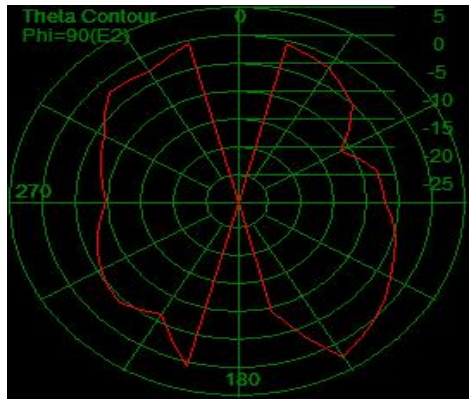
1. SWR:



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(θ)</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(θ)</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(θ)</p>
<p>2.5G</p>	<p>Gain(Peak):1.96dBi</p>	<p>Efficiency:52.7%</p>