



ShenZhen XinErSheng Technology Co.,Ltd

SPECIFICATION FOR APPROVAL

Customer name: BeiNaiTe

Product name: 2.4G copper tube antenna 1.13 gray wire L=190MM

Customer Part
Number: W1-1301--3226-002-04

Manufacturers of
Material: SFANT12G13299

Deliver quantity: 5PCS

Mark	Check	Examine and approve	Datelanded
Biao	Lisen	Amy	2022.12.27

That Customers:

Acknowledge	Check	Examine and approve	Datelanded

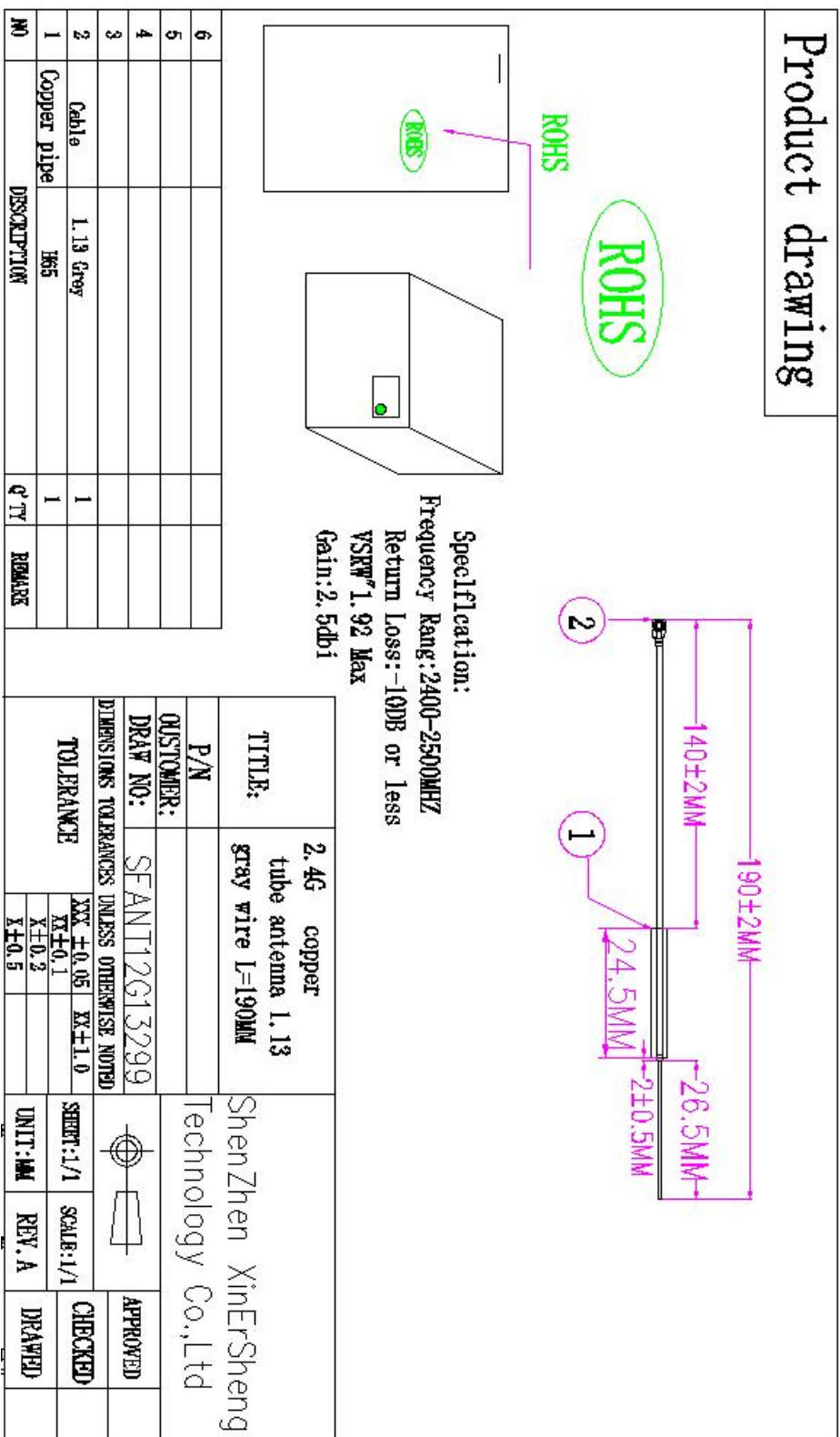
Main technical parameters of the product

Main technical specifications	
Frequency Range(MHZ)	2400-2483
Gain (dBi)	2.5±0.5dBi
Impedance(Ω)	50±10
ReTurnLoss(dB)	≤-10
VSWR	≤1.92
Admitted Power	1W
Polarization	Linear Vertical
Connector Type	IPEX
Physical Properties	
Antenna Base	Copper
Operating Temp	-20℃-+60℃
Storage Temp	-20℃-+70℃

List of raw materials:

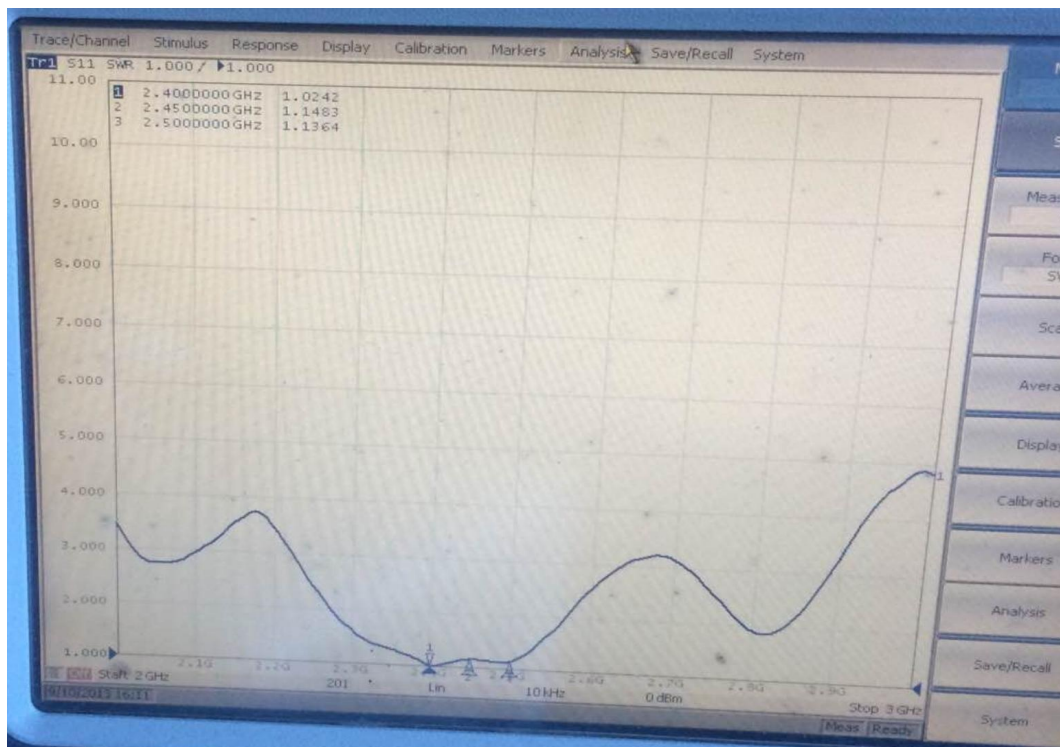
Serial number	Name	Texture	Quantity	Unit	Remark
1	Copper pipe	Copper(H65)	1	PCS	
2	Wire rod	1.13 Gray	1	PCS	

Product drawing

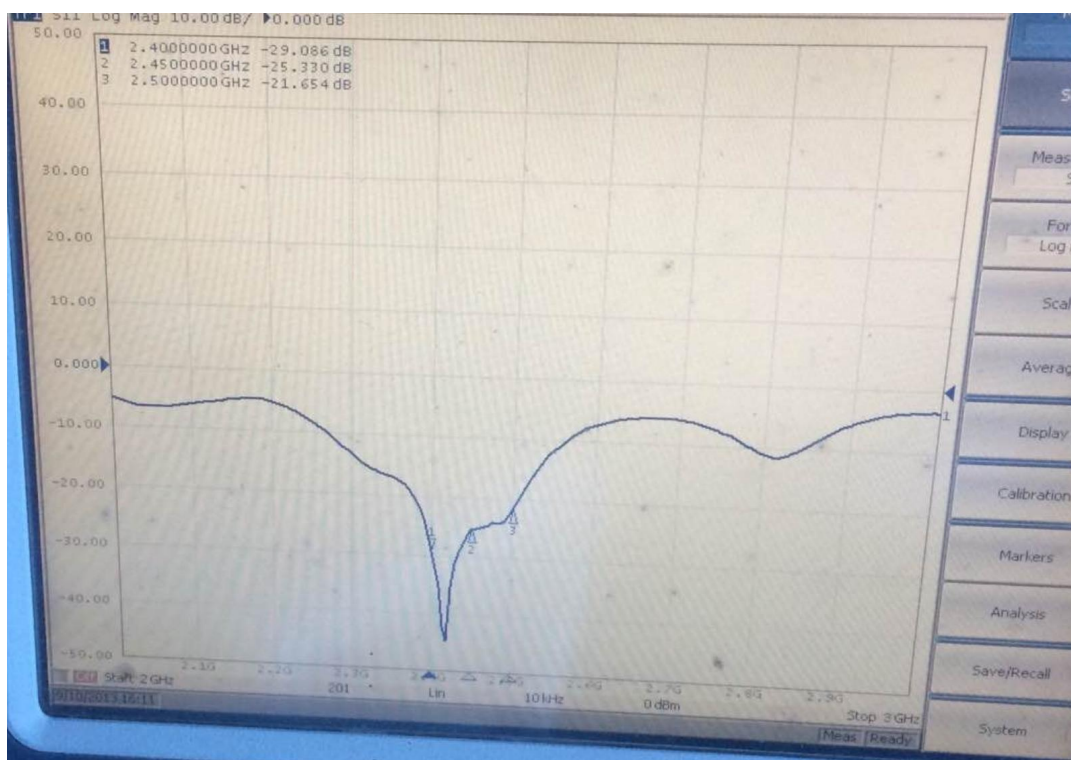


Network analyzer test report:

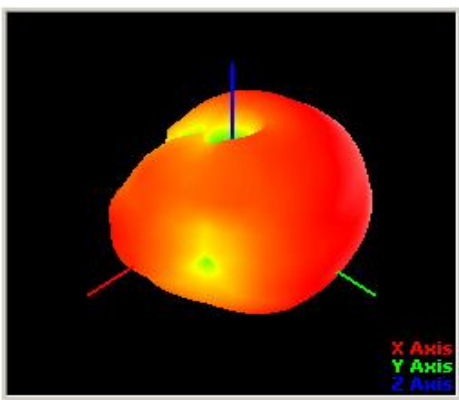
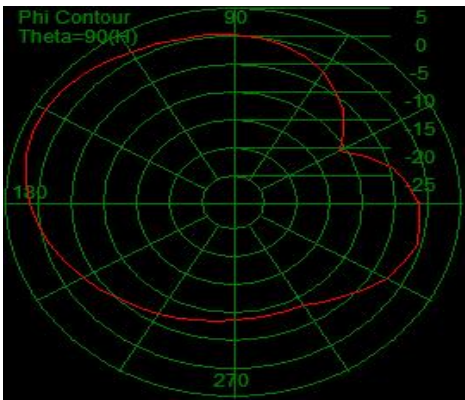
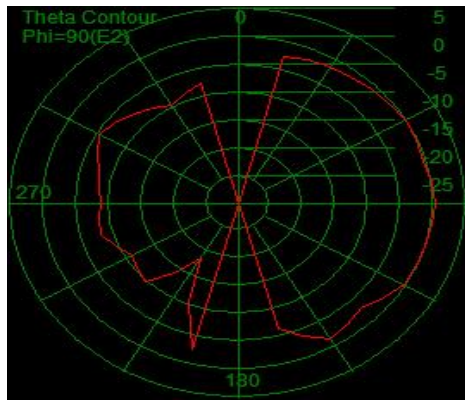
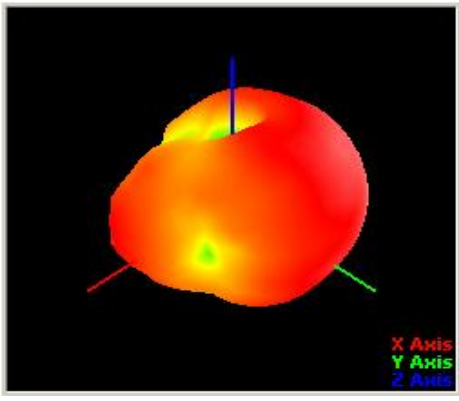
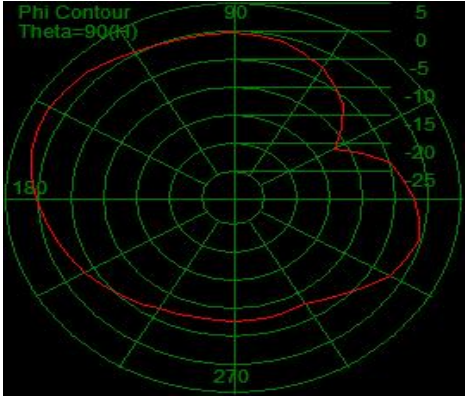
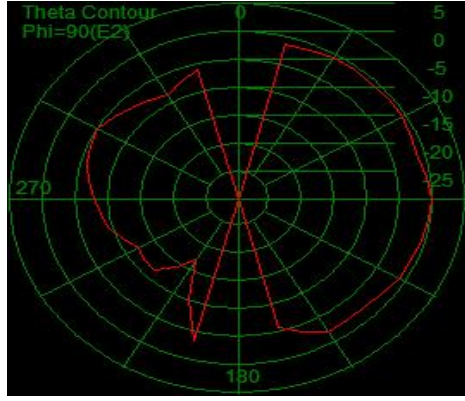
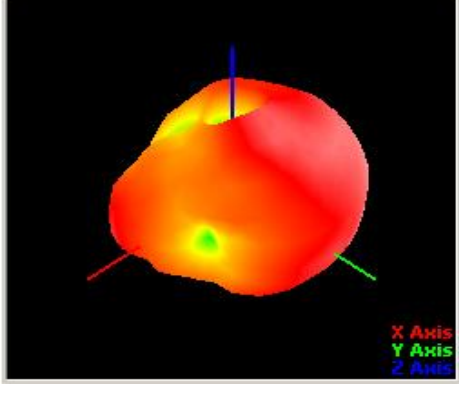
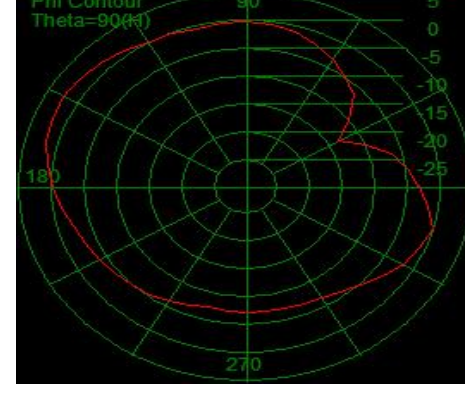
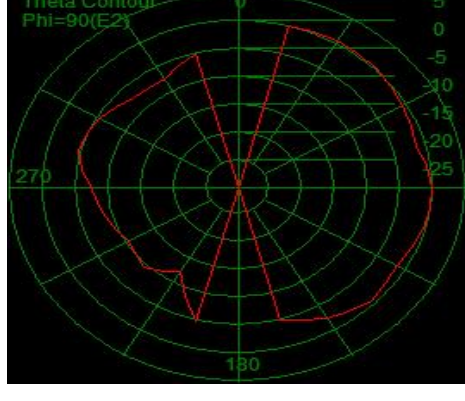
1. SWR:



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):3.11dBi	Efficiency:61.9%
 X Axis Y Axis Z Axis	 Phi Contour Theta=90(φ1)	 Theta Contour Phi=90(E2)
2.45G	Gain(Peak):2.94dBi	Efficiency:57.4%
 X Axis Y Axis Z Axis	 Phi Contour Theta=90(φ1)	 Theta Contour Phi=90(E2)
2.5G	Gain(Peak):2.91dBi	Efficiency:56.8%