

Shenzhen Qixintongda Communication Technology Co.,Ltd.

Antenna Specifications

Model	Watpro		
client			
Specification Description			
	product content	Specification	customer material code
	GSM+WCDMA Antenna	FPC	
	bluetooth antenna	Φ0.8*25mm	
change resume			
serial number	date	Version	Brief description of the changes
1	2022-09-06	V1.0	new project
2			
3			

Supplier sample confirmation					
research and development	structure	audit	determination		
			PASS ☒ FAIL ☐		
Customer sample confirmation					
Electronic	structure	project	purchase	quality	audit
Reasons for rejection or other considerations:					

1、Electrical performance test report

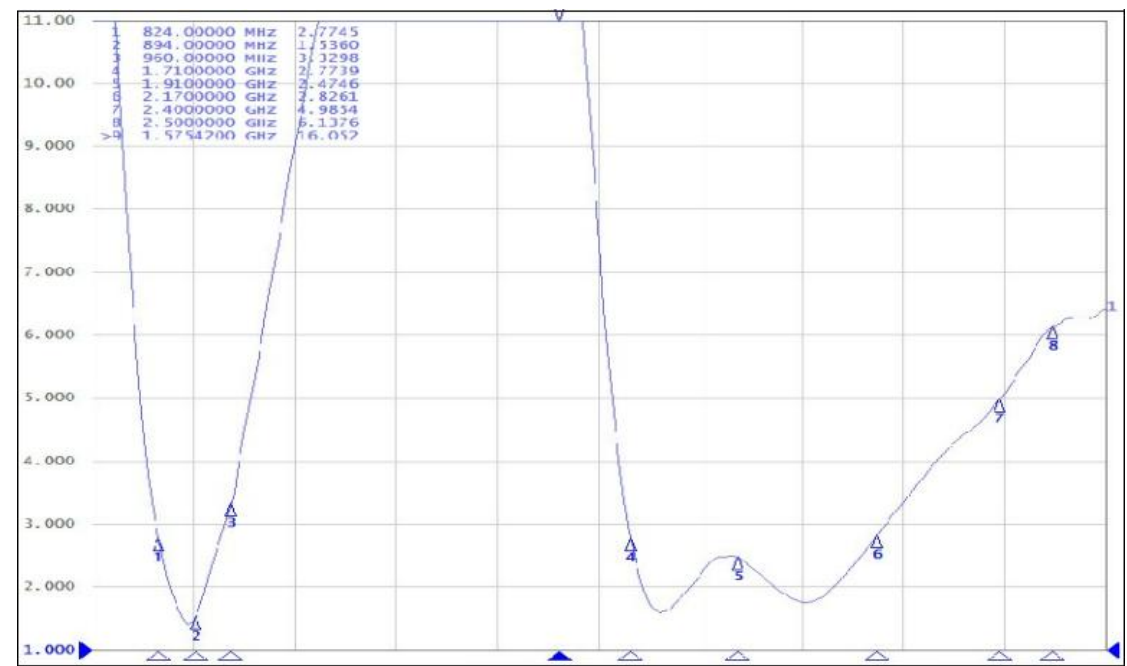
1.1 Test items and equipment

	Test items	equipment
1. Passive testing	1. VSWR parameter 2. Return loss parameter	Network Analyzer: HP 8753D 3D Darkroom Antenna Test System (ETStest system, Network Analyzer, Tester)
2. Active test	1. transmit power 2. receive level 3. Receive sensitivity	Tester : Agilent E5515C 3D Darkroom Antenna Test System (ETStest system, Tester)

1.2 GSM Passive Test Report

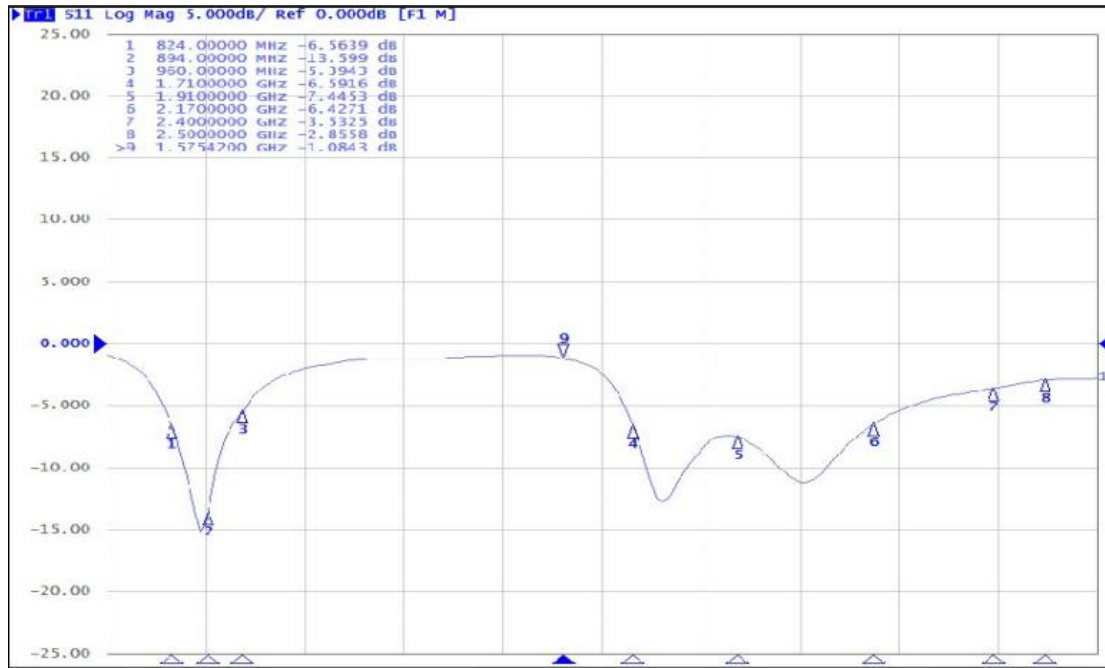
VSWR parameter value

frequency(MHZ)	824	960	1710	1990
RL	2.7	3.3	2.7	2.4



Return loss parameter value

frequency(MHZ)	824	960	1710	1990
RL	-6.5	-5.3	-6.5	-7.4



2、 Matching Circuit Description

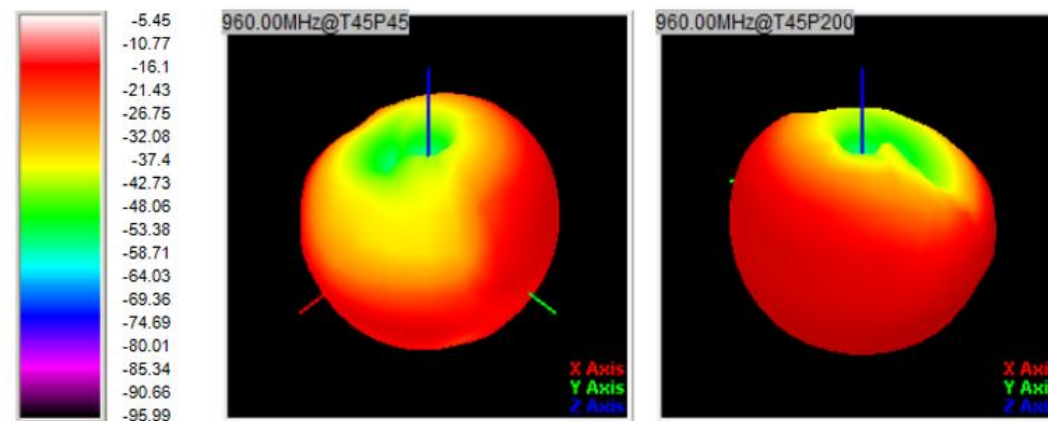
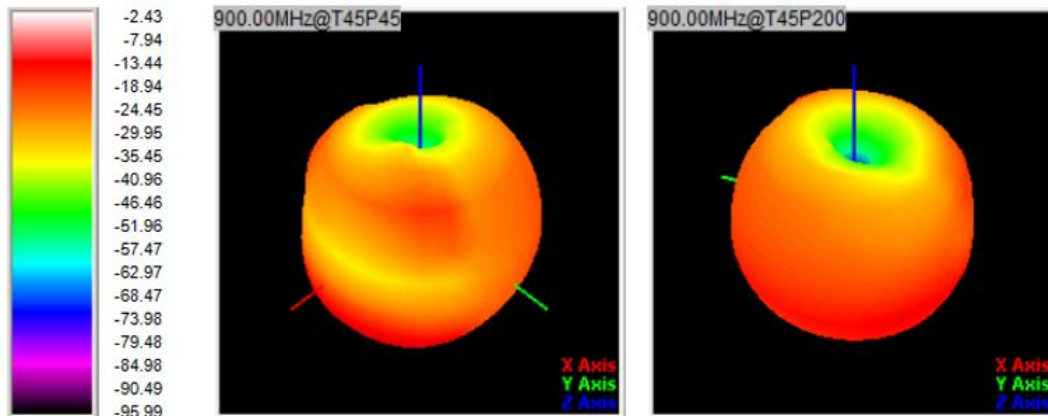
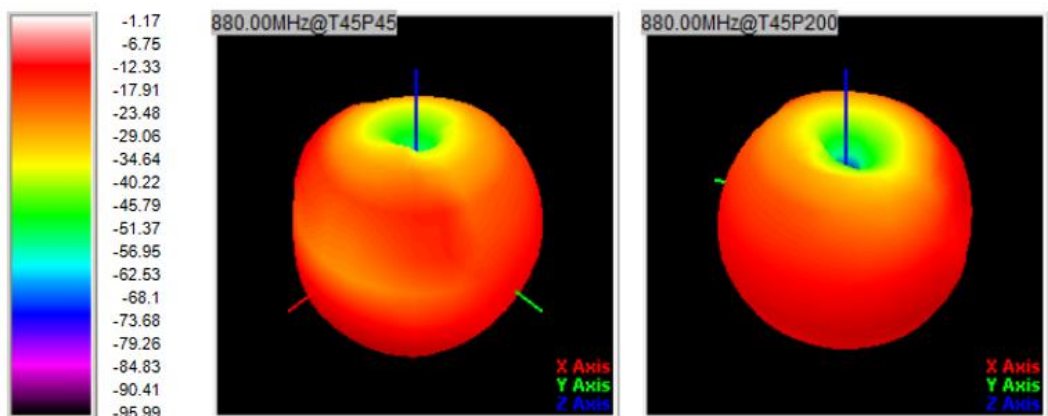
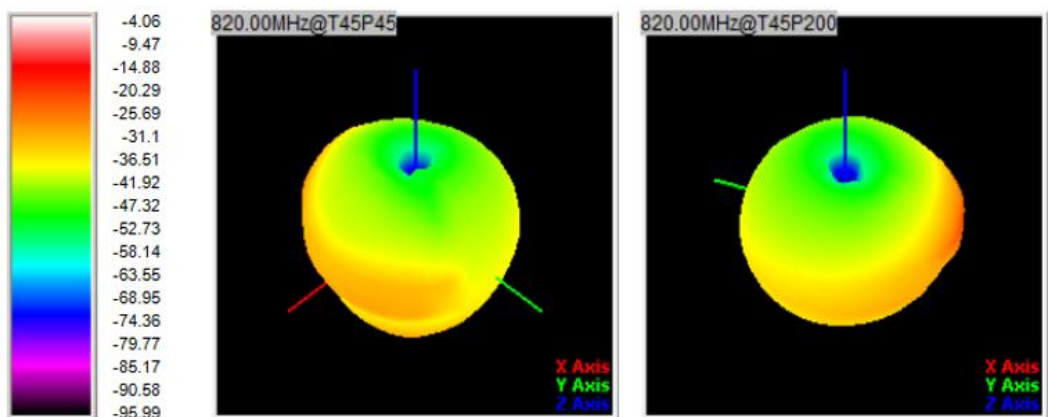
No changes have been made to the original matching circuit of your company.

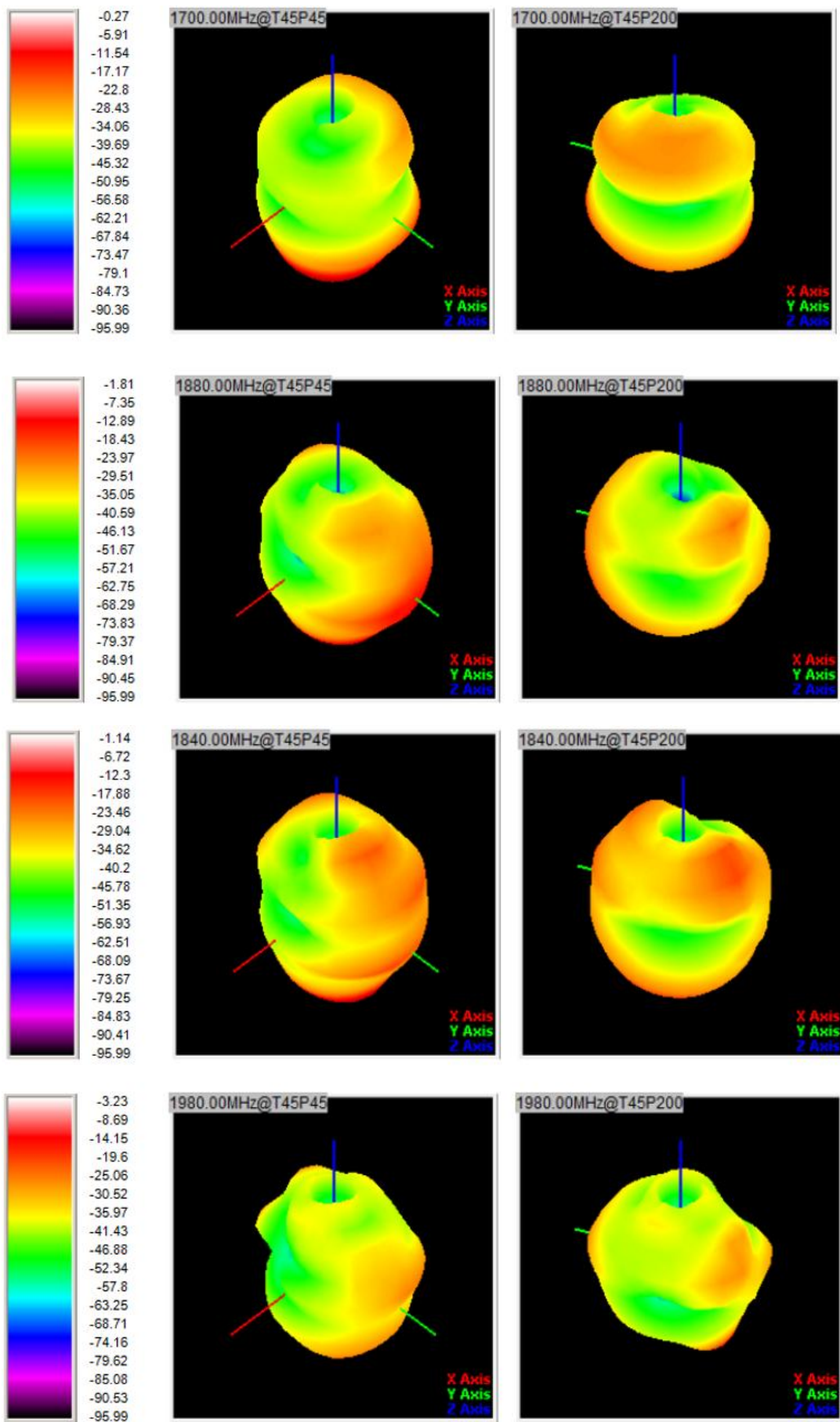
3、 testing report

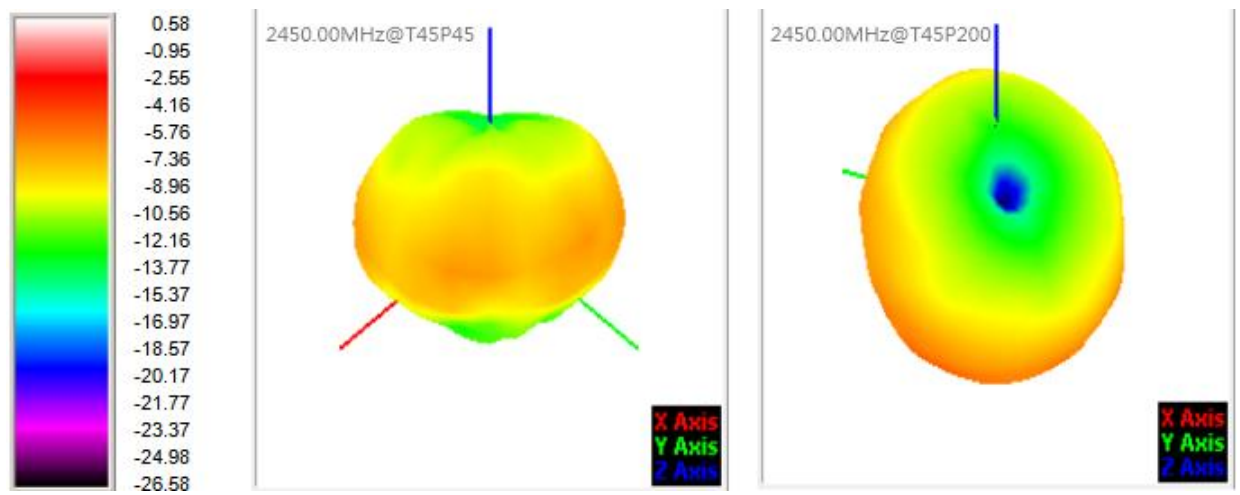
	GSM900			DCS1800		
Channel	1	62	124	512	698	885
TIS			-100.15			-104.18
	GSM850			PCS1900		
Channel	128	192	251	512	661	810
TIS			-102.57			-103.16
	WCDMA850			WCDMA1900		
Channel	4357	4408	4458	9662	9800	9938
TIS			-104.55			-105.78

4、 Antenna Gain:

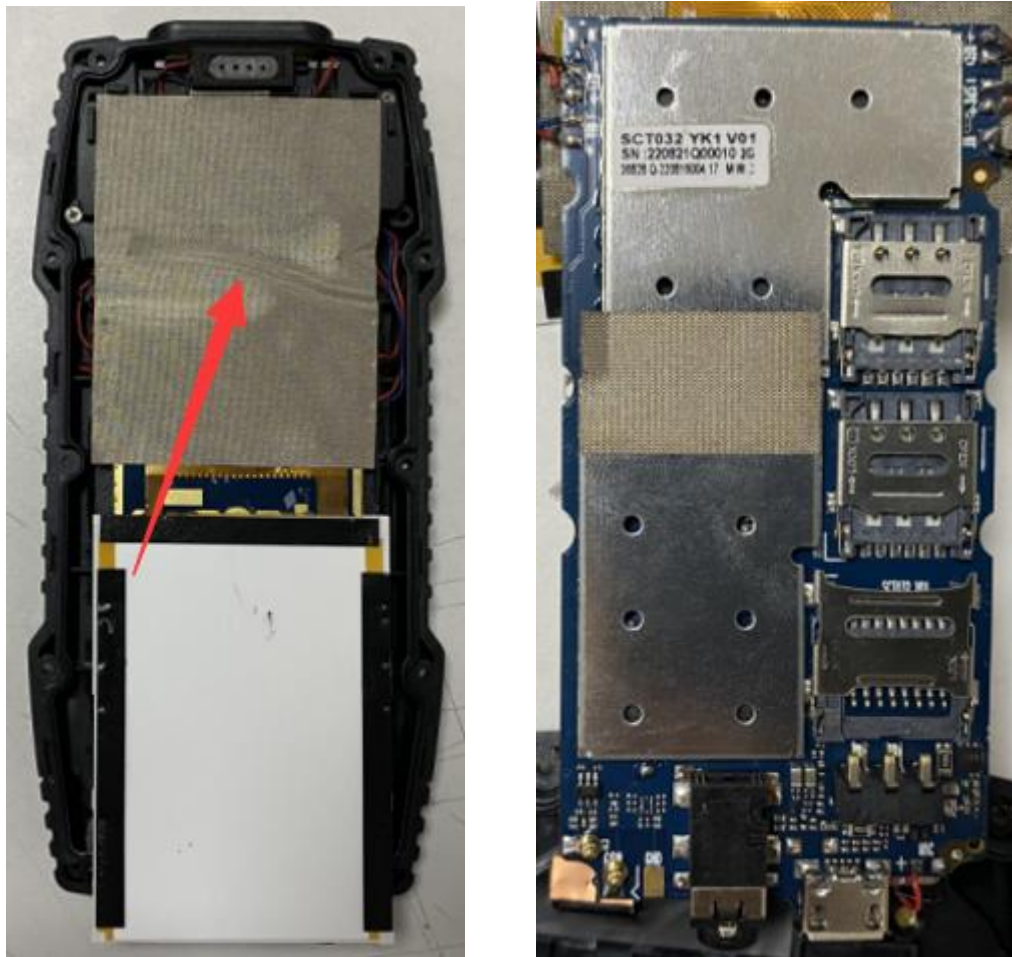
Frequency (MHz)	Gain (dBi)
850/WCDMA850 (824MHz~894MHz)	-0.15
900 (880MHz~960MHz)	-0.17
1800 (1710MHz~1800MHz)	-0.85
1900/WCDMA1900 (1850MHz~1990MHz)	-1.05
BT (2400MHz~2500MHz)	-0.85







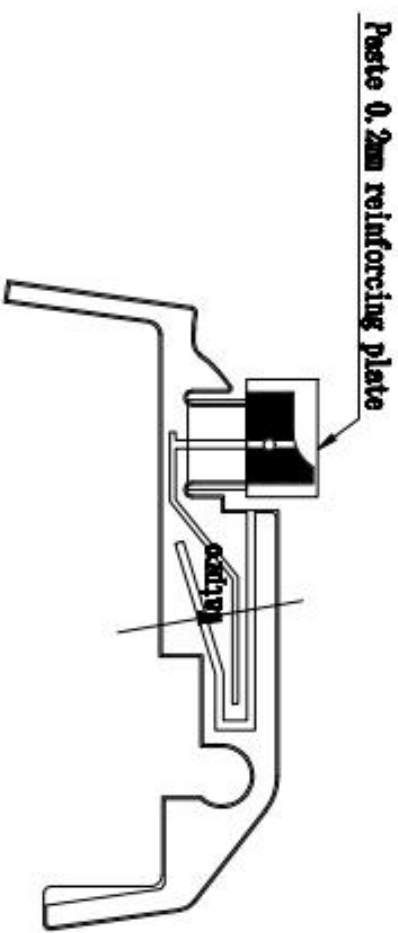
5、 Environmental treatment



Do it according to the prototype environment given by your company

6、 Structural drawings

修改内容	修改者	修改日期



NOTES:

1. The oblique line filling part is Copper-Clad Electrical wiring;
2. Red is the outline. Pay attention to the edge size
3. Material property: electrolytic copper, half to half material thickness of 0.05mm; (stick it on the back of the rear shell to ensure its viscosity)
4. Adhesive type: 3m-95170 imported adhesive;
5. Gold / nickel plating 3 ~ 5μ on the surface of gold finger;
6. The protective film is dark black / dark white;
7. The overall thickness shall be less than or equal to 0.2mm
8. Only the product is allowed to conduct electricity;

Shenzhen ruiyinda communication equipment Co., Ltd				
General indicators		Design		
I	10.5	Material: PI	Insulation	
II	10.25	Surface Treatment:	Conform	
III	10.65			
ASSEMBLY	± 0.5°	Column Blank	Preparation:1	Bill of Materials A

