



ShenZhen XinErSheng Technology Co.,Ltd

SPECIFICATION FOR APPROVAL

CUSTOMER

Product 2.4G Copper Tube Antenna, Gray Line, L=122MM, No Clips

Manufacturers of Material SFANT12G13346

Customer Part Number

D A T E 2024/07/ 23

VERSION A/0

That Customers:

ORGANIZER	CHECK	APPROVAL

ShenZhen XinErSheng Technology Co.,Ltd

ORGANIZER	CHECK	APPROVAL
Biao	LiSen	Amy

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

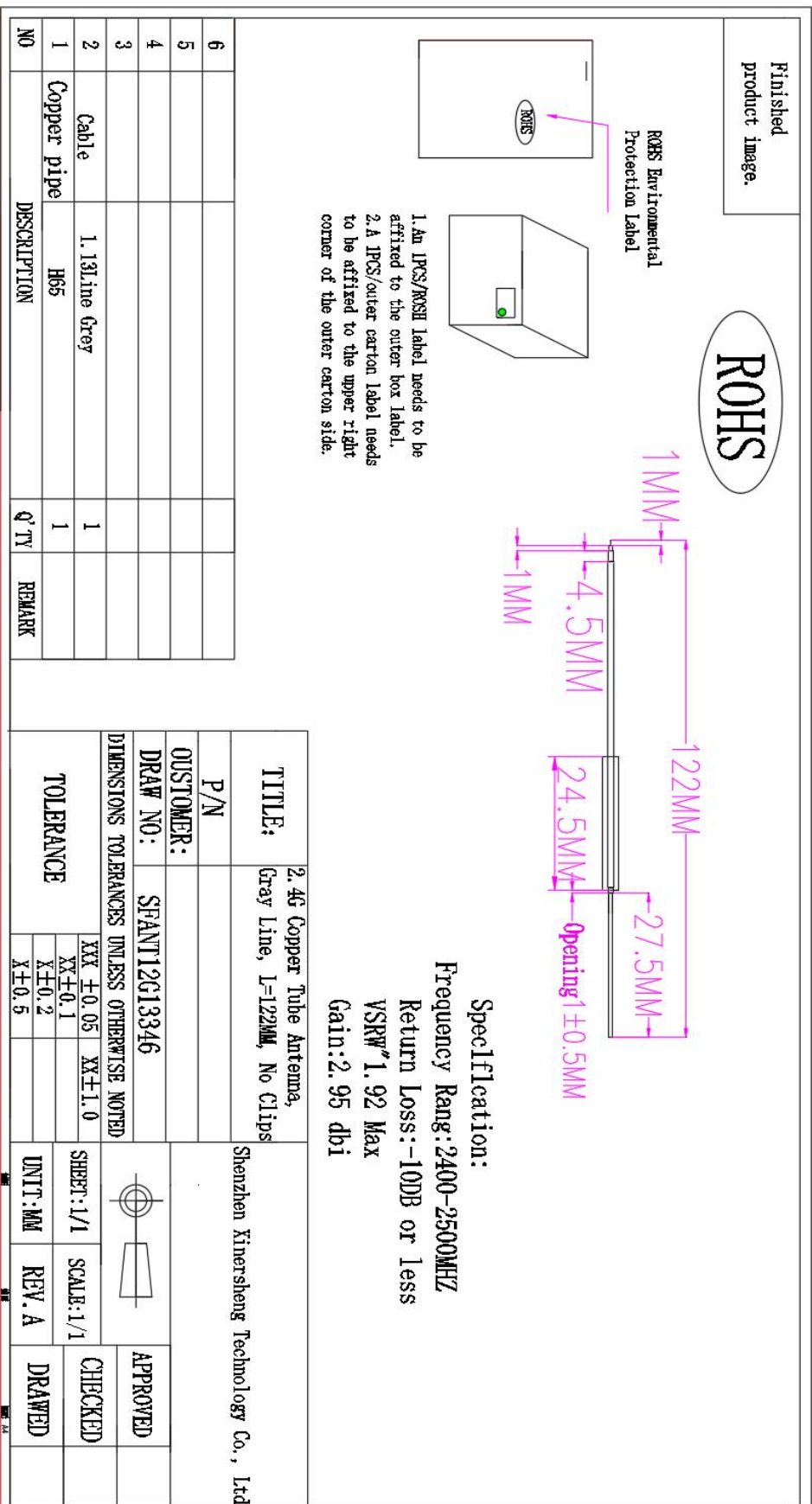
Main technical parameters of the product

Main technical specifications	
Frequency Range(MHZ)	2400-2500
Impedance(Ω)	50 ± 10
Gain(dBi)	2.95
ReTurnLoss(dB)	≤ -10
VSWR	≤ 1.92
Polarization	Linear Vertical
Connector Type	Weld
Physical Properties	
Antenna Base	copper
Operating Temp	$-20^{\circ}\text{C} - +60^{\circ}\text{C}$
Storage Temp	$-20^{\circ}\text{C} - +70^{\circ}\text{C}$

List of raw materials:

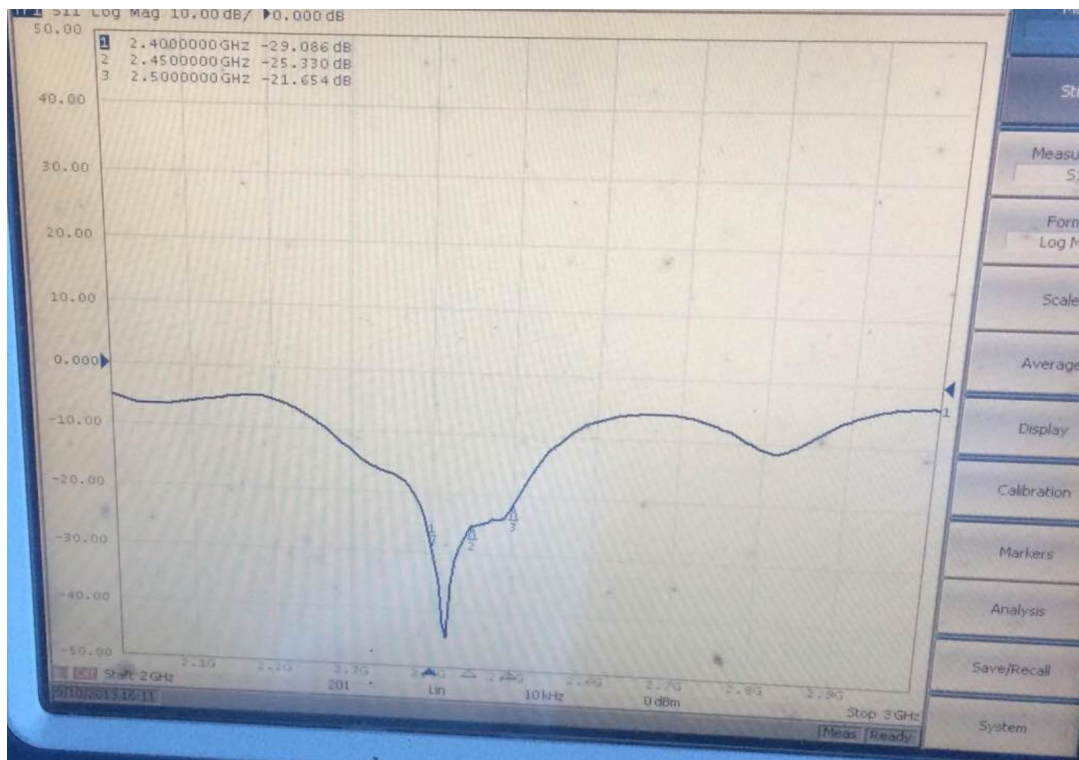
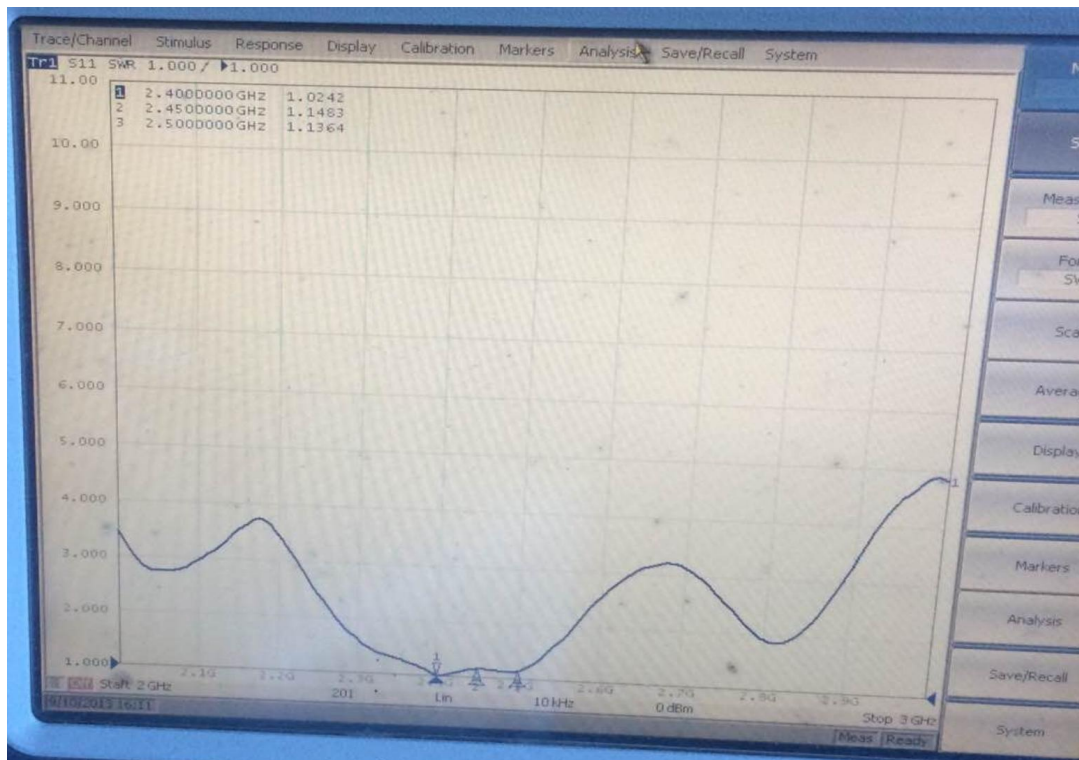
Component number	Component Name	Main material of the raw material	usage	unit	Remarks
1	Copper	Copper	1	PCS	
2	1.13line	Copper wire	1	PCS	

Product drawing

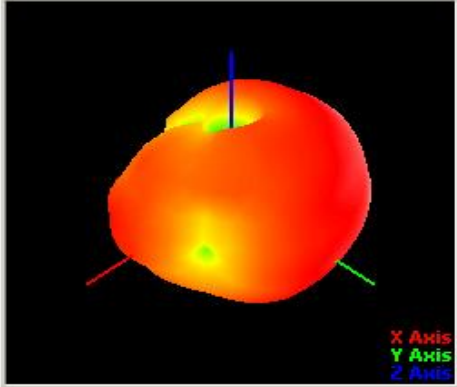
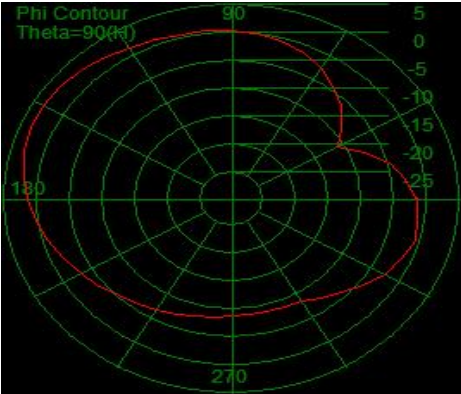
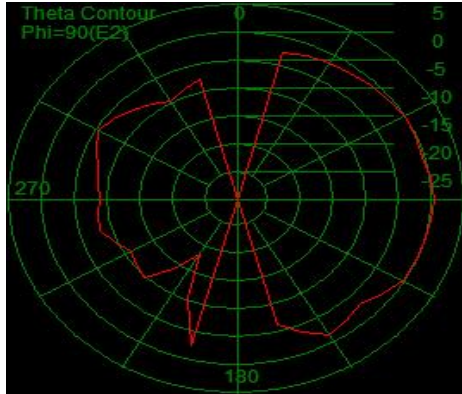
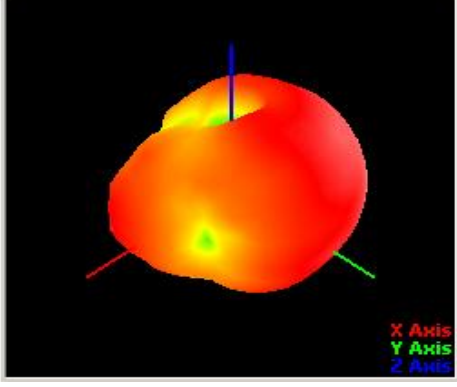
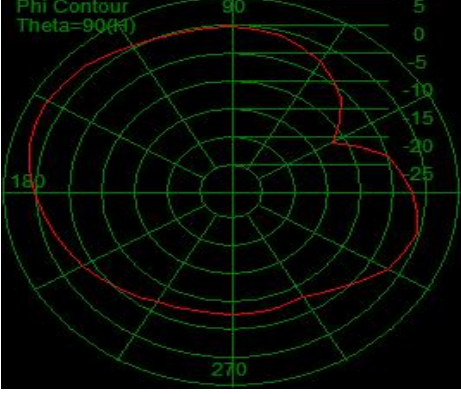
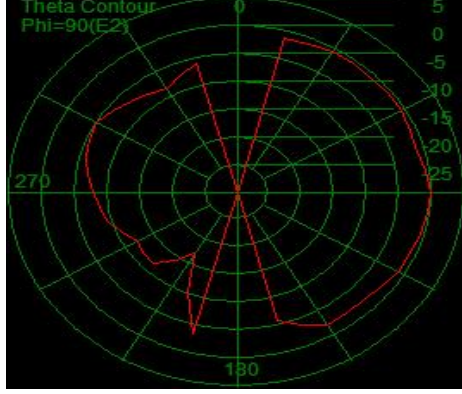
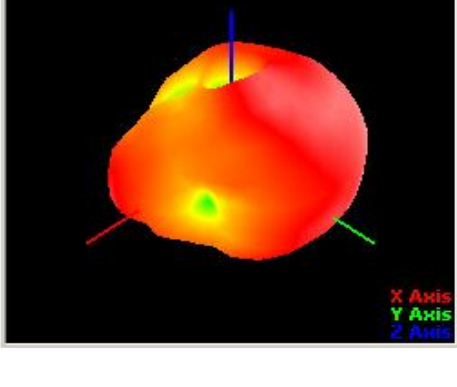
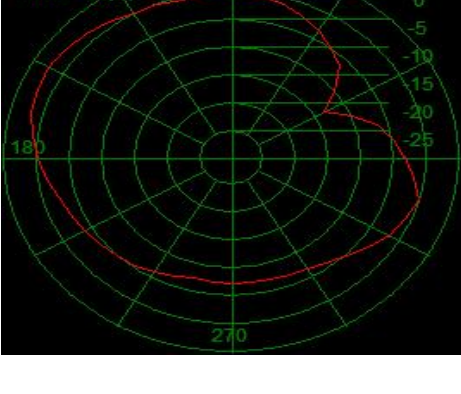
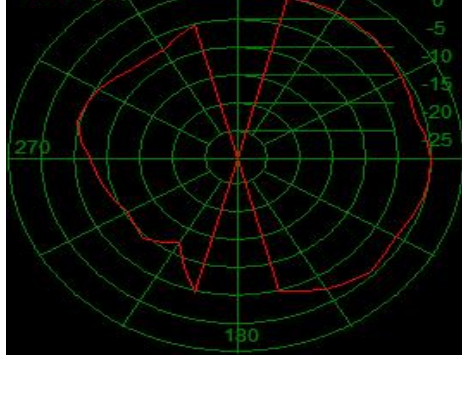


Network analyzer test report:

SWR



2D、3DRaditation Pattern

 X Axis Y Axis Z Axis	 Phi Contour Theta=90(deg)	 Theta Contour Phi=90(deg)
2.4G	Gain(Peak):2.75dBi	Efficiency:61.9%
 X Axis Y Axis Z Axis	 Phi Contour Theta=90(deg)	 Theta Contour Phi=90(deg)
2.45G	Gain(Peak):2.95dBi	Efficiency:67.4%
 X Axis Y Axis Z Axis	 Phi Contour Theta=90(deg)	 Theta Contour Phi=90(deg)
2.5G	Gain(Peak):2.87dBi	Efficiency:56.8%