



SPECIFICATION FOR APPROVAL

Customer name: BeiNaiTe

Product name: 2.4G 2.5DB integrated antenna white

Customer Part Number: W1-1301-0080-002-04

Manufacturers of Material: SFANT12A13479

Deliver quantity: 5PCS

Mark	Check	Examine and approve	Datelanded
Biao	Lisen	Amy	2022.12.22

That Customers:

Acknowledge	Check	Examine and approve	Datelanded

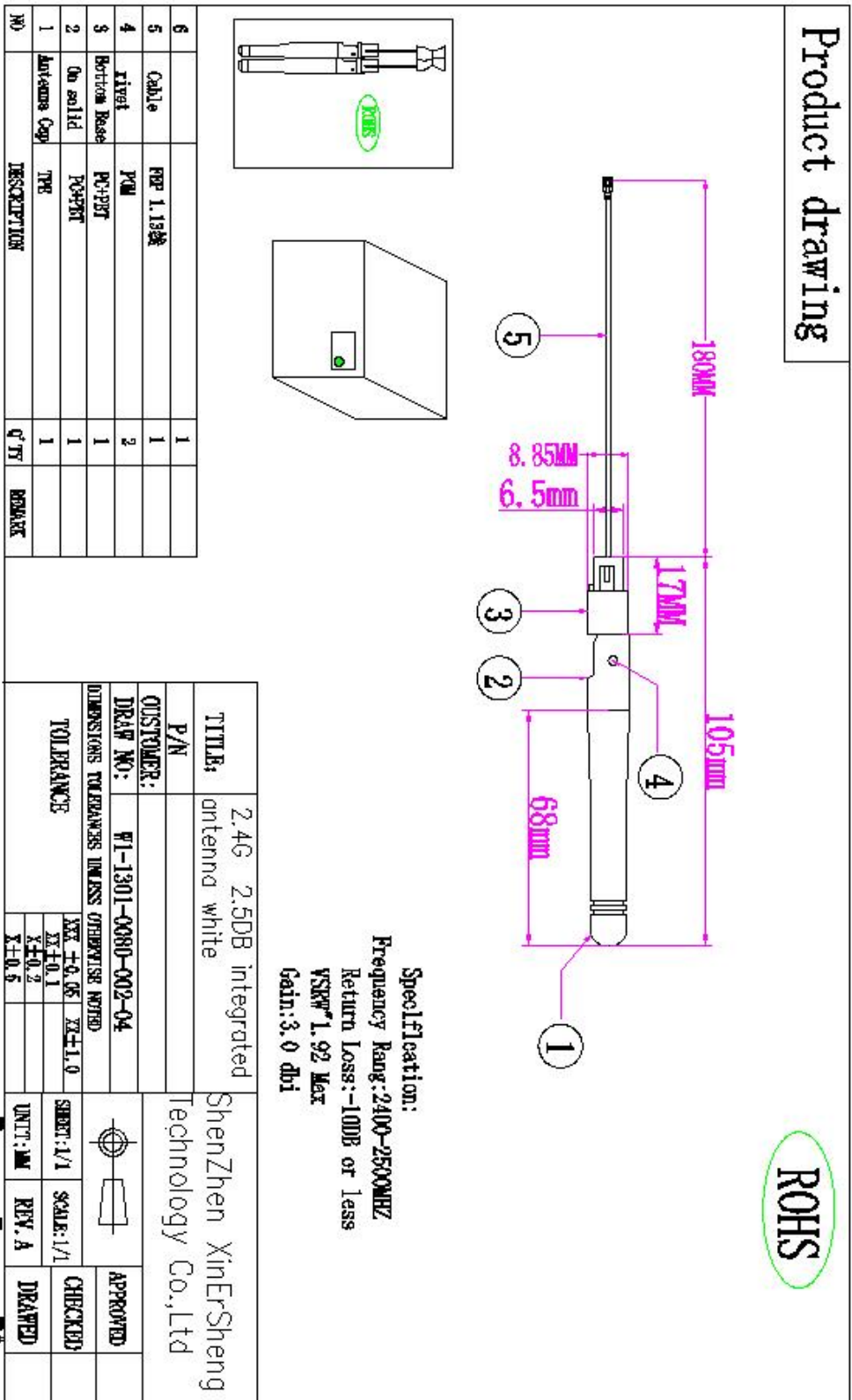
Main technical parameters of the product

Main technical specifications	
Frequency Range(MHZ)	2400-2483
Impedance(Ω)	50 ± 10
Gain(dBi)	3 ± 0.5
ReTurnLoss(dB)	≤ -10
VSWR	≤ 2.0
Admitted Power	1W
Polarization	Linear Vertical
Connector Type	IPEX
Physical Properties	
Antenna Base	TPE
Operating Temp	$-20^{\circ}\text{C}-+60^{\circ}\text{C}$
Storage Temp	$-20^{\circ}\text{C}-+70^{\circ}\text{C}$

List of raw materials:

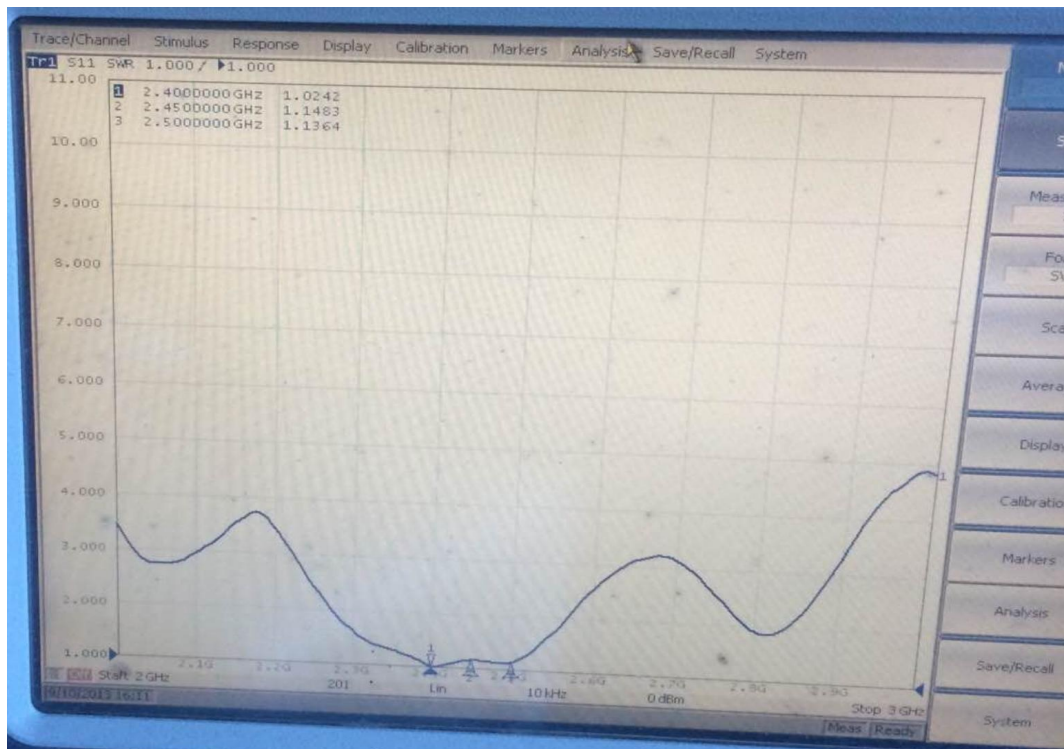
Serial number	Name	Texture	Quantity	Unit	Remark
1	Stem casing	TPE	1	PCS	
2	On the fixed seat	PC+PBT	1	PCS	
3	Under the fixed seat	PC+PBT	1	PCS	
4	Wire rod	1.13 Gray	1	PCS	
5	Copper pipe	Zinc alloy	1	PCS	

Product drawing

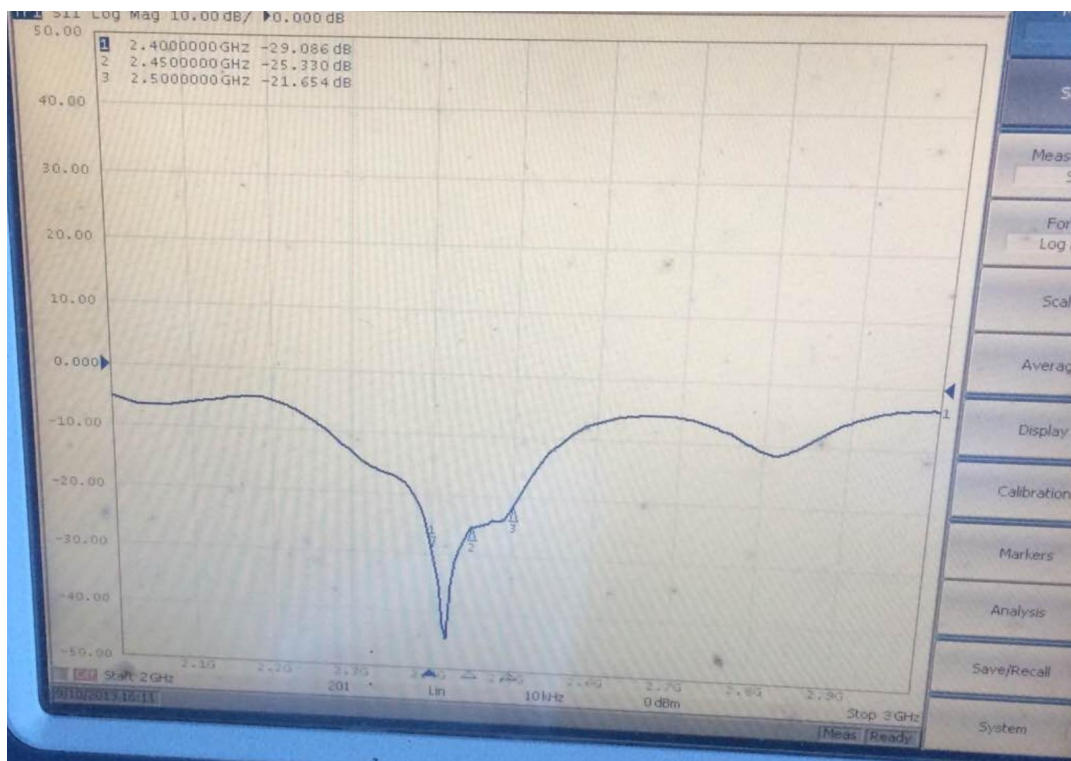


Network analyzer test report:

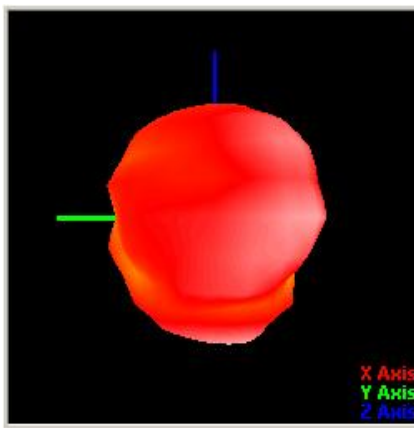
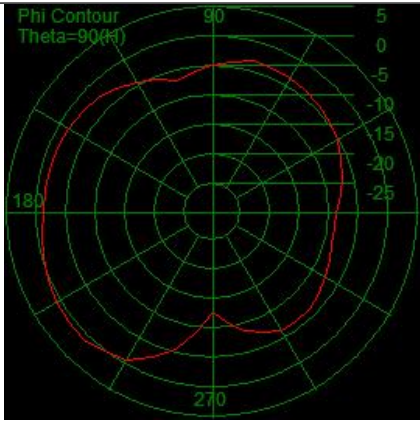
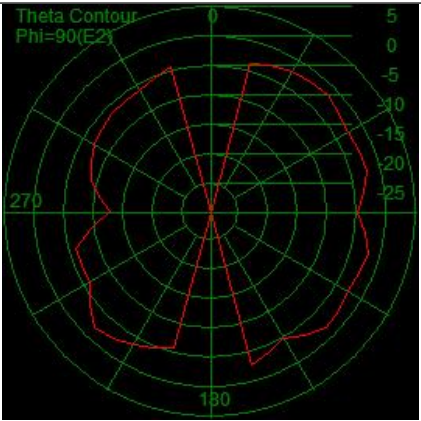
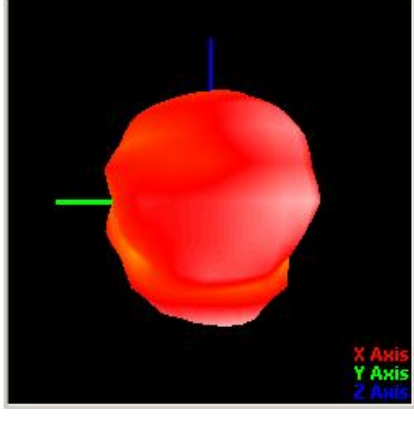
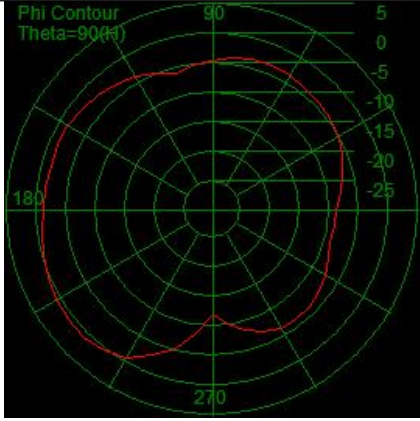
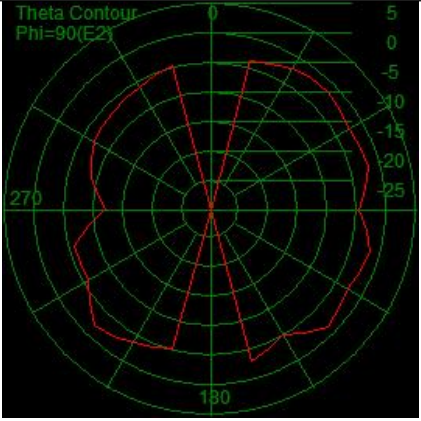
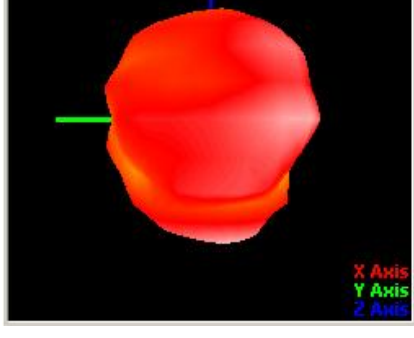
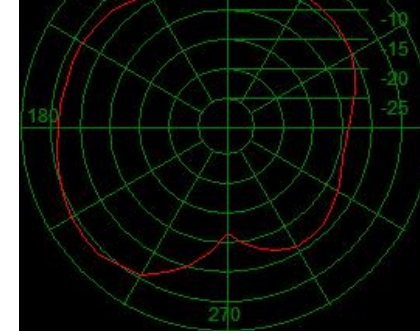
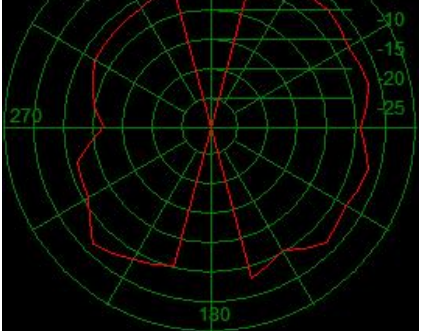
1. SWR:



2. return loss



2D、3DRaditation Pattern

 <p>X Axis Y Axis Z Axis</p>	 <p>Phi Contour Theta=90(ϕ)</p>	 <p>Theta Contour Phi=90(E_2)</p>
<p>2.4G</p>	<p>Gain(Peak):2.85dBi</p>	<p>Efficiency:61.5%</p>
 <p>X Axis Y Axis Z Axis</p>	 <p>Phi Contour Theta=90(ϕ)</p>	 <p>Theta Contour Phi=90(E_2)</p>
<p>2.45G</p>	<p>Gain(Peak):3.05dBi</p>	<p>Efficiency:63.2%</p>
 <p>X Axis Y Axis Z Axis</p>	 <p>Phi Contour Theta=90(ϕ)</p>	 <p>Theta Contour Phi=90(E_2)</p>
<p>2.5G</p>	<p>Gain(Peak):2.93dBi</p>	<p>Efficiency:60.7%</p>