



# SPECIFICATION FOR APPROVAL

Customer name: BeiNaiTe

Product name: 2.4G copper tube antenna 1.13 gray wire L=190MM

Customer Part Number: W1-1301--3226-002-04

Manufacturers of Material: SFANT12G13299

Deliver quantity: 5PCS

Mark	Check	Examine and approve	Datelanded
Biao	Lisen	Amy	2022.12.27

That Customers:

Acknowledge	Check	Examine and approve	Datelanded

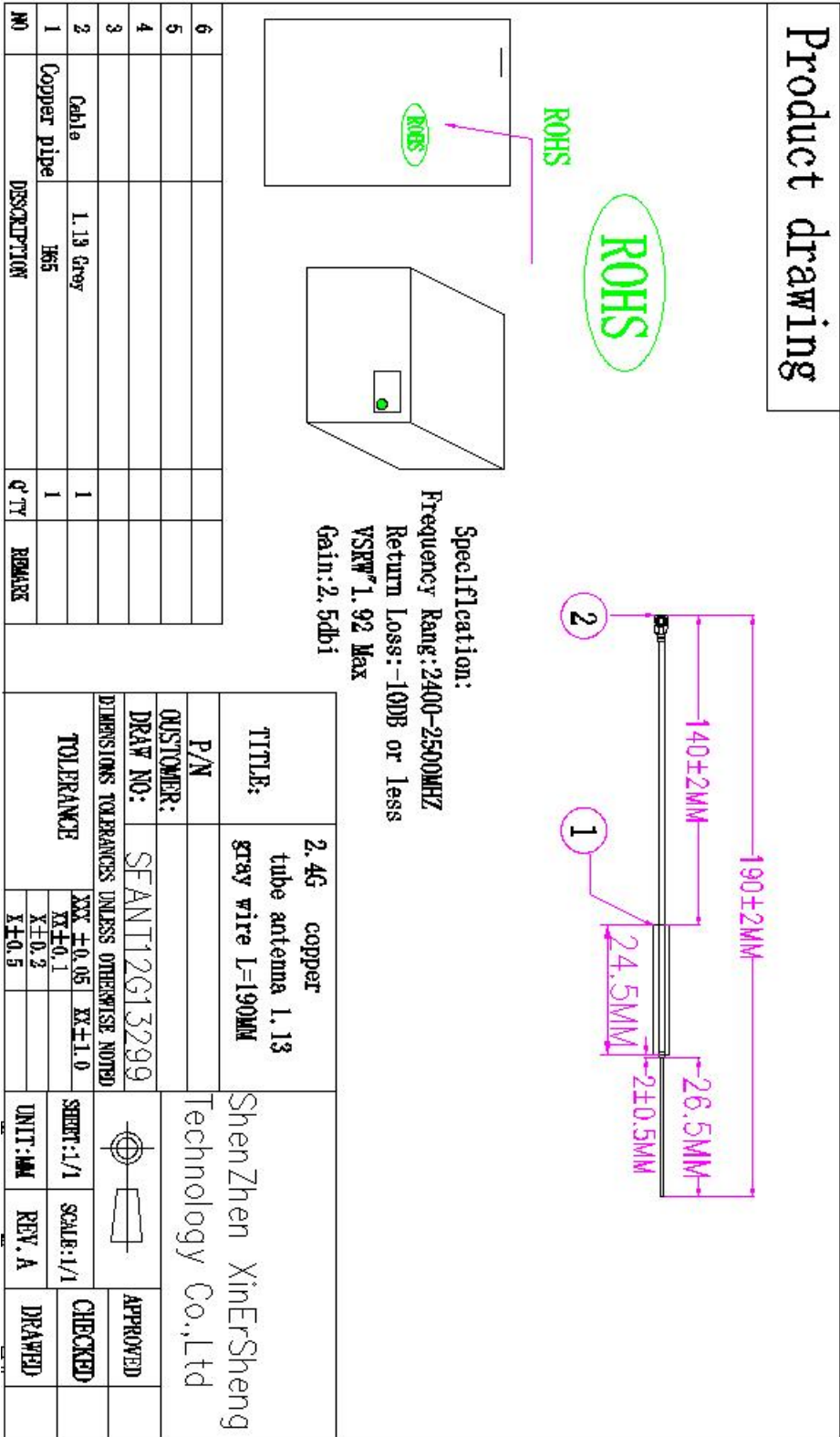
## Main technical parameters of the product

<b>Main technical specifications</b>	
<b>Frequency Range(MHZ)</b>	<b>2400-2483</b>
<b>Gain (dBi)</b>	<b>2.5±0.5dBi</b>
<b>Impedance(Ω)</b>	<b>50±10</b>
<b>ReTurnLoss(dB)</b>	<b>≤-10</b>
<b>VSWR</b>	<b>≤1.92</b>
<b>Admitted Power</b>	<b>1W</b>
<b>Polarization</b>	<b>Linear Vertical</b>
<b>Connector Type</b>	<b>IPEX</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:

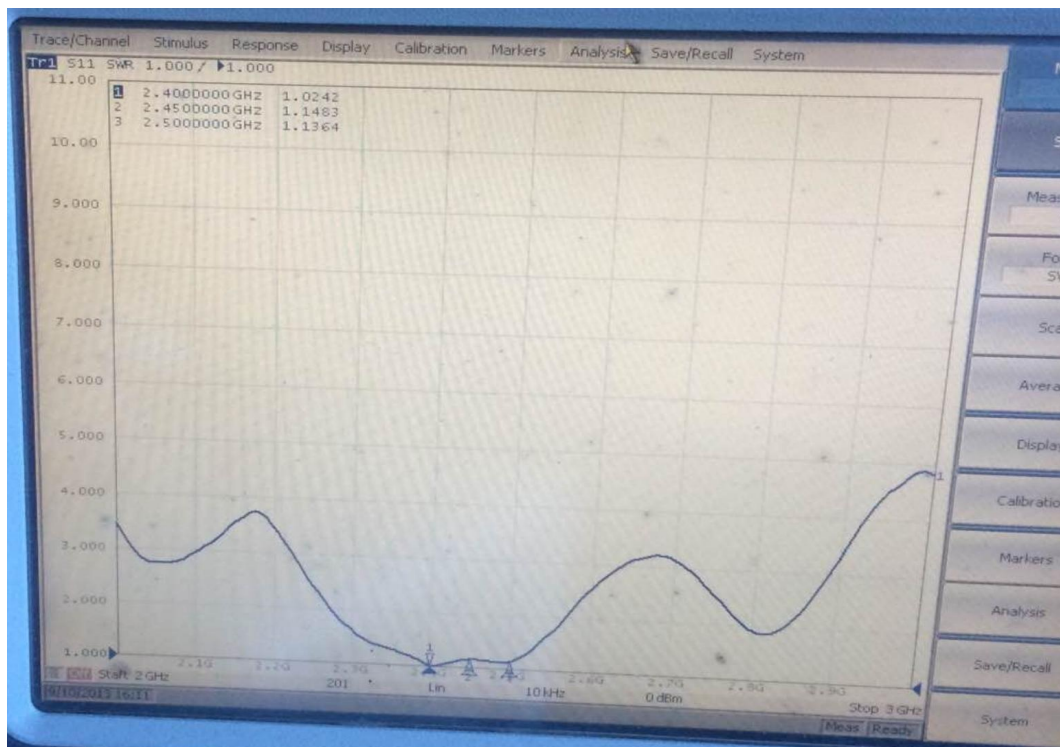
Serial number	Name	Texture	Quantity	Unit	Remark
1	Copper pipe	Copper(H65)	1	PCS	
2	Wire rod	1.13 Gray	1	PCS	

## Product drawing

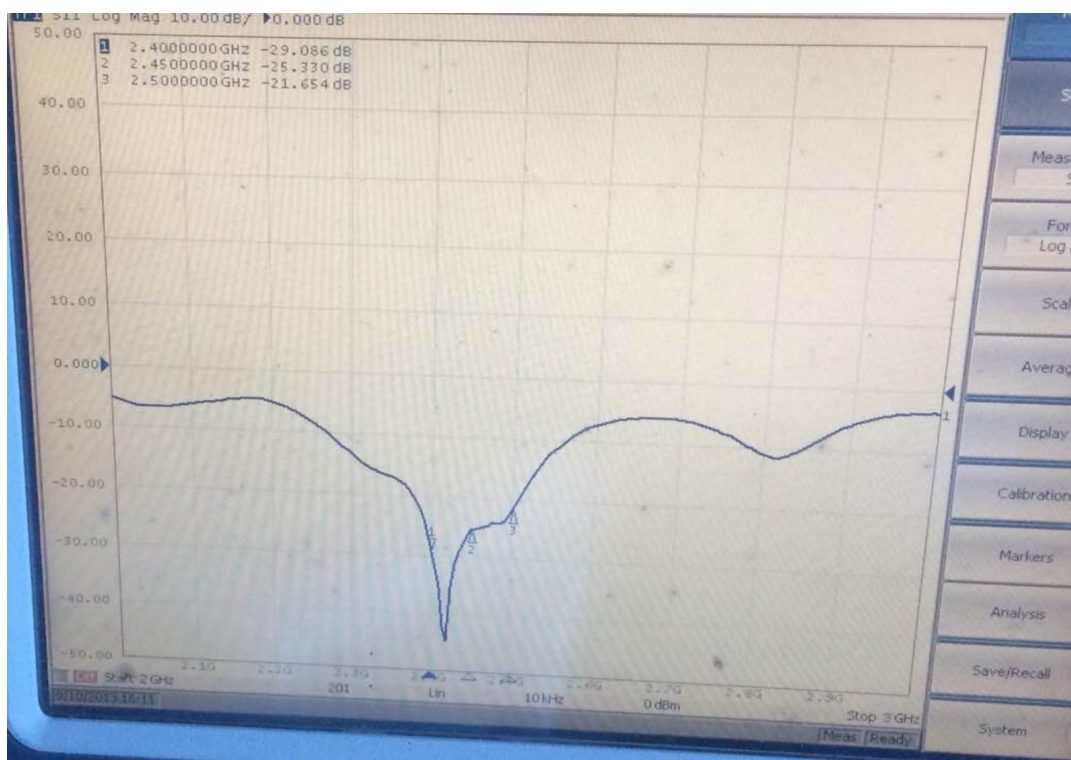


## Network analyzer test report:

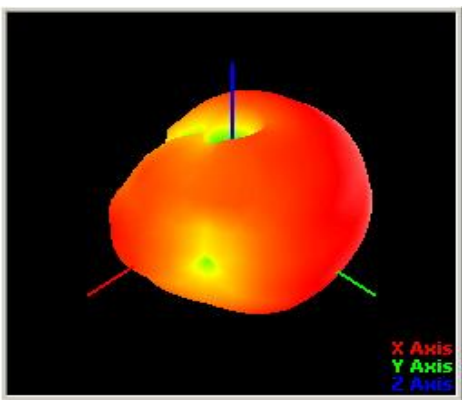
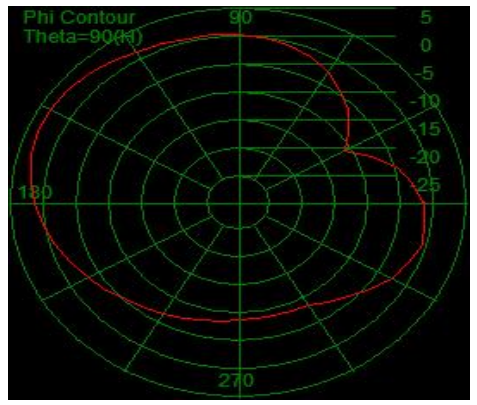
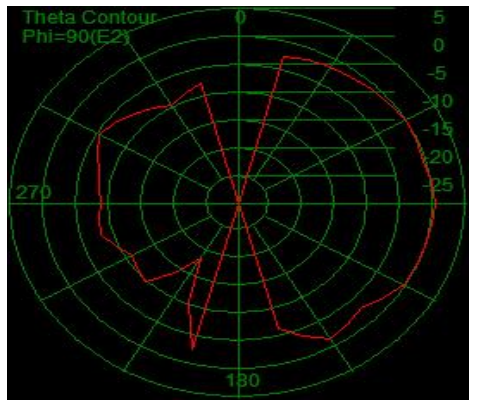
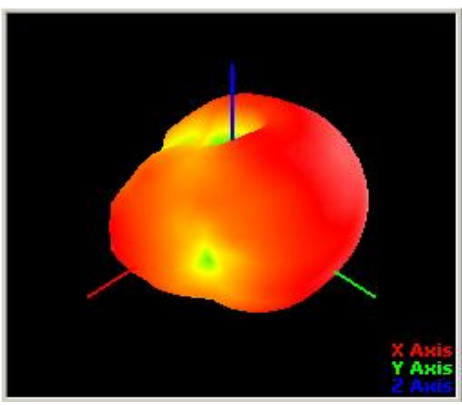
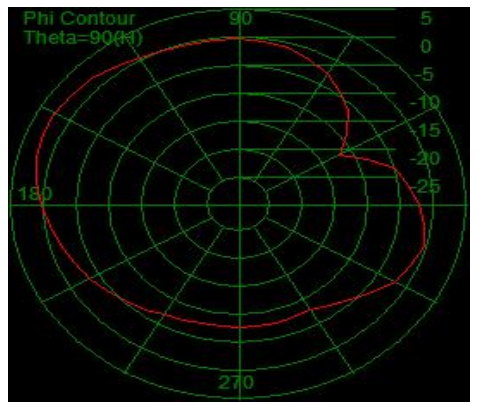
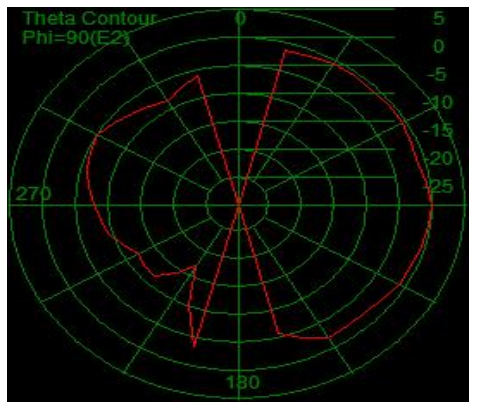
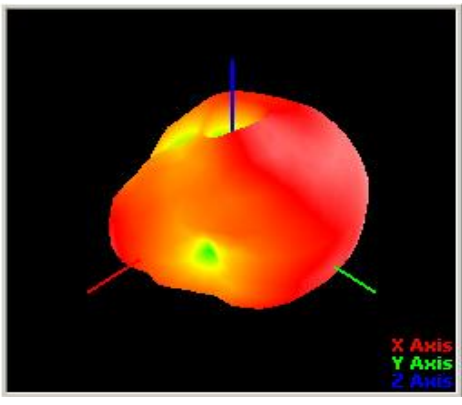
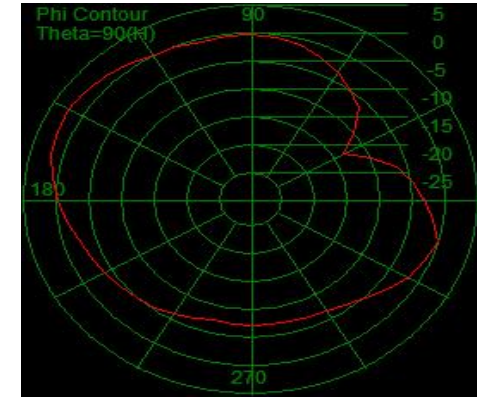
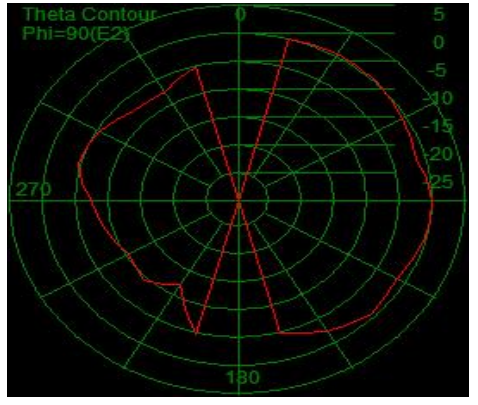
### 1. SWR:



### 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):3.11dBi</p>	<p>Efficiency:61.9%</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):2.94dBi</p>	<p>Efficiency:57.4%</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):2.91dBi</p>	<p>Efficiency:56.8%</p>