



ShenZhen XinErSheng Technology Co.,Ltd

SPECIFICATION FOR APPROVAL

Customer name: BeiNaiTe

Product name: 2.4G Dipole 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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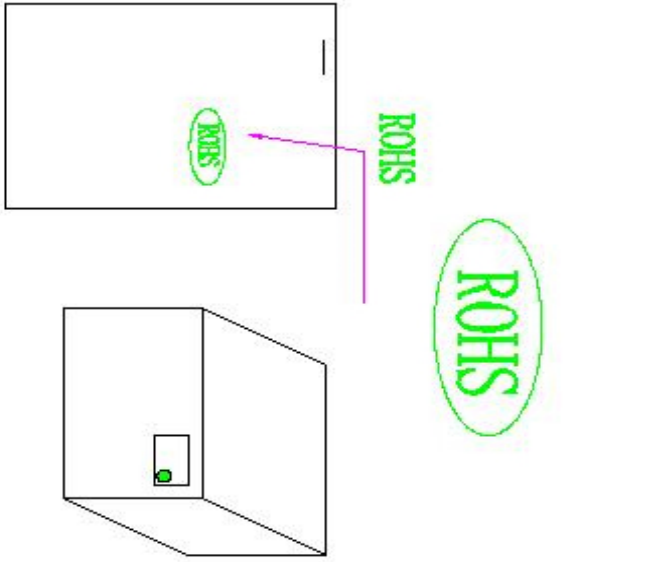
Main technical parameters of the product

Main technical specifications	
Frequency Range(MHZ)	2400-2500
Gain (dBi)	2.25dBi
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:

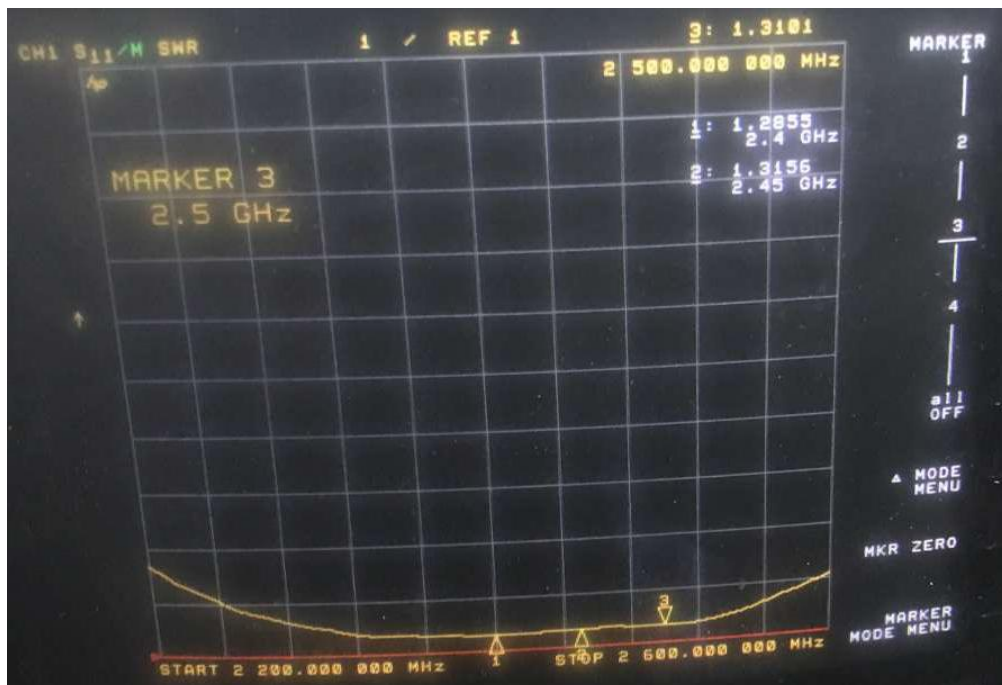
Serial number	Name	Texture	Quantity	Unit	Remark
1	Copper pipe	Copper(H65)	1	PCS	
2	Wire rod	1.13 Gray	1	PCS	

Product drawing

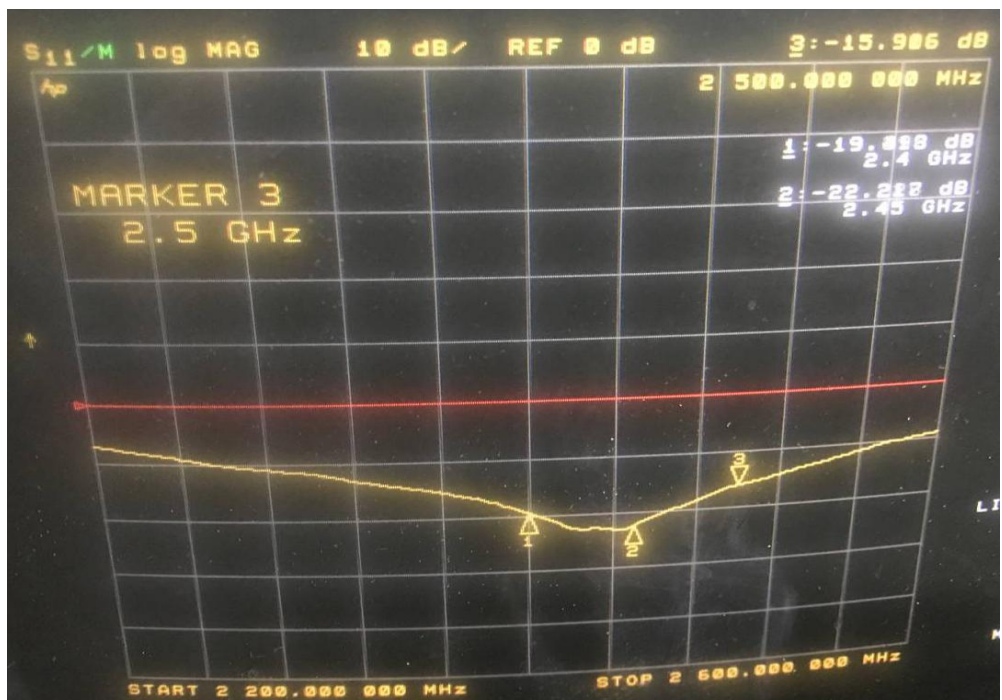
Product drawing			
 ROHS ROHS ROHS Frequency Rang:2400-2500MHZ Return Loss:-10DB or less VSWR*1.92 Max Gain:2.0 dbi			
NO	DESCRIPTION	QTY	REMARK
1	Copper pipe	1	
2	Cable	1	
3			
4			
5			
6			
TITLE: 2.4G copper tube antenna 1.13 gray wire L=140MM		ShenZhen XinErSheng Technology Co.,Ltd	
P/N			
CUSTOMER:			
DRAW NO: SHANT11A13359			
DIMENSIONS TOLERANCES UNLESS OTHERWISE NOTED			
TOLERANCE			
XXX ±0.05			
XX ±0.1			
X ±0.2			
X ±0.5			
SHEET: 1/1			
UNIT: MM			
REV: A			
APPROVED			
CHECKED			
DRAWED			

Network analyzer test report:

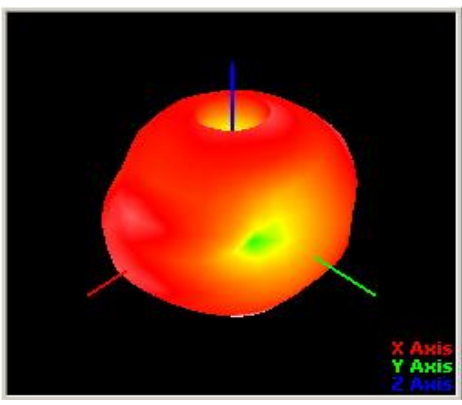
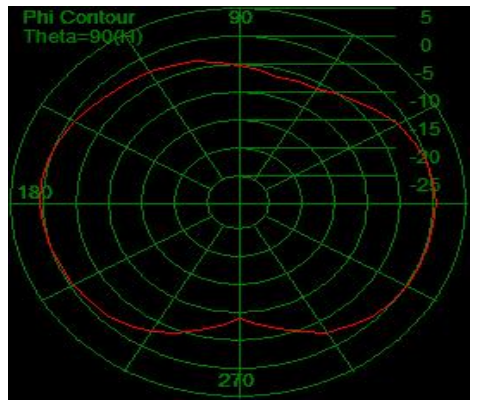
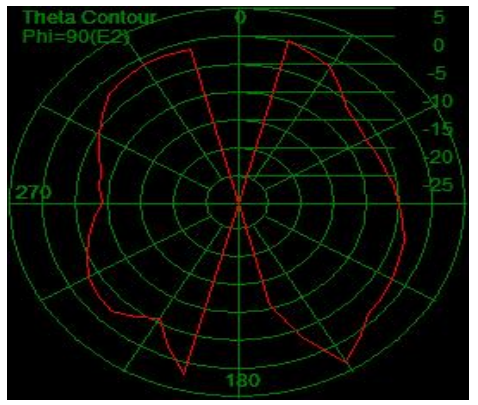
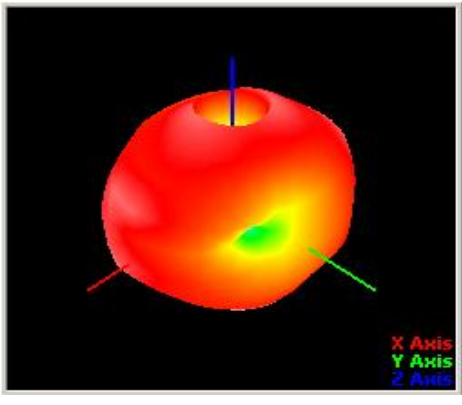
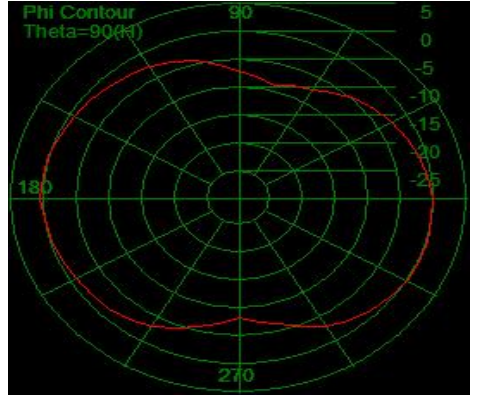
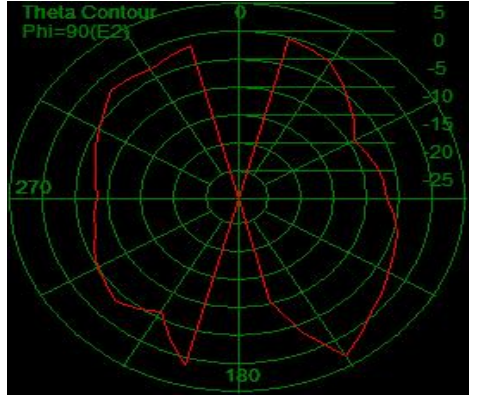
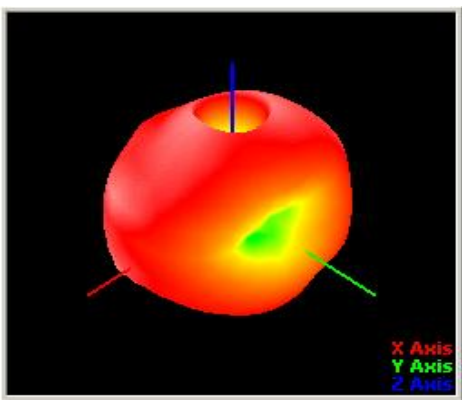
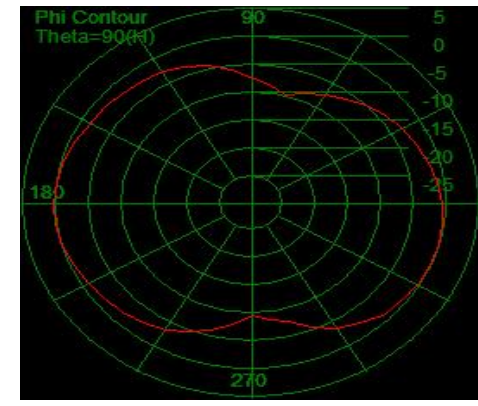
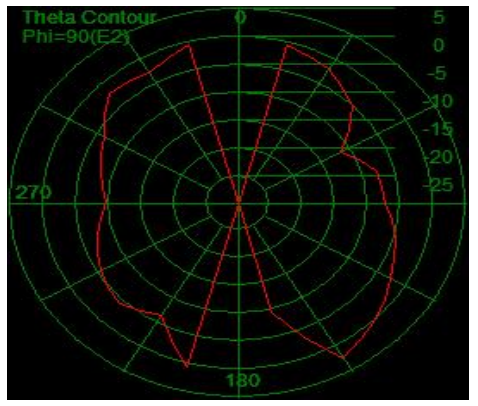
1. SWR:



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%