



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


Main technical specifications	
Frequency Range(MHZ)	2400-2483
Gain (dBi)	3.0
Impedance(Ω)	50\pm10
ReTurnLoss(dB)	\leq-10
VSWR	\leq1.92
Admitted Power	1W
Polarization	Linear Vertical
Connector Type	IPEX
Physical Properties	
Antenna Base	Copper
Operating Temp	-20$^{\circ}$C-+60$^{\circ}$C
Storage Temp	-20$^{\circ}$C-+70$^{\circ}$C

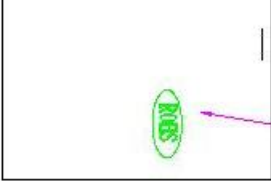
List of raw materials:

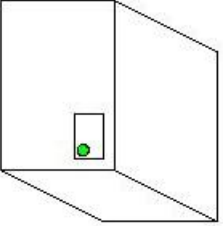
Serial number	Name	Texture	Quantity	Unit	Remark
1	Copper pipe	Copper(H65)	1	PCS	
2	Wire rod	1.13 Gray	1	PCS	

Product drawing

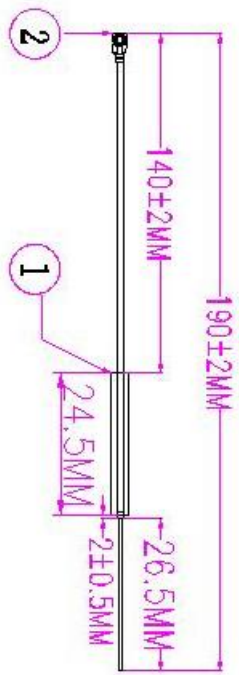
Product drawings








Specification:
 Frequency Rang:2400-2500MHZ
 Return Loss:-10DB or Less
 VSWR*1.92 Max
 Gain:2.5dbi

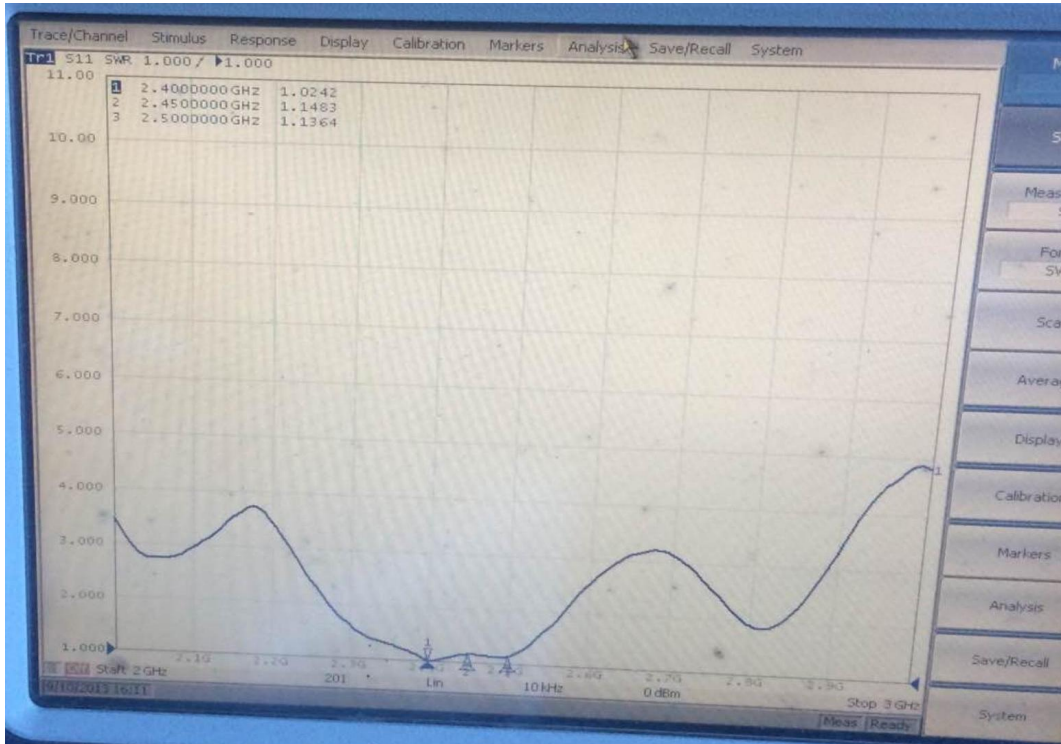


NO	DESCRIPTION	Q'TY	REMARKS	
1	Copper pipe H65	1		
2	Cable 1.13 Grey	1		
3				
4				
5				
6				

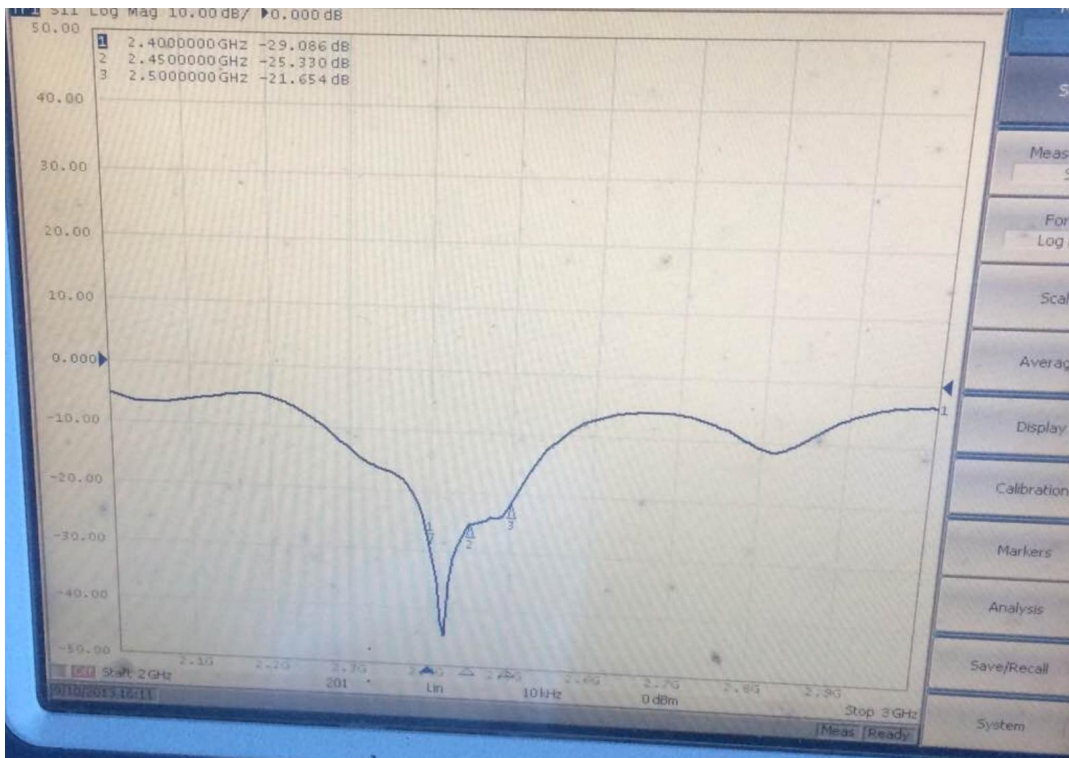
TITLE:	2.4G copper tube antenna L=190MM	ShenZhen XinErSheng Technology Co.,Ltd
P/N		
CUSTOMER:		
DRAW NO:	SEANT12G13299	
DIMENSIONS TOLERANCES UNLESS OTHERWISE NOTED		
TOLERANCE		
XXX ±0.05	XX ±1.0	
XX ±0.1		
X ±0.2		
X ±0.5		
SHEET: 1/1	SCALE: 1/1	APPROVED
UNIT: MM	REV. A	CHECKED
		DRAWED

Network analyzer test report:

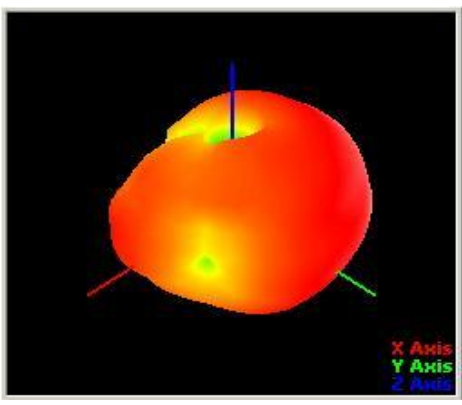
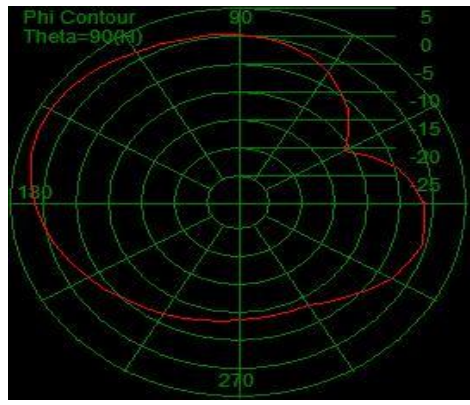
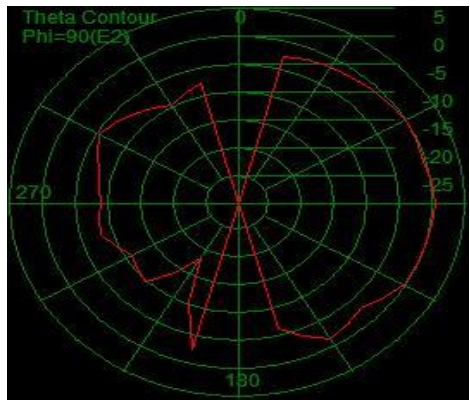
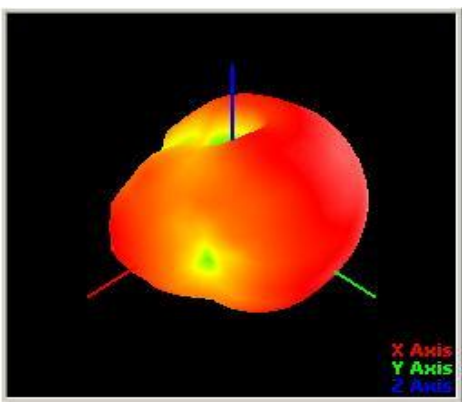
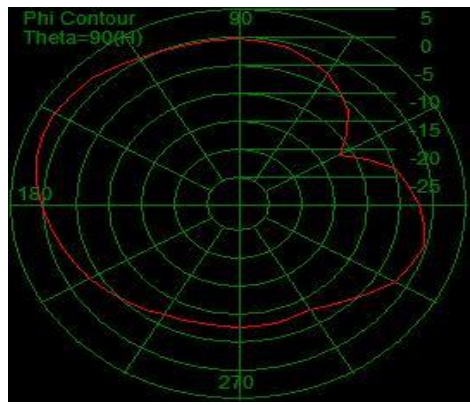
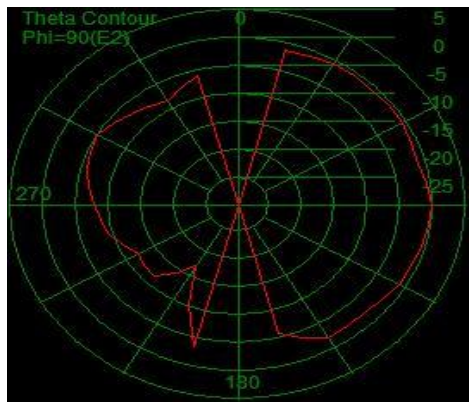
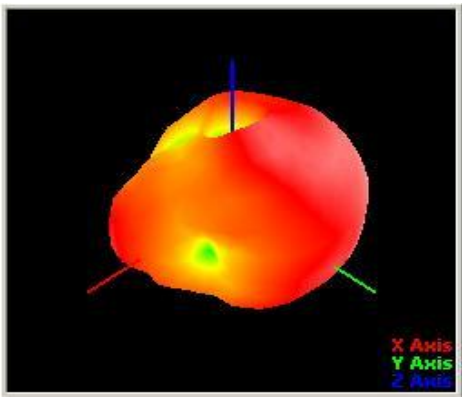
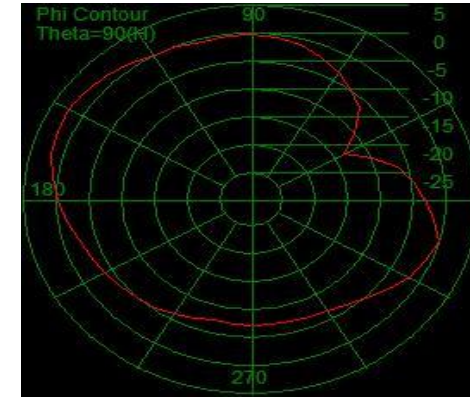
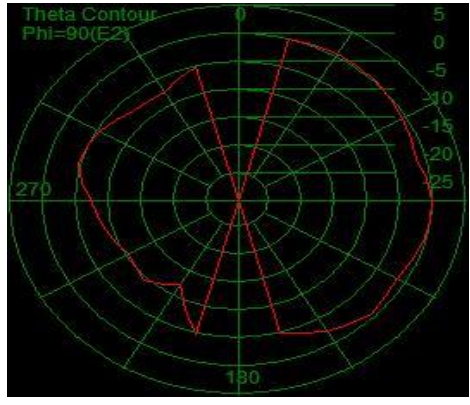
1. SWR:



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):3.0dBi</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>