



ShenZhen XinErSheng Technology Co.,Ltd

SPECIFICATION FOR APPROVAL

Customer name: BeiNaiTe

Product name: 2.4G copper wire antenna

Customer Part
Number:

Manufacturers of
Material: SFANT12E1239

Deliver quantity: 5PCS

Mark	Check	Examine and approve	Datelanded
Biao	Lisen	Amy	2022.10.21

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

Company address : Floor 3, Building D, No.96 Lingxia Road, Fuyong Fenghuang
Fourth Industrial Zone, Baoan District, Shenzhen

Phone number: 0755-33881455

Fax NO.: 0755-33233276

Email: liqinghui@sufeitech.com

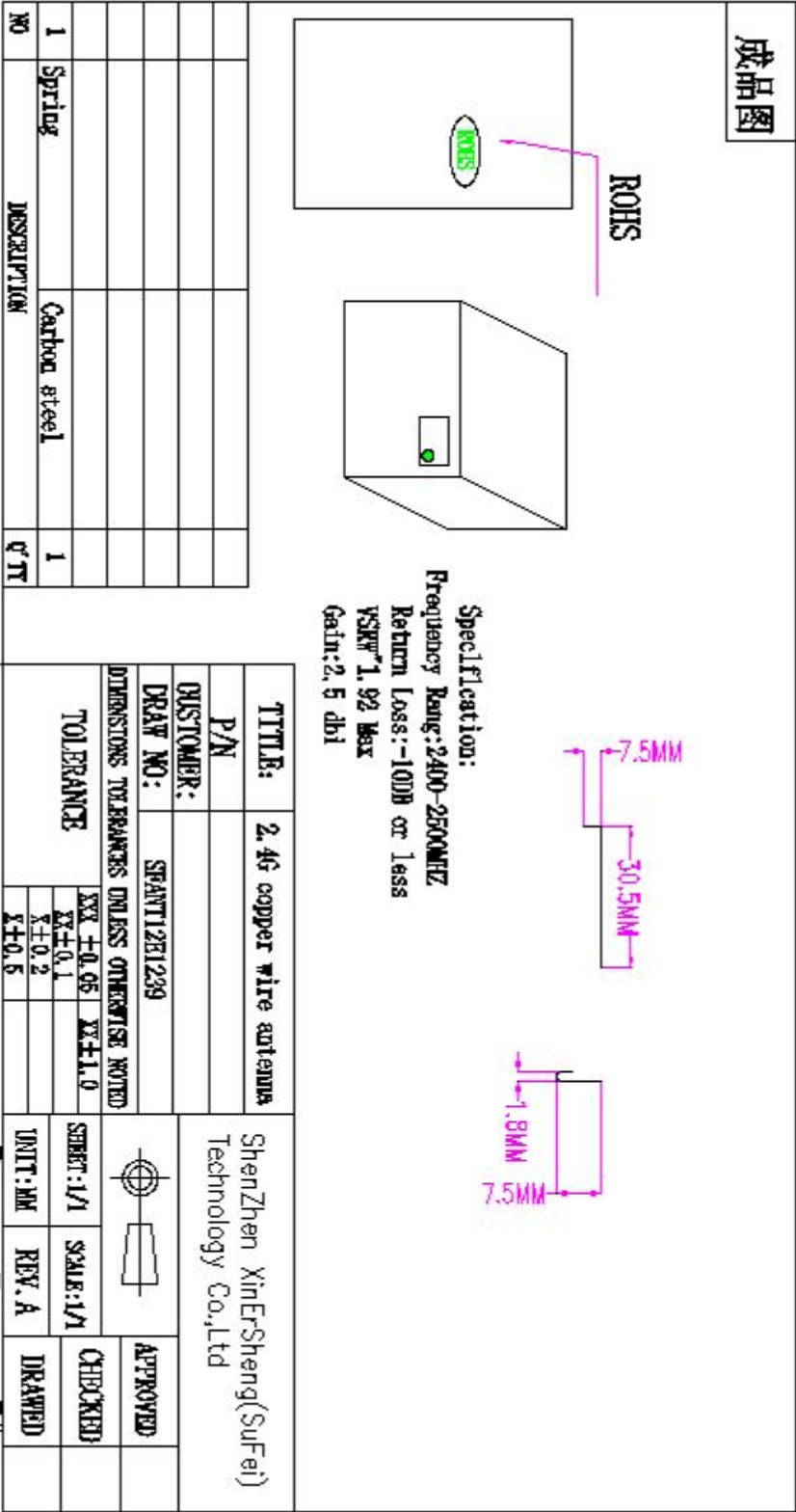
Main technical parameters of the product

Main technical specifications	
Frequency Range(MHZ)	2400-2500
Gain (dBi)	2.5 ± 0.5 dBi
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:

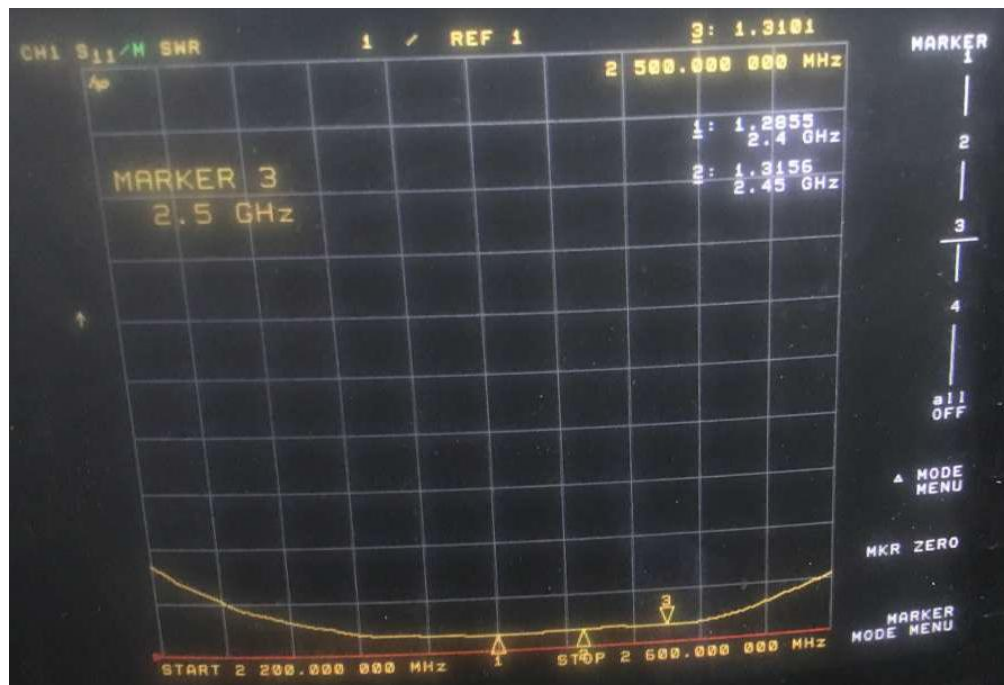
Serial number	Name	Texture	Quantity	Unit	Remark
1	Copper wire	TPE	1	PCS	

Product drawing

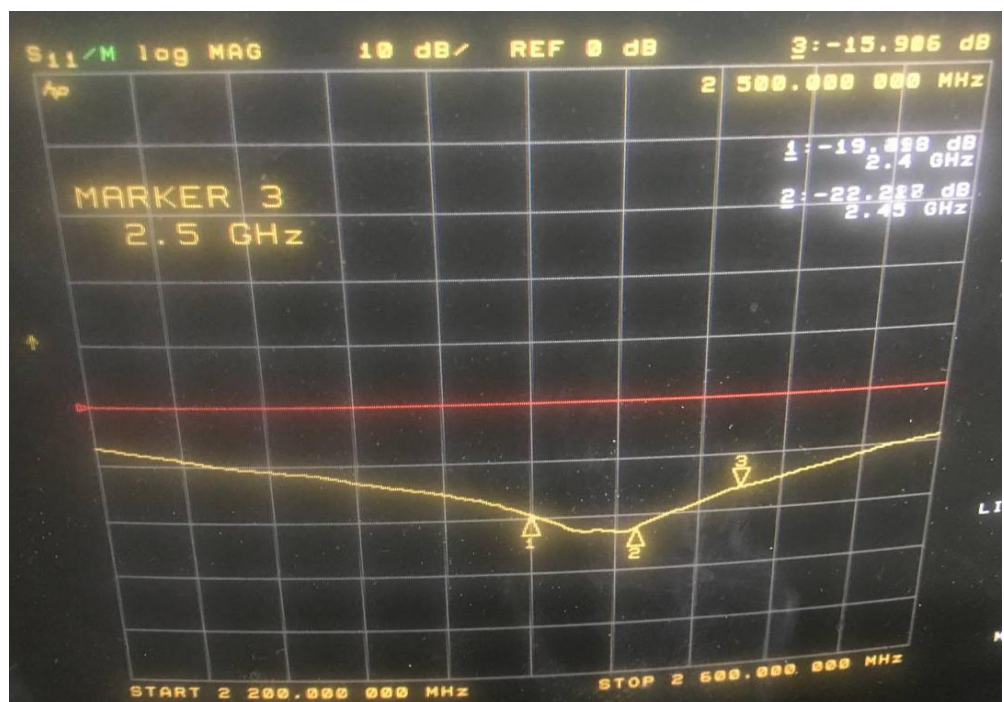


Network analyzer test report:

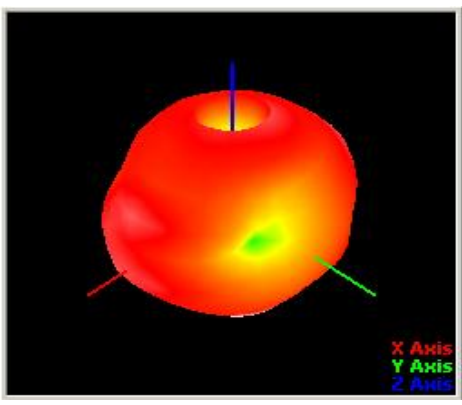
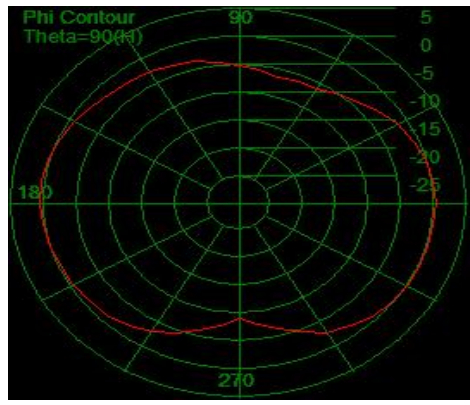
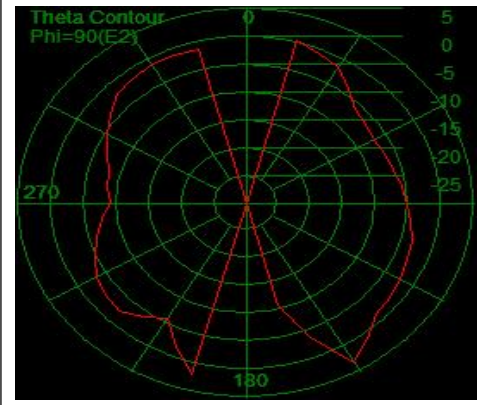
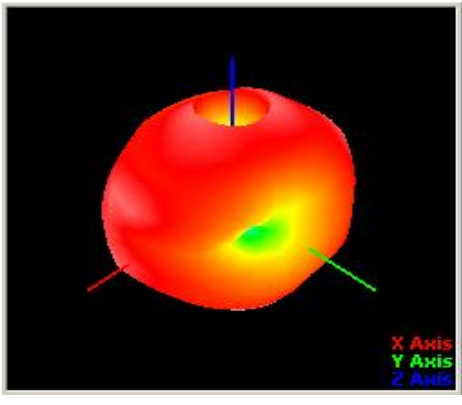
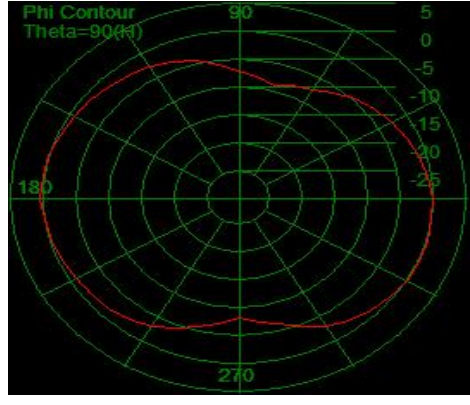
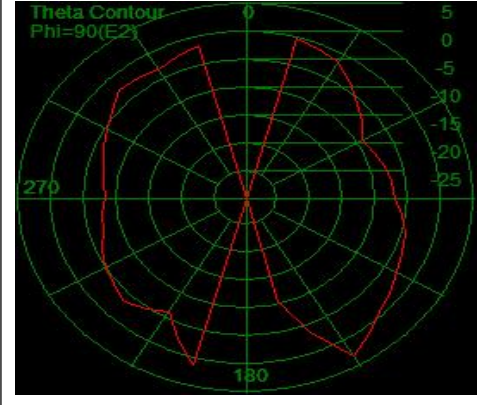
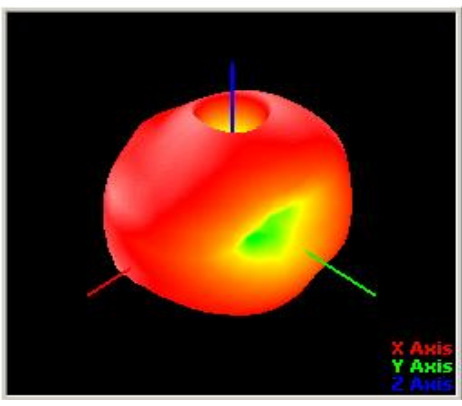
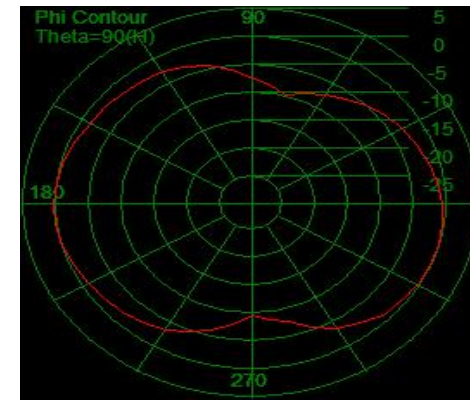
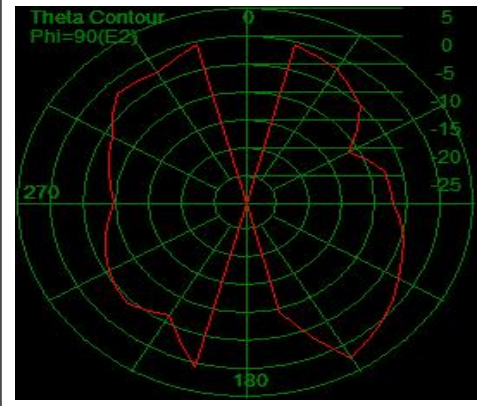
1. SWR:



2. return loss



2D、3DRaditation Pattern

 3D radiation pattern at 2.4G showing a main lobe and side lobes. Axes: X Axis (red), Y Axis (green), Z Axis (blue).	 Phi Contour Theta=90(φ1) plot showing the radiation pattern in the horizontal plane. The plot shows a main lobe and side lobes.	 Theta Contour Phi=90(E2) plot showing the radiation pattern in the vertical plane. The plot shows a main lobe and side lobes.
2.4G	Gain(Peak):2.5dBi	Efficiency:56.6%
 3D radiation pattern at 2.45G showing a main lobe and side lobes. Axes: X Axis (red), Y Axis (green), Z Axis (blue).	 Phi Contour Theta=90(φ1) plot showing the radiation pattern in the horizontal plane. The plot shows a main lobe and side lobes.	 Theta Contour Phi=90(E2) plot showing the radiation pattern in the vertical plane. The plot shows a main lobe and side lobes.
2.45G	Gain(Peak):2.23dBi	Efficiency:53.9%
 3D radiation pattern at 2.5G showing a main lobe and side lobes. Axes: X Axis (red), Y Axis (green), Z Axis (blue).	 Phi Contour Theta=90(φ1) plot showing the radiation pattern in the horizontal plane. The plot shows a main lobe and side lobes.	 Theta Contour Phi=90(E2) plot showing the radiation pattern in the vertical plane. The plot shows a main lobe and side lobes.
2.5G	Gain(Peak):2.21dBi	Efficiency:54.8%