



ShenZhen XinErSheng Technology Co.,Ltd

SPECIFICATION FOR APPROVAL

Customer name: BeiNaiTe

Product name: 2.4G 2.5DB integrated antenna white

Customer Part
Number:

Manufacturers of
Material: SF011-110080B

Deliver quantity: 5PCS

Mark	Check	Examine and approve	Datelanded
Biao	Lisen	Amy	2022.09.05

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

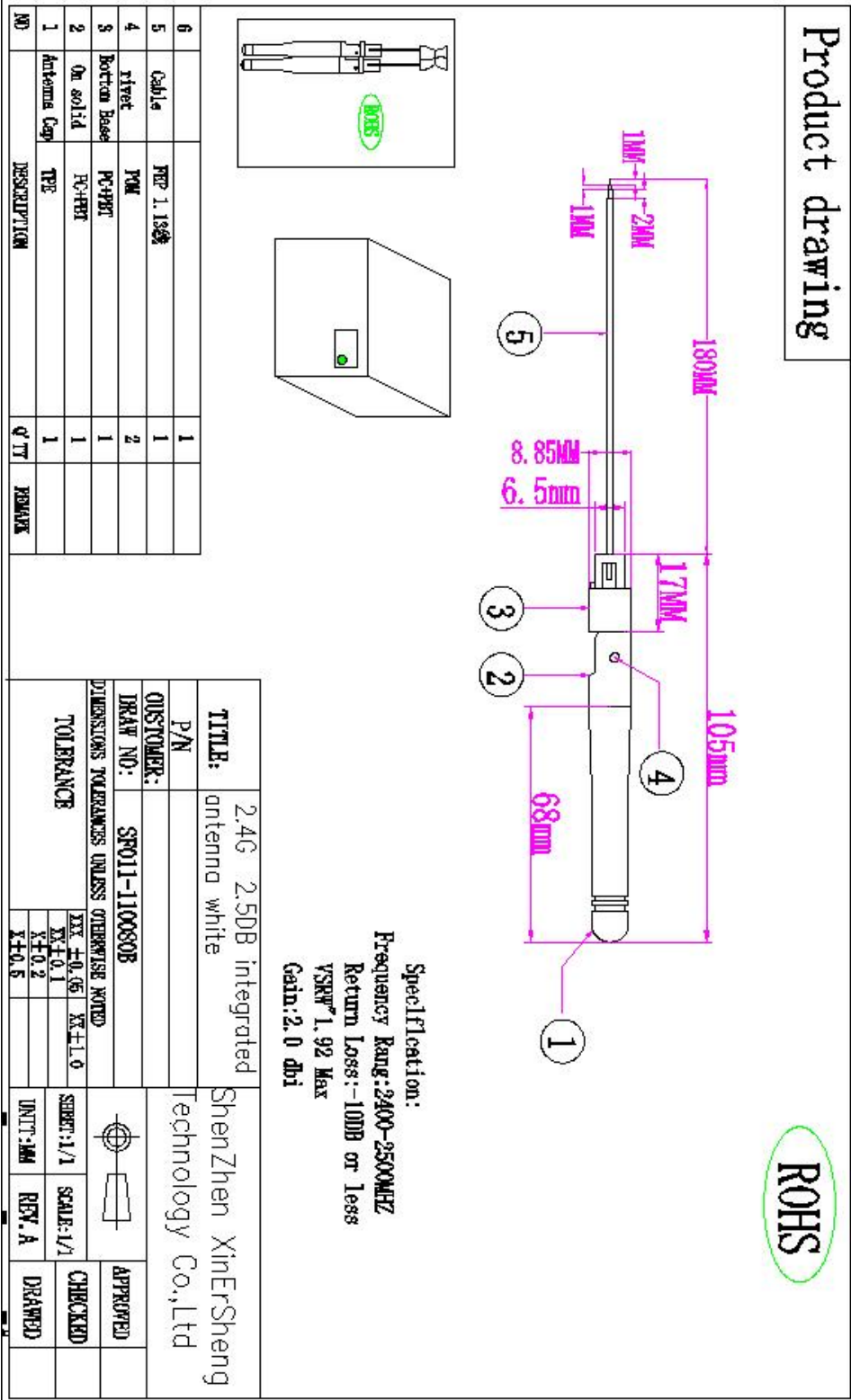
Main technical parameters of the product

Main technical specifications	
Frequency Range(MHZ)	2400-2500
Gain (dBi)	2±0.5dBi
Impedance(Ω)	50±10
ReTurnLoss(dB)	≤-10
VSWR	≤2
Admitted Power	1W
Polarization	Linear Vertical
Connector Type	Weld
Physical Properties	
Antenna Base	TPE
Operating Temp	-20℃-+60℃
Storage Temp	-20℃-+70℃

List of raw materials:

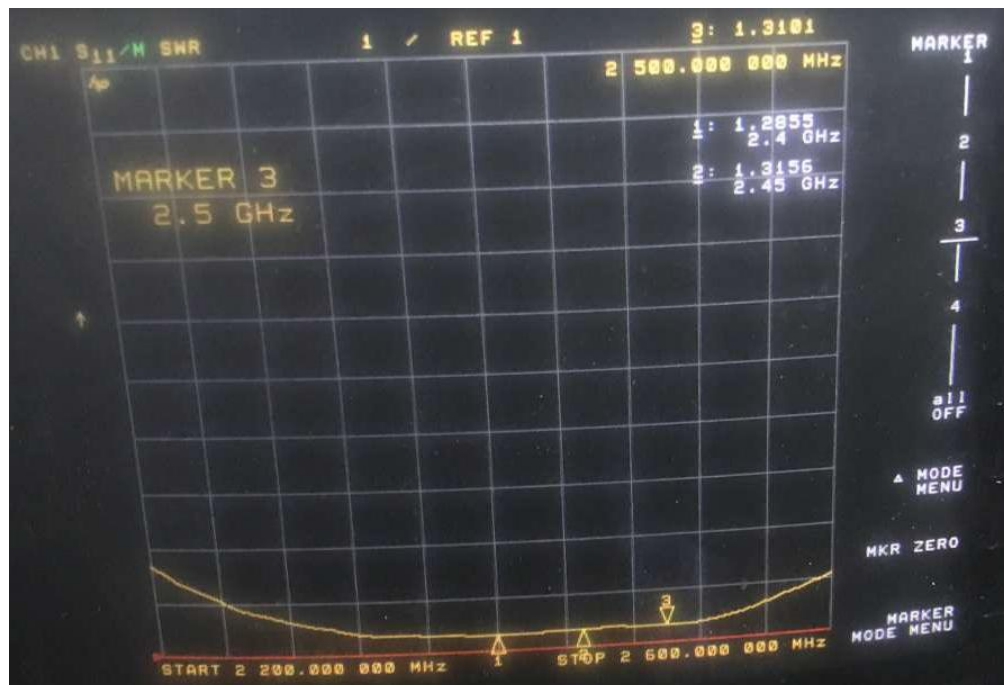
Serial number	Name	Texture	Quantity	Unit	Remark
1	Stem casing	TPE	1	PCS	
2	On the fixed seat	PC+PBT	1	PCS	
3	Under the fixed seat	PC+PBT	1	PCS	
4	Rivet	POM	1	PCS	
5	Wire rod	1.13 Gray	1	PCS	
6	Copper pipe	Zinc alloy	1	PCS	

Product drawing

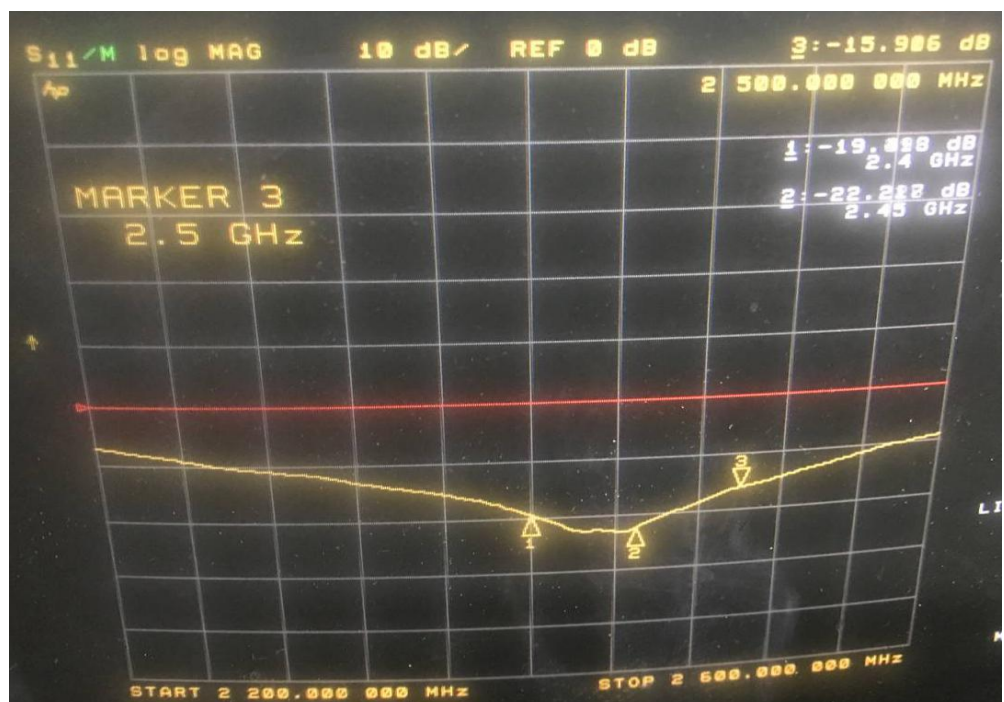


Network analyzer test report:

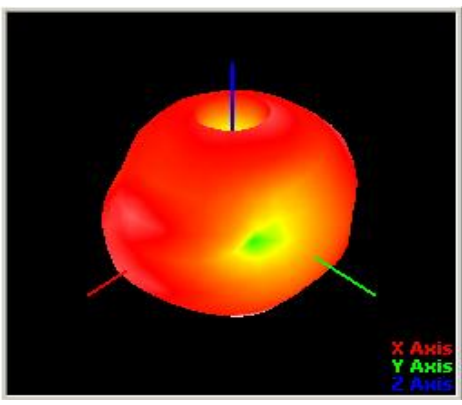
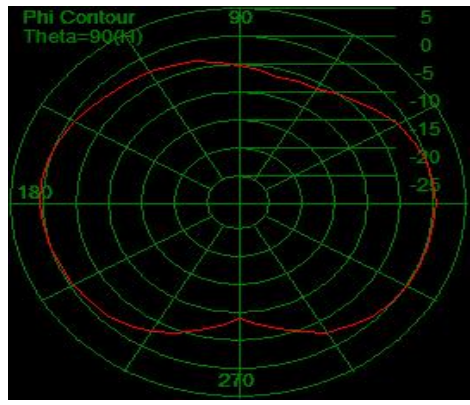
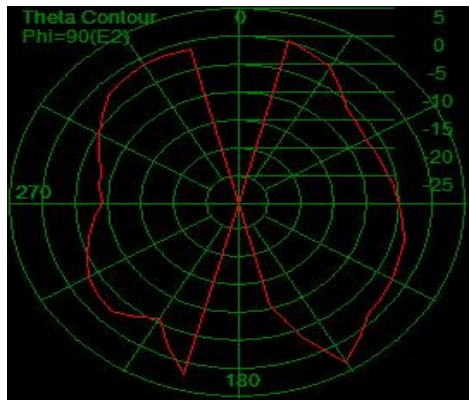
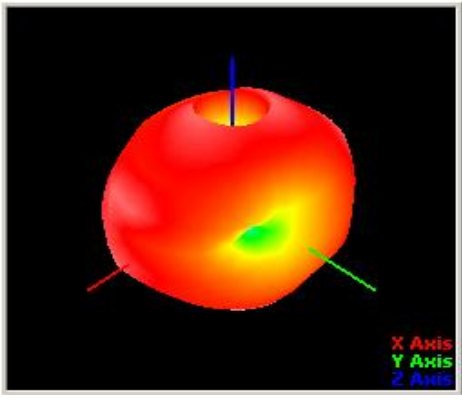
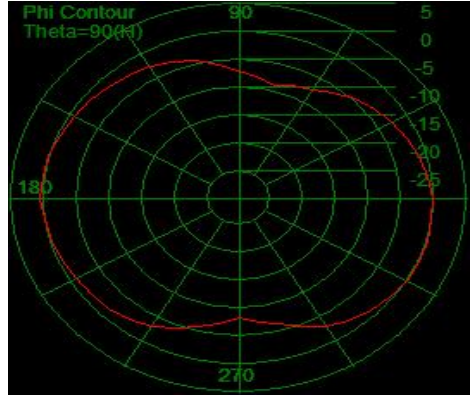
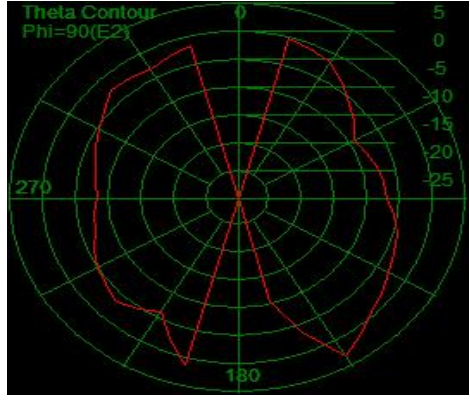
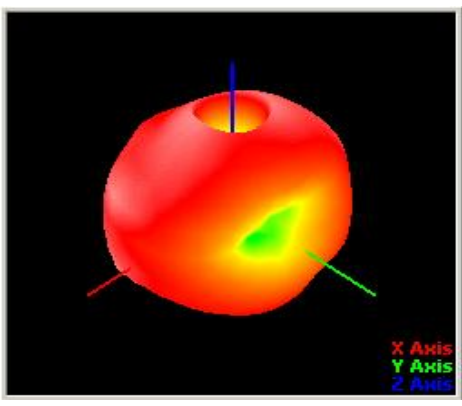
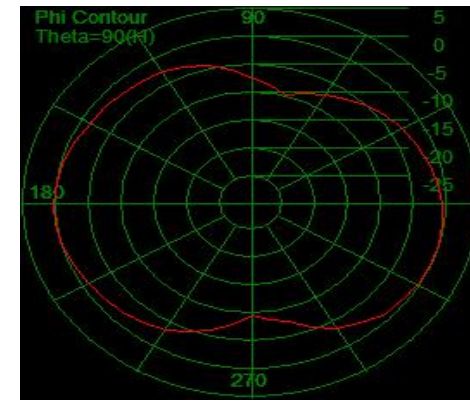
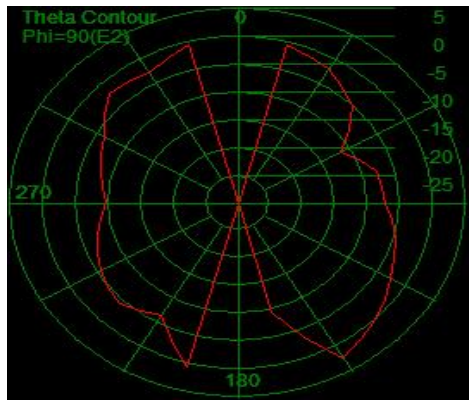
1. SWR:



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 plot at 2.4G, Theta=90(φ1). The plot shows a main lobe centered at 0° with a peak gain of 2.5dBi.	 Theta Contour plot at 2.4G, Phi=90(E2). The plot shows a main lobe centered at 0° with a peak gain of 2.5dBi.
2.4G	Gain(Peak):2.5dBi	Efficiency:68.8%
 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 plot at 2.45G, Theta=90(φ1). The plot shows a main lobe centered at 0° with a peak gain of 2.23dBi.	 Theta Contour plot at 2.45G, Phi=90(E2). The plot shows a main lobe centered at 0° with a peak gain of 2.23dBi.
2.45G	Gain(Peak):2.23dBi	Efficiency:65.2%
 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 plot at 2.5G, Theta=90(φ1). The plot shows a main lobe centered at 0° with a peak gain of 2.21dBi.	 Theta Contour plot at 2.5G, Phi=90(E2). The plot shows a main lobe centered at 0° with a peak gain of 2.21dBi.
2.5G	Gain(Peak):2.21dBi	Efficiency:62.3%