



ShenZhen XinErSheng Technology Co.,Ltd

SPECIFICATION FOR APPROVAL

CUSTOMER

Product 2.4G Copper Tube Antenna 1.13 Gray Wire L=165MM 1st Generation IPEX

Manufacturers of Material XESANT12G13400

Customer Part Number W1-1301-3400-001-01

D A T E 2023/08/ 11

V E R S I O N A/0

That Customers:

ORGANIZER	CHECK	APPROVAL

ShenZhen XinErSheng Technology Co.,Ltd

ORGANIZER	CHECK	APPROVAL
Biao	LiSen	Amy

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Phone number: 0755-33881455

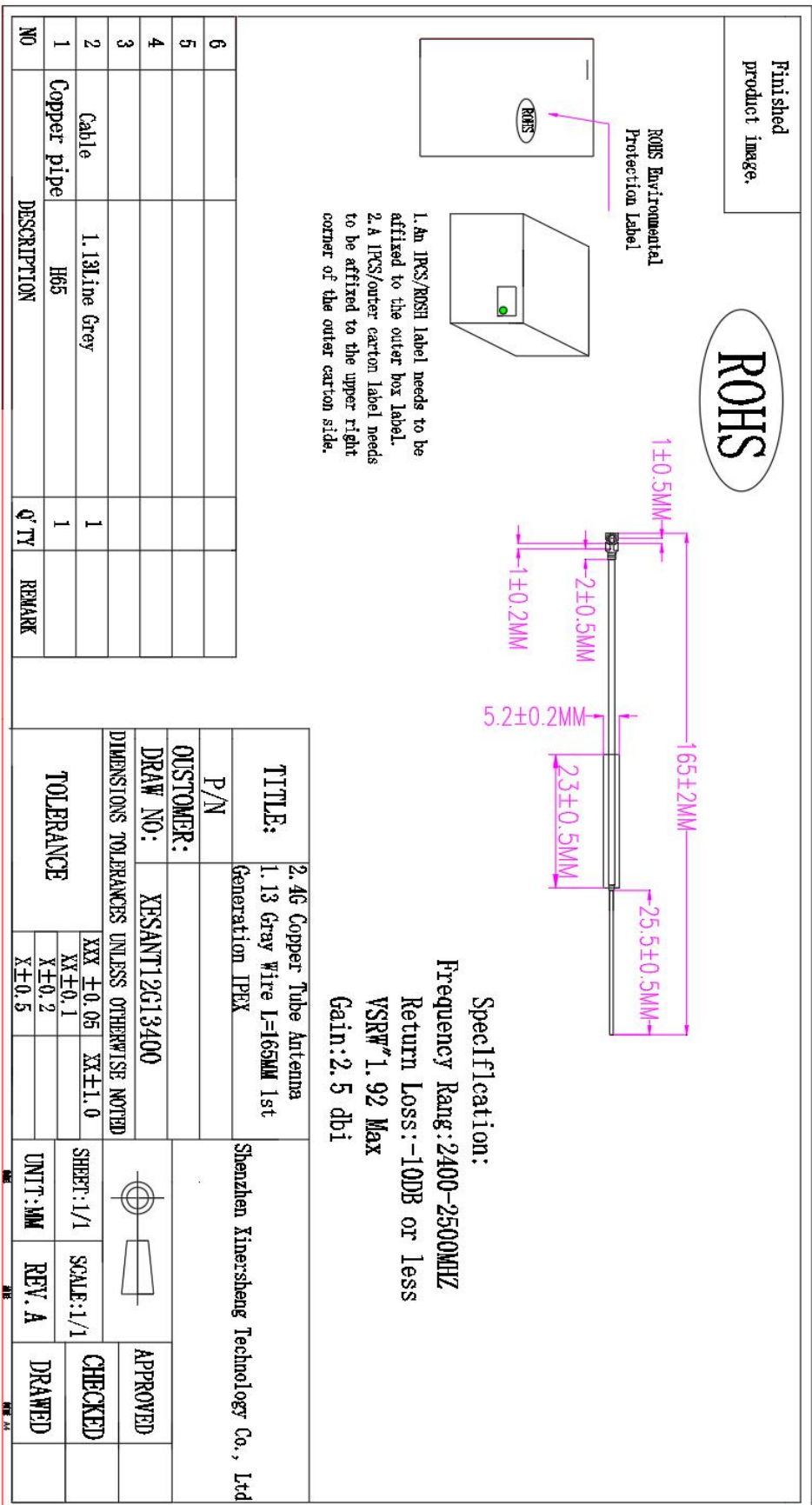
Fax NO.: 0755-33233276

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Main technical parameters of the product

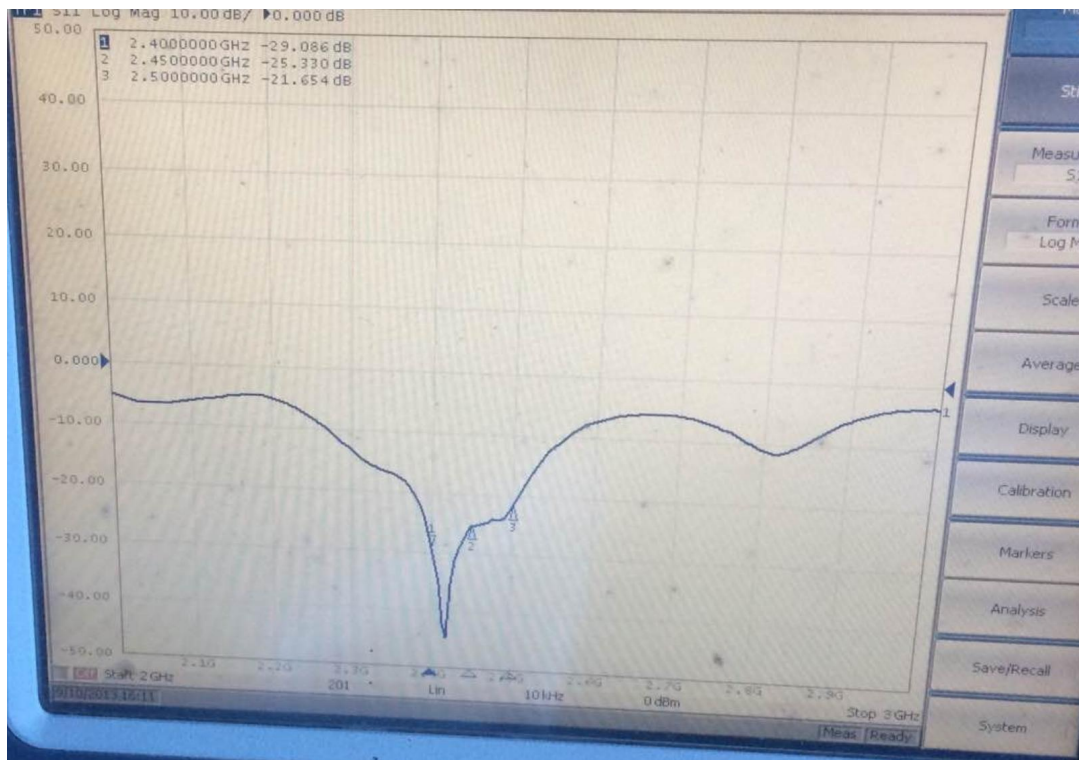
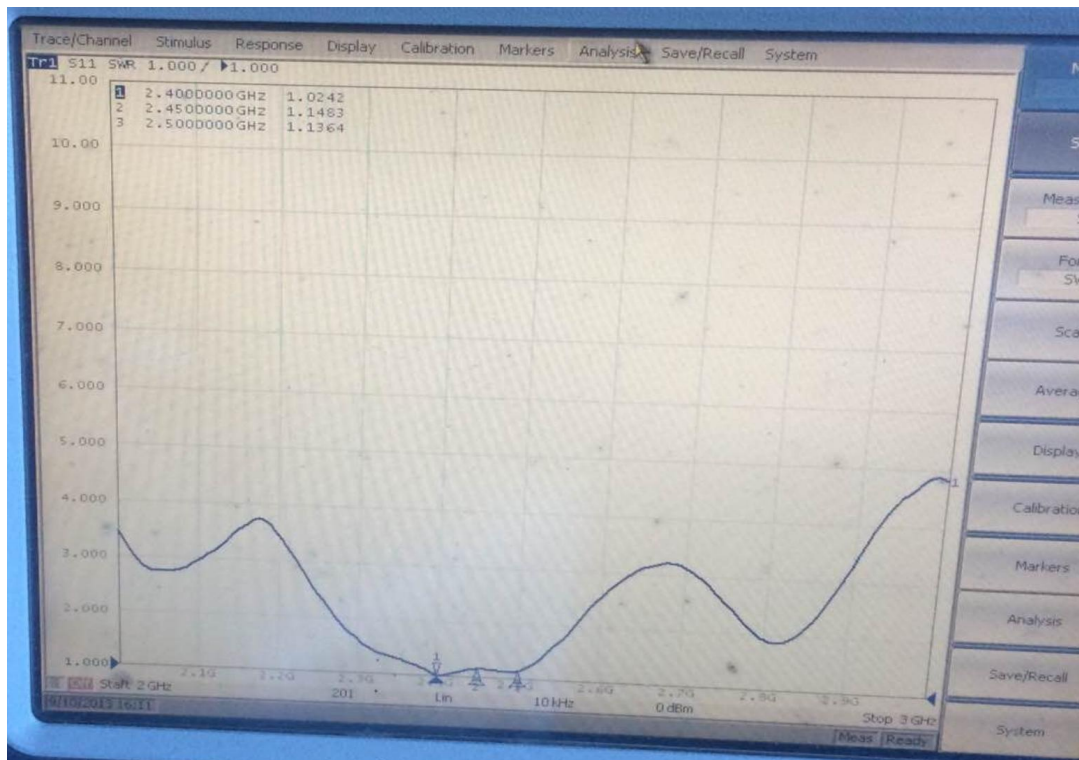
Main technical specifications	
Frequency Range(MHZ)	2400-2500
Impedance(Ω)	50 ± 10
Gain(dBi)	2.5 ± 0.5
ReTurnLoss(dB)	≤ -10
VSWR	≤ 1.92
Polarization	Linear Vertical
Connector Type	Weld
Physical Properties	
Antenna Base	copper
Operating Temp	$-20^{\circ}\text{C} - +60^{\circ}\text{C}$
Storage Temp	$-20^{\circ}\text{C} - +70^{\circ}\text{C}$

Product drawing

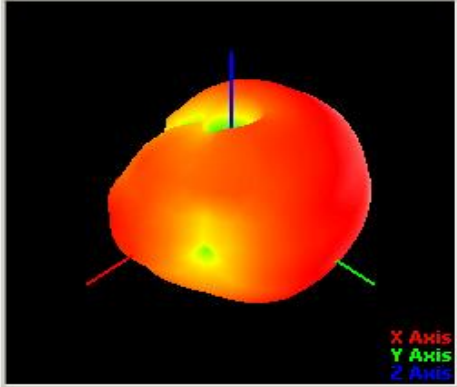
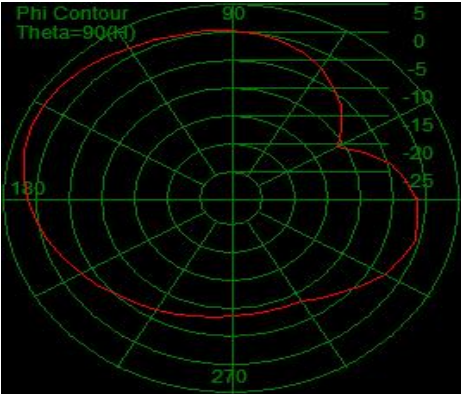
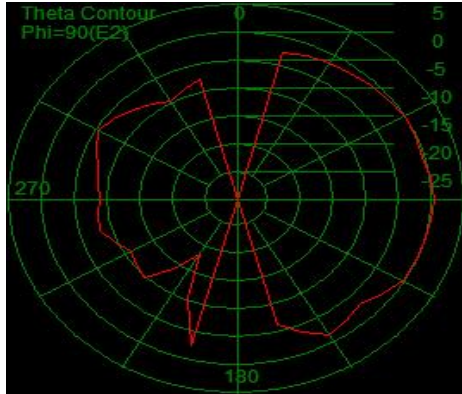
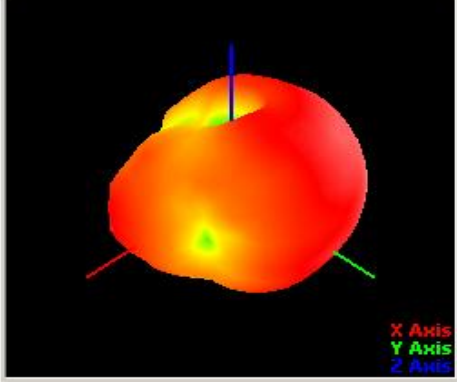
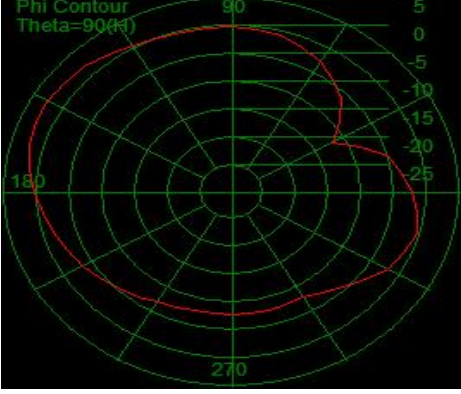
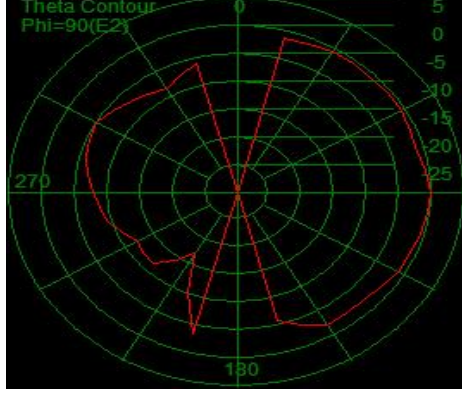
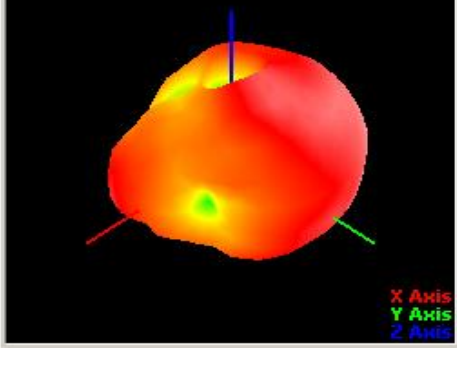
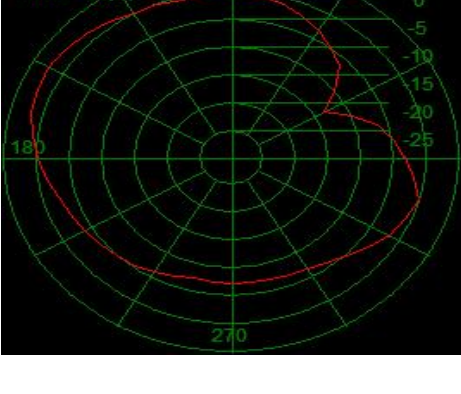
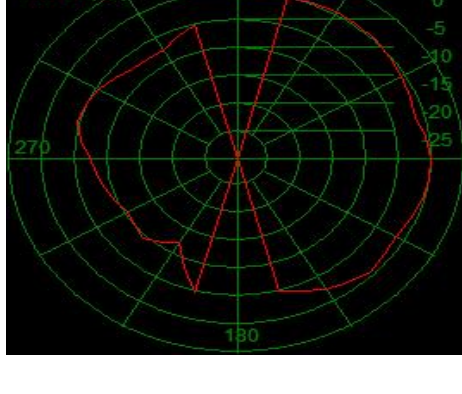


Network analyzer test report:

SWR



2D、3DRaditation Pattern

 X Axis Y Axis Z Axis	 Phi Contour Theta=90(φ1)	 Theta Contour Phi=90(E2)
2.4G	Gain(Peak):2.75dBi	Efficiency:61.9%
 X Axis Y Axis Z Axis	 Phi Contour Theta=90(φ1)	 Theta Contour Phi=90(E2)
2.45G	Gain(Peak):2.95dBi	Efficiency:67.4%
 X Axis Y Axis Z Axis	 Phi Contour Theta=90(φ1)	 Theta Contour Phi=90(E2)
2.5G	Gain(Peak):2.87dBi	Efficiency:56.8%