



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

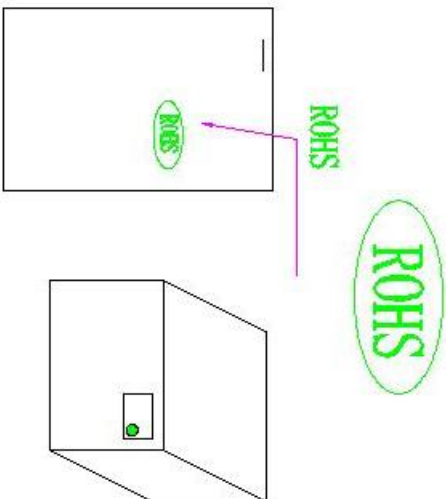
Main technical parameters of the product

Main technical specifications	
Frequency Range(MHZ)	2400-2483
Gain (dBi)	3.0
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	$-20^{\circ}\text{C} - +60^{\circ}\text{C}$
Storage Temp	$-20^{\circ}\text{C} - +70^{\circ}\text{C}$

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

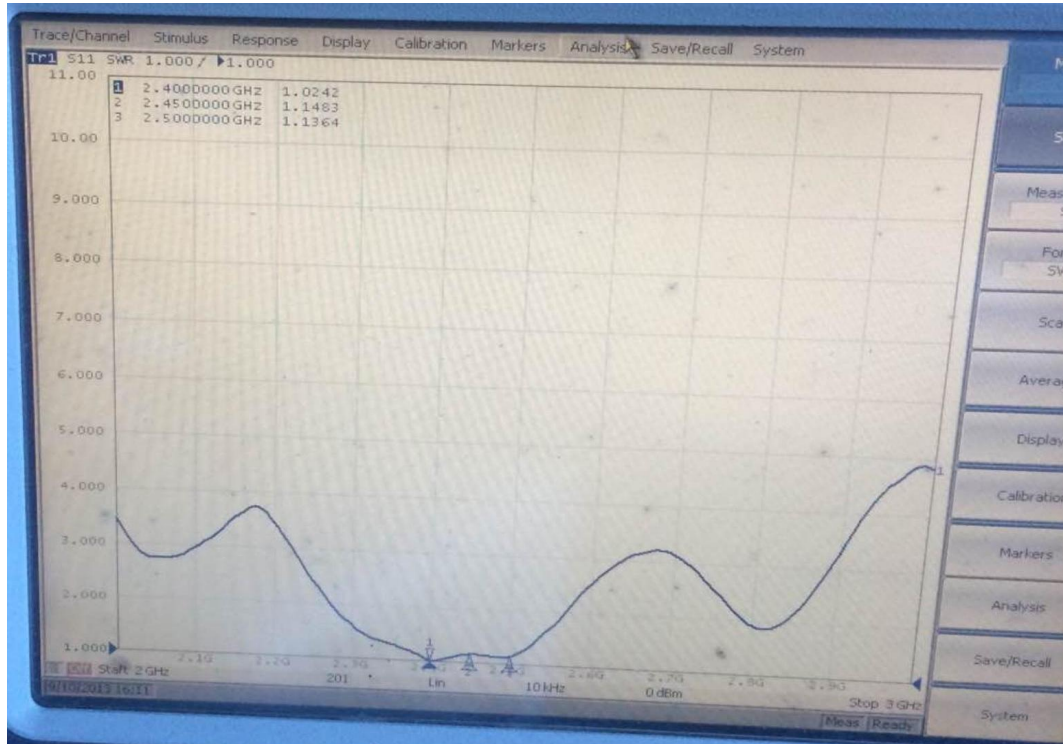


Specification:
Frequency Range: 2400-2500MHz
Return Loss: -10dB or less
VSWR: 1.92 Max
Gain: 2.5dbi

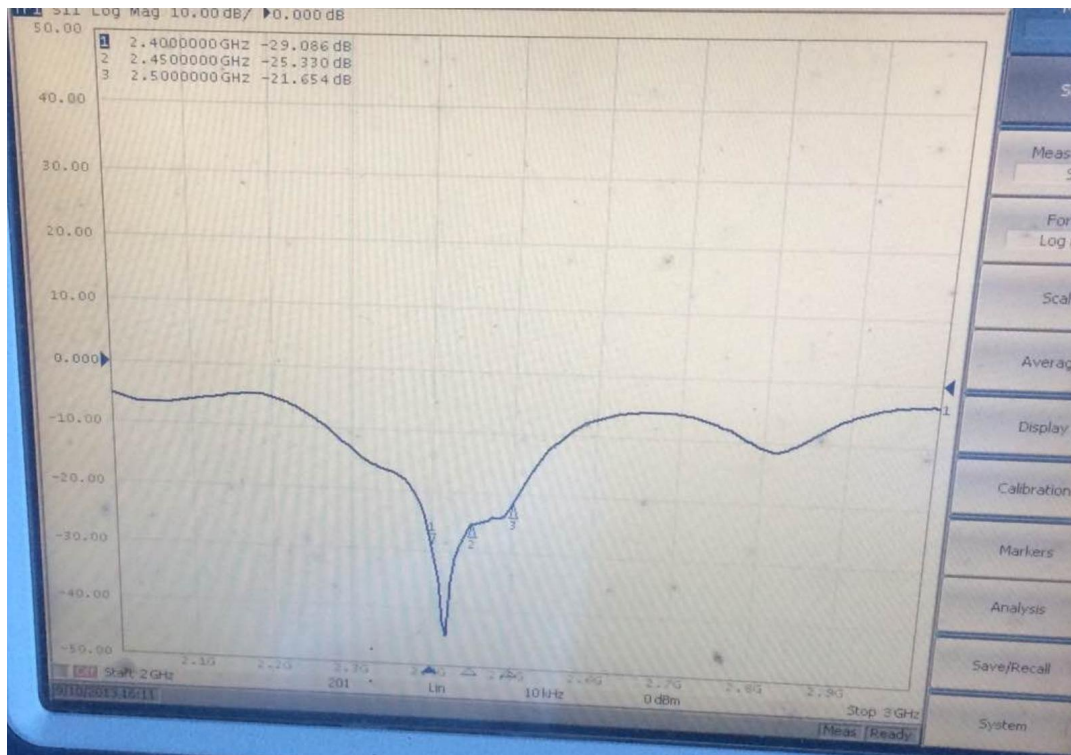
TITLE:		2.4G copper tube antenna L.13 gray wire L=190MM		ShenZhen XinErSheng Technology Co.,Ltd			
P/N							
CUSTOMER:							
DRAW NO:		SEANT12G13299				APPROVED	
DIMENSIONS TOLERANCES UNLESS OTHERWISE NOTED							
TOLERANCE							
		XXX ±0.05	XX ±1.0	SHEET:1/1		SCALE:1/1	CHECKED
		XX ±0.1		UNIT:MM		REV. A	
		XX ±0.5				DRAWED	

Network analyzer test report:

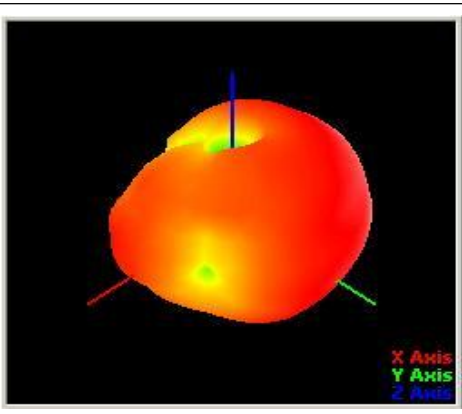
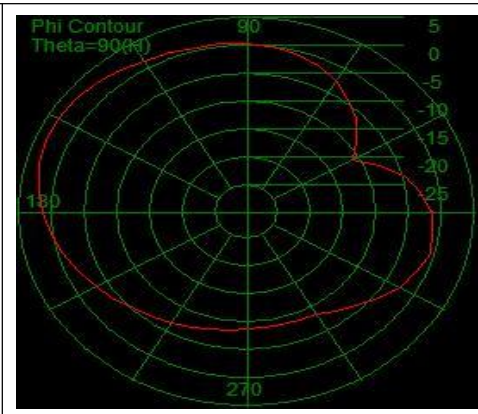
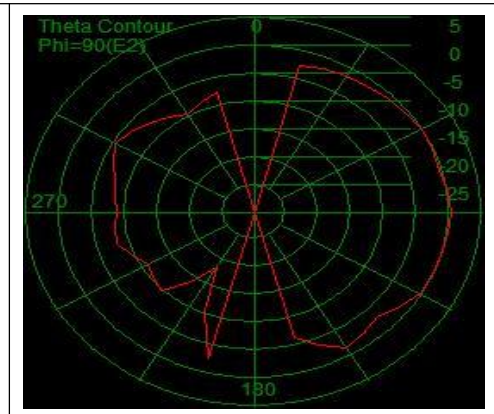
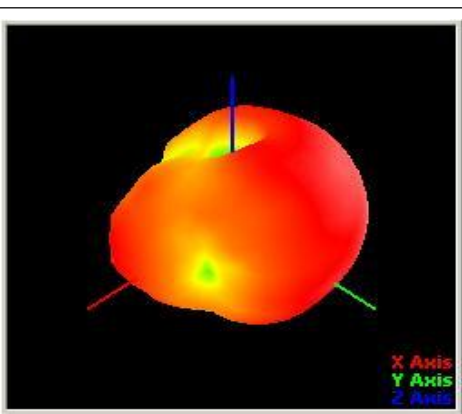
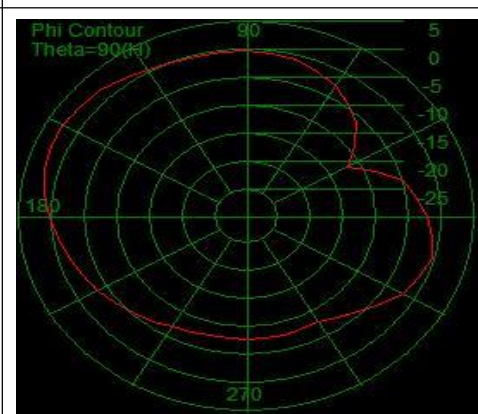
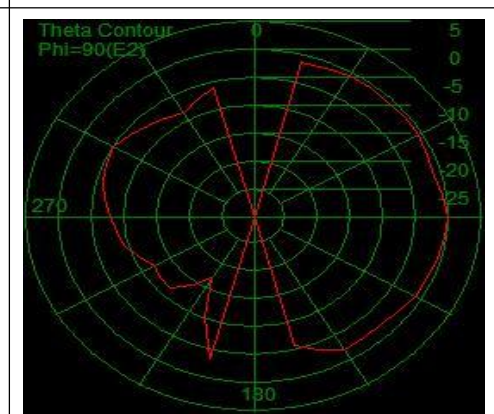
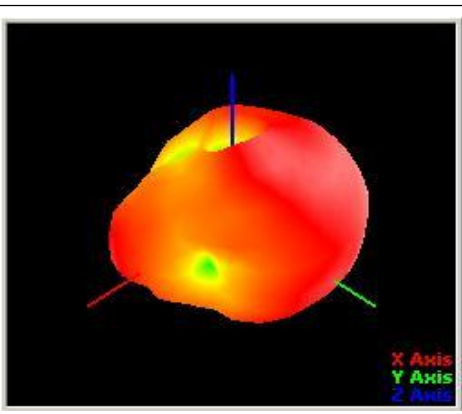
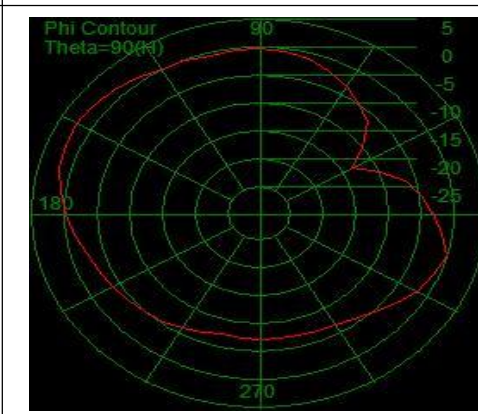
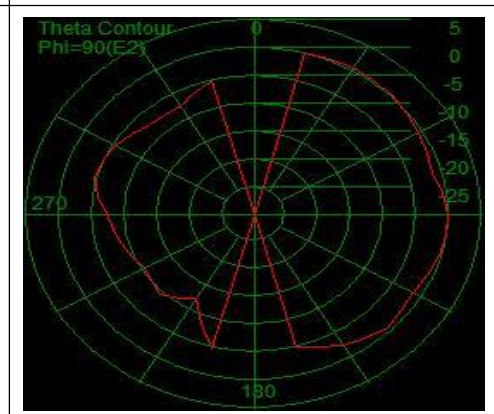
1. SWR:



2. return loss



2D、3DRaditation Pattern

		
2.4G	Gain(Peak):3. 0dBi	Efficiency:61.9%
		
2.45G	Gain(Peak):2.94dBi	Efficiency:57.4%
		
2.5G	Gain(Peak):2.91dBi	Efficiency:56.8%