



ShenZhen XinErSheng Technology Co.,Ltd

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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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	Copper pipe	Copper(H65)	1	PCS	
2	Wire rod	1.13 Gray	1	PCS	

Product drawing

Product drawing

Technical drawing of a gray tube antenna. The drawing shows a side view of the antenna with the following dimensions: total length 170MM, top flange 1MM, top flange 4.5MM, bottom flange 24.5MM, bottom flange 26.5MM, and bottom flange 1MM. The antenna is labeled ROHS.

ROHS

Speciflcation:

Frequency Rang:2400-2500MHZ

Return Loss:-10DB or less

VSWR*1.92 Max

Gain:2.0 dbi

6			
5			
4			
3			
2	Cable	1.13 Grey	1
1	Copper pipe	B65	1

NO	DESCRIPTION	QTY	REMARK
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TITLE:	2.4G copper tube antenna 1.13 gray wire L=140MM
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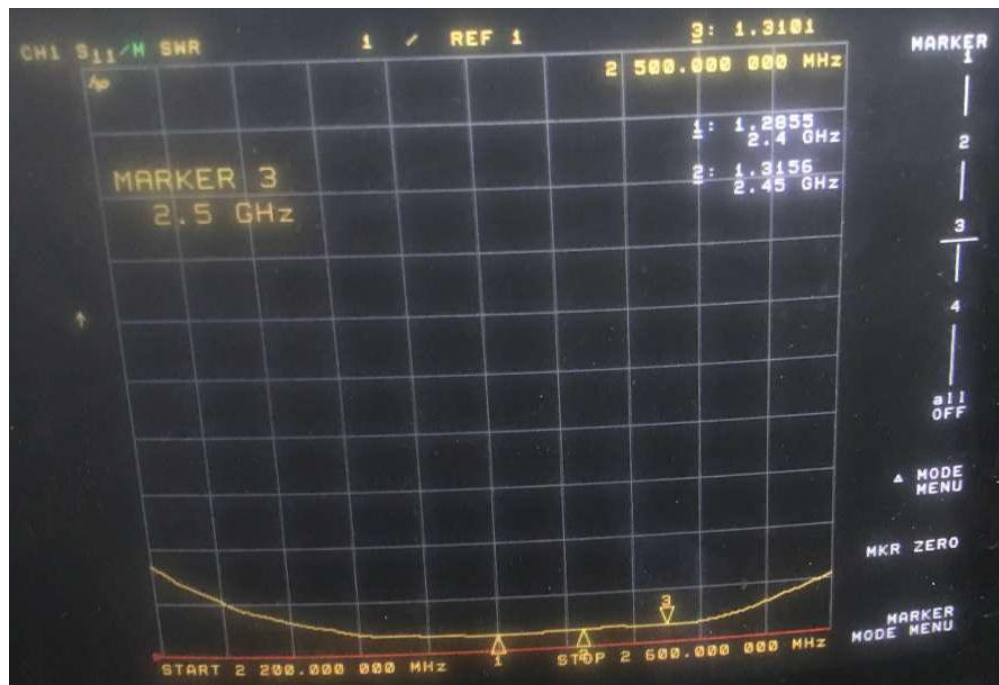
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P/N	
CUSTOMER:	
DRAW NO:	SHANT11A13359
DIMENSIONS TOLERANCES UNLESS OTHERWISE NOTED	
TOLERANCE	XXX ±0.05 XX ±1.0 XX ±0.1 X ±0.2 X ±0.5

		APPROVED	
SHEET: 1/1	SCALE: 1/1	CHECKED	
UNIT: MM	REV. A	DRAWED	

Network analyzer test report:

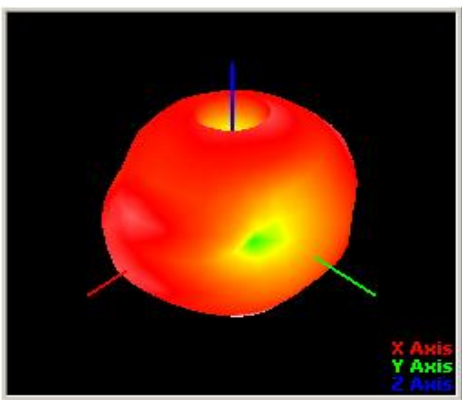
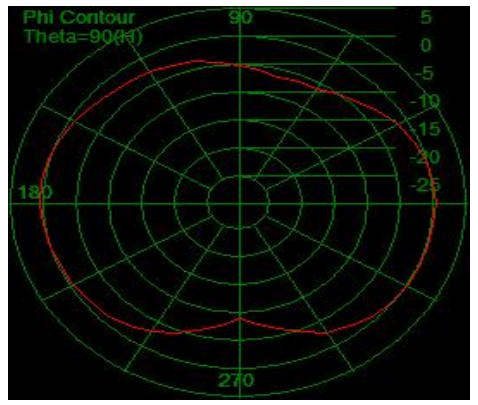
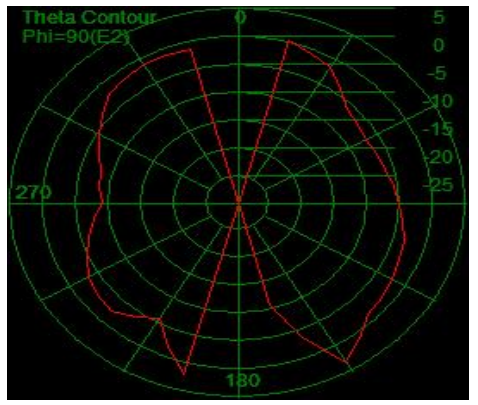
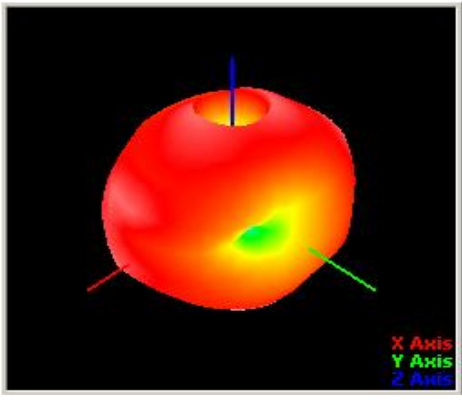
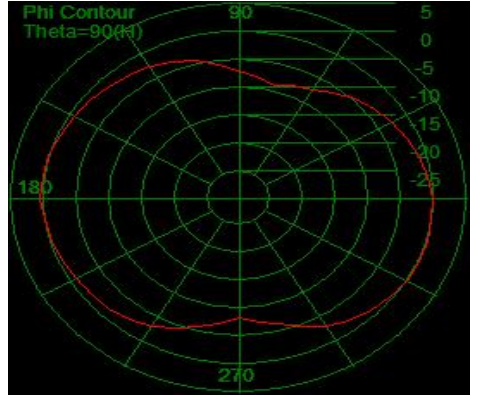
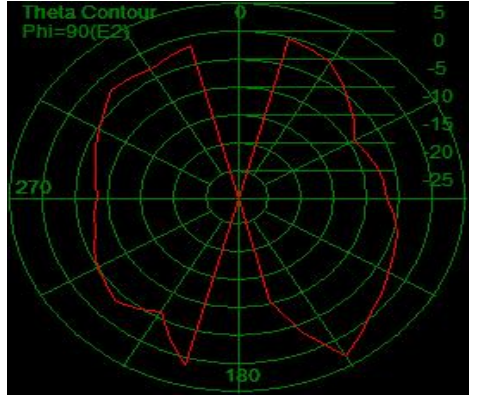
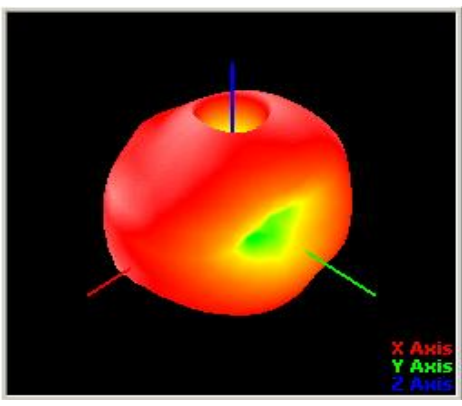
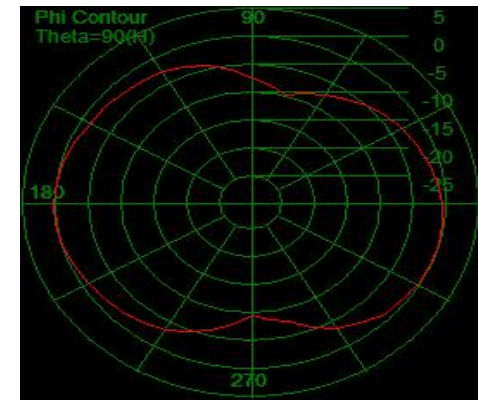
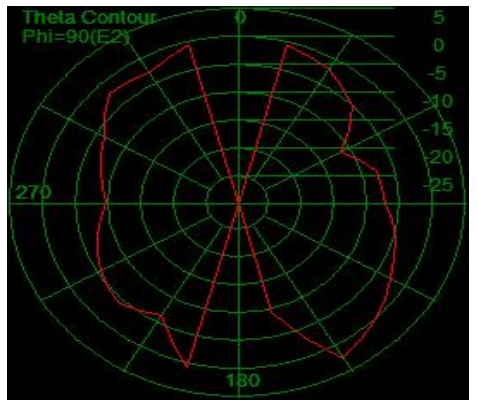
1. SWR:



2. return loss



2D、3DRaditation Pattern

 X Axis Y Axis Z Axis	 Phi Contour Theta=90(φ1)	 Theta Contour Phi=90(E2)
2.4G	Gain(Peak):2.25dBi	Efficiency:64.8%
 X Axis Y Axis Z Axis	 Phi Contour Theta=90(φ1)	 Theta Contour Phi=90(E2)
2.45G	Gain(Peak):2.13dBi	Efficiency:61.2%
 X Axis Y Axis Z Axis	 Phi Contour Theta=90(φ1)	 Theta Contour Phi=90(E2)
2.5G	Gain(Peak):2.01dBi	Efficiency:58.3%