

Antenna Specifications

Model	I318F		
client	HONG KONG IPRO TECHNOLOGY CO.,LIMITED		
Specification Description			
	product content	Specification	customer material code
	GSM Antenna	shrapnel	
	bluetooth antenna	Φ0.8*25mm	
change resume			
serial number	date	Version	Brief description of the changes
1	2022-05-16	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

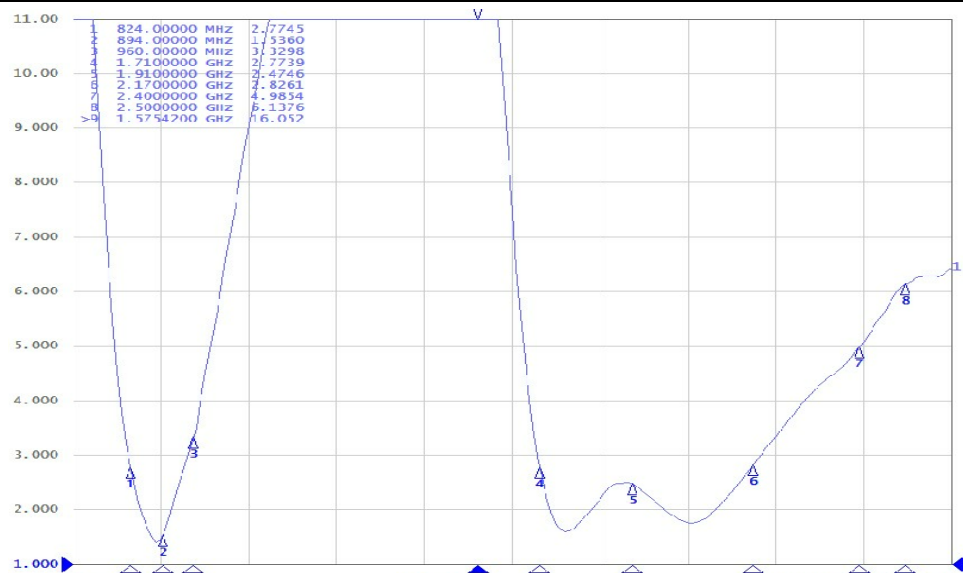
1.1 Test items and equipment

	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

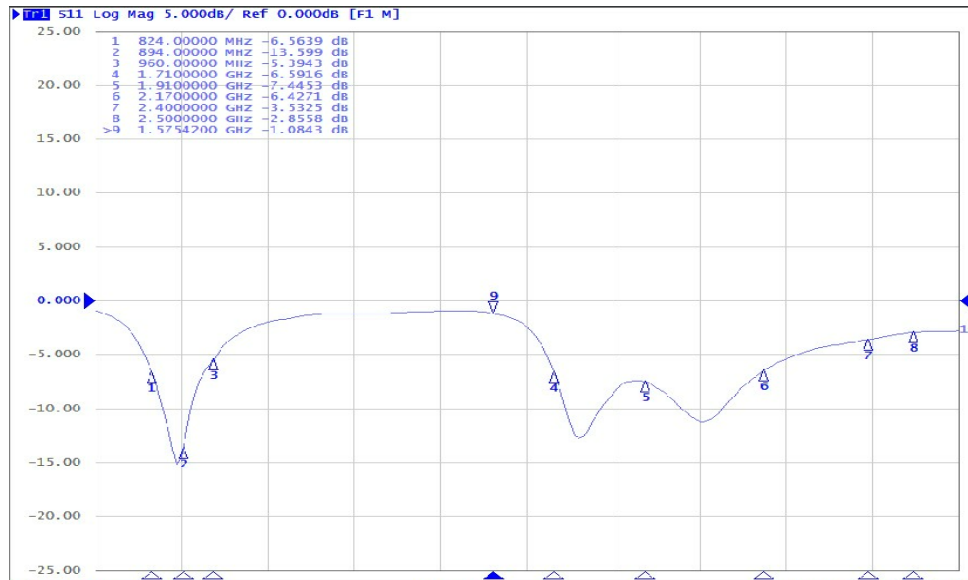
VSWR parameter value

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

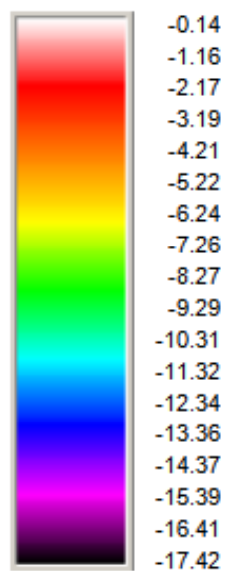
No changes have been made to the original matching circuit of your company.

3、testing report

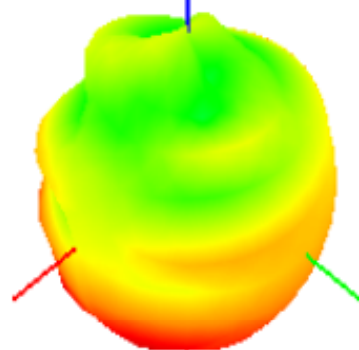
	GSM900			DCS1800		
Channel	1	62	124	512	698	885
TIS			-102.19			-103.3
	GSM850			PCS1900		
Channel	128	190	251	512	661	810
TIS			-102.12			-103.26

4、Antenna Gain:

Frequency (MHz)	Gain (dBi)
850 (824MHz~894MHz)	-0.16
900 (880MHz~960MHz)	-0.17
1800 (1710MHz~1800MHz)	0.36
1900 (1850MHz~1990MHz)	0.38
BT (2400MHz~2500MHz)	0.63

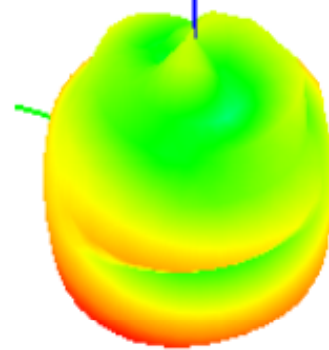


824.00MHz@T45P45

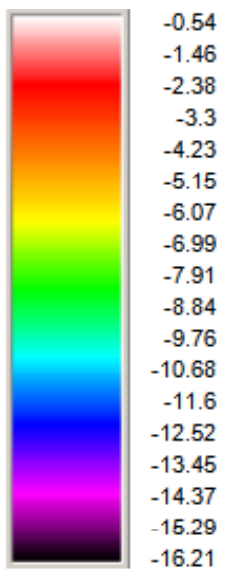


X Axis
Y Axis
Z Axis

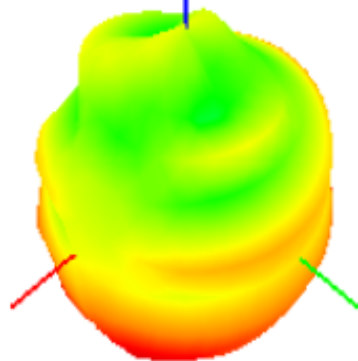
824.00MHz@T45P200



X Axis
Y Axis
Z Axis

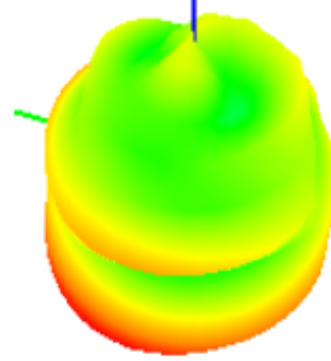


960.00MHz@T45P45



X Axis
Y Axis
Z Axis

960.00MHz@T45P200

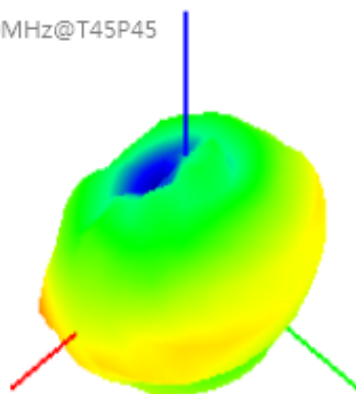


X Axis
Y Axis
Z Axis



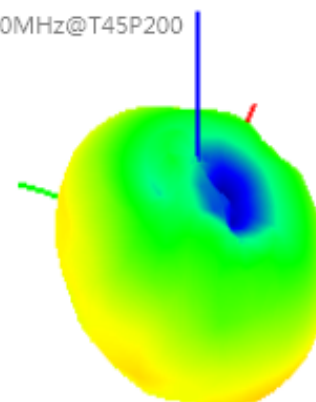
0.38
-0.95
-2.29
-3.62
-4.96
-6.29
-7.62
-8.96
-10.29
-11.62
-12.96
-14.29
-15.62
-16.96
-18.29
-19.63
-20.96
-22.29

1710.00MHz@T45P45



X Axis
Y Axis
Z Axis

1710.00MHz@T45P200

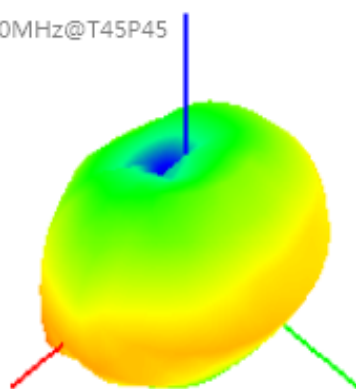


X Axis
Y Axis
Z Axis



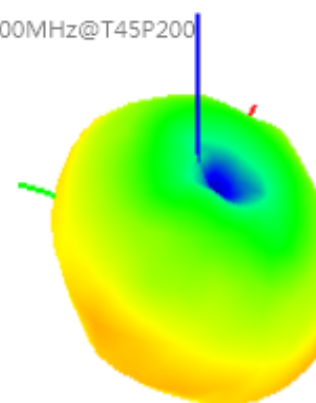
0.43
-0.86
-2.15
-3.44
-4.72
-6.01
-7.3
-8.58
-9.87
-11.16
-12.45
-13.73
-15.02
-16.31
-17.6
-18.88
-20.17
-21.46

1990.00MHz@T45P45

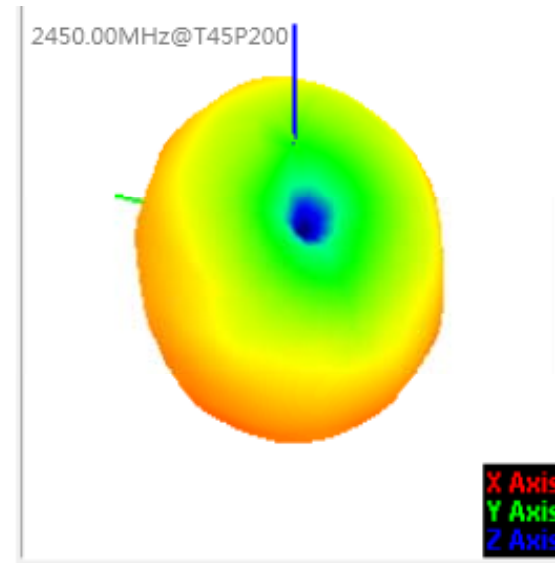
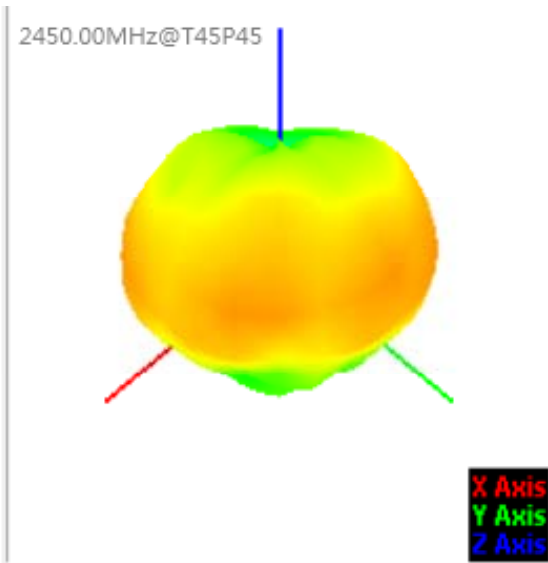
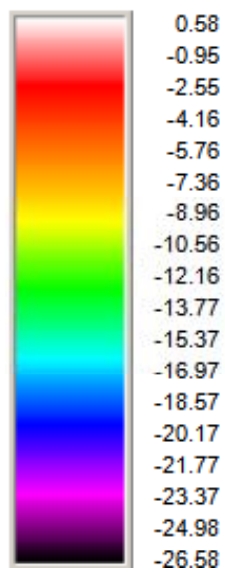


X Axis
Y Axis
Z Axis

1990.00MHz@T45P200



X Axis
Y Axis
Z Axis



5、 Environmental treatment



Do it according to the prototype environment given by your company

6、 Structural drawings

