



ShenZhen XinErSheng Technology Co.,Ltd

SPECIFICATION FOR APPROVAL

Customer name: BeiNaiTe

Product name: 2.4G copper tube antenna 1.13 gray wire L=140MM

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)	2dBi
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

Specification:

- Frequency Rang: 2400-2500MHZ
- Return Loss:-10DB or Less
- VSWR*1.92 Max
- Gain:2.0 dbi

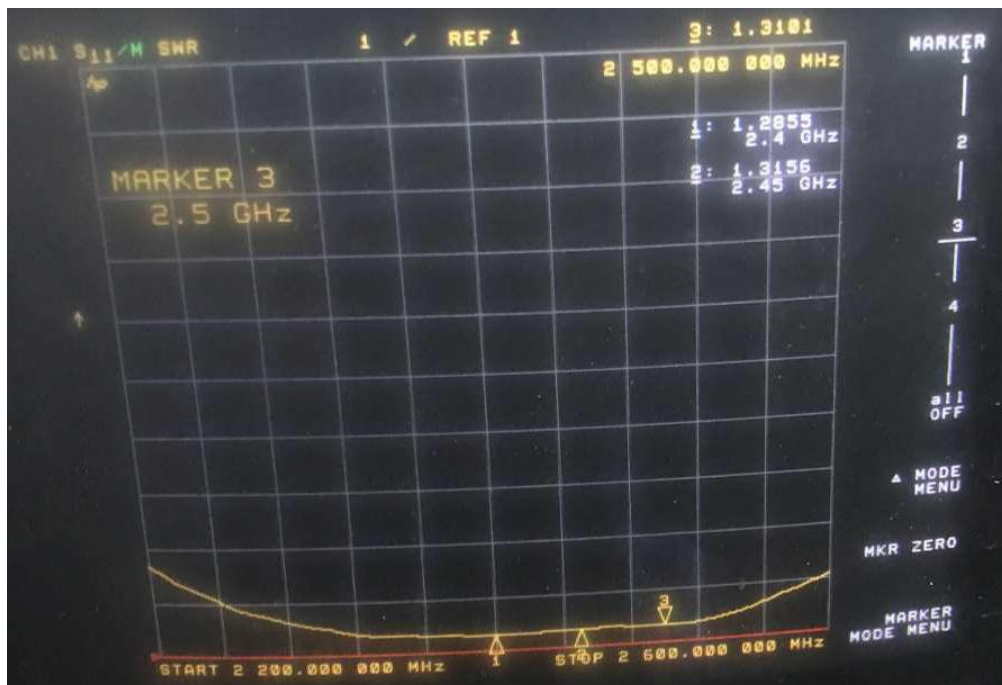
NO	DESCRIPTION	QTY	REMARK
1	Copper pipe B65	1	
2	Cable 1.13 Grey	1	
3			
4			
5			
6			

TITLE:	2.4G copper tube antenna 1.13 gray wire L=140MM
P/N	
CUSTOMER:	
DRAW NO:	SFANT11A13359
DIMENSIONS TOLERANCES UNLESS OTHERWISE NOTED	
TOLERANCE	
XXX ±0.05	XX±1.0
X±0.1	
X±0.2	
X±0.5	

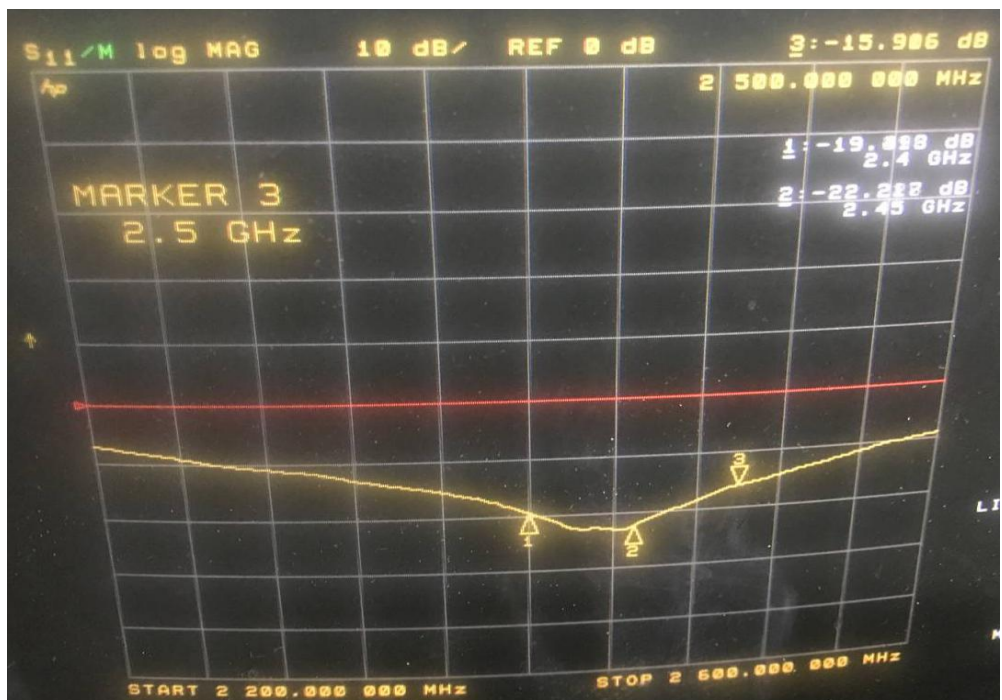
ShenZhen XinErSheng Technology Co.,Ltd			
	SHEET: 1/1	SCALE: 1/1	CHECKED
	UNIT: MM	REV: A	DRAWN
		APPROVED	

Network analyzer test report:

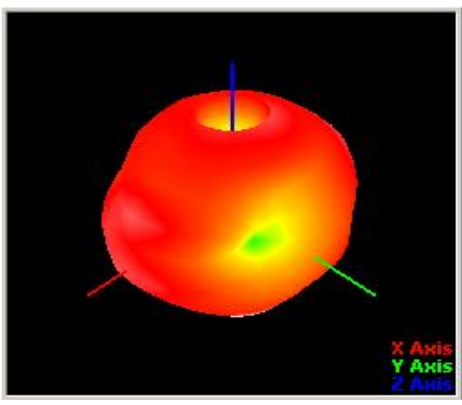
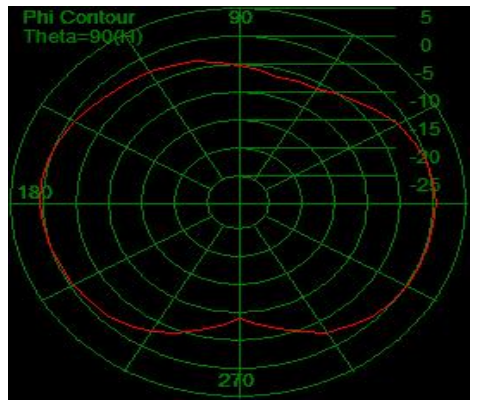
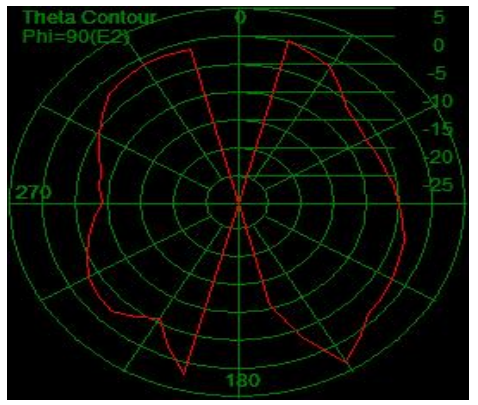
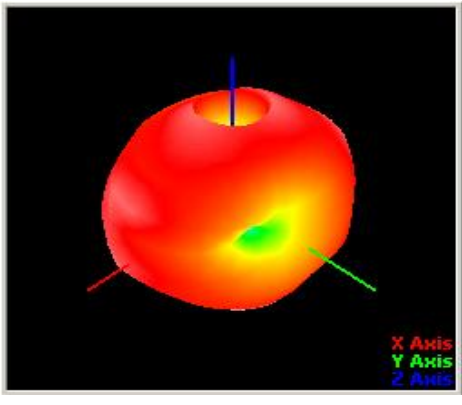
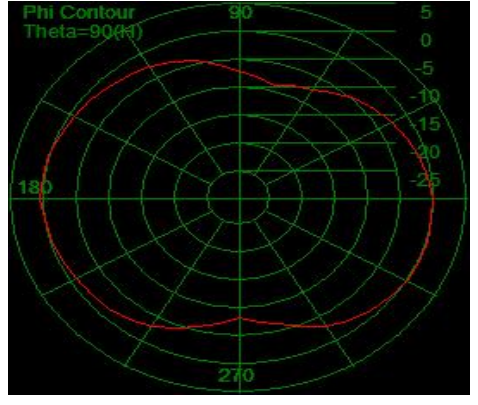
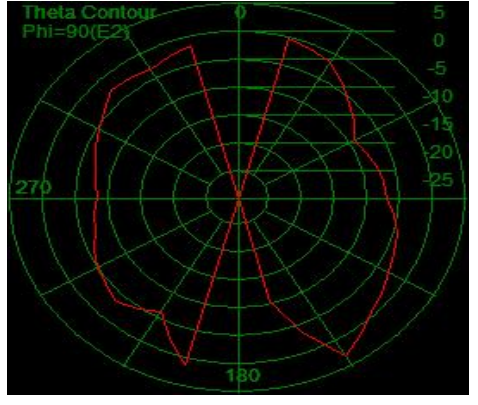
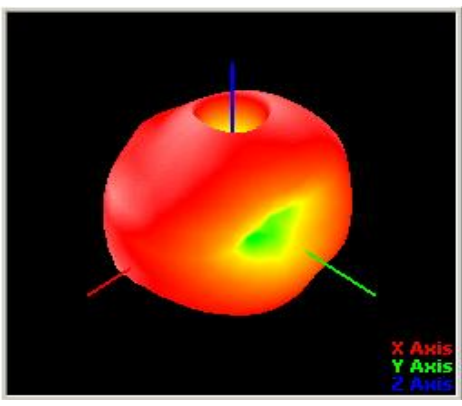
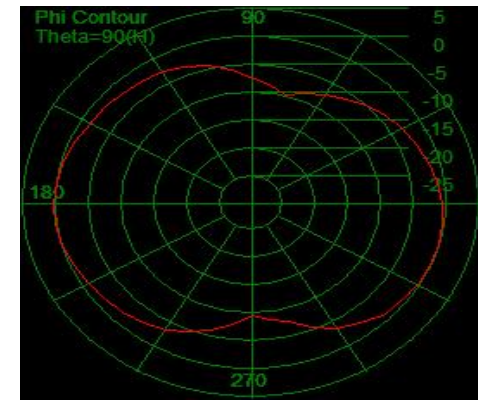
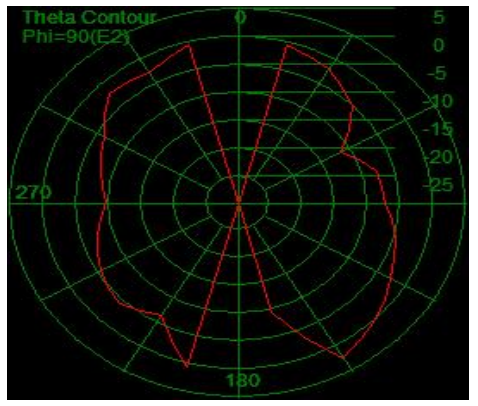
1. SWR:



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 dBi	Efficiency:64.8%
 X Axis Y Axis Z Axis	 Phi Contour Theta=90(φ1)	 Theta Contour Phi=90(E2)
2.45G	Gain(Peak):1.88dBi	Efficiency:61.2%
 X Axis Y Axis Z Axis	 Phi Contour Theta=90(φ1)	 Theta Contour Phi=90(E2)
2.5G	Gain(Peak):1.76dBi	Efficiency:58.3%