

Shenzhen Qixin Tongda Technology Co., Ltd

Antenna test data report

Client: Yunji

Project: S185

GSM: B2/B3/B5/B8

CDMA:BC0/BC1/BC10

WCDMA: B1/B2/B4/B5/B8/B19

TDD:B34/B38/B39/B40/B41F

FDD:B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B18/B19/B20/B25/B26/B28AB/

B66/B71

5G:n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/n40/n41/n66/n71/n77/n78

Engineering: Xiong Gong (187 1893 6792)

Date: 2025-09-15

1. Test Project

	Test Project	Equipment
1. S Parameter	1. Return Loss (RL) 2. VSWR	Network Analyzer: Agilent 5071B
2. RF Test (2/3/4/5G)	1. power 2. level 3. TRP/TIS	Comprehensive Test: SP9500/CMW500/8960 Test Environment: Anechoic Chamber

2. Test Equipment



Agilent 5071B (S Parameter (RL/VSWR) Test Equipment)



Agilent 8960 (2G/3G Test Equipment)

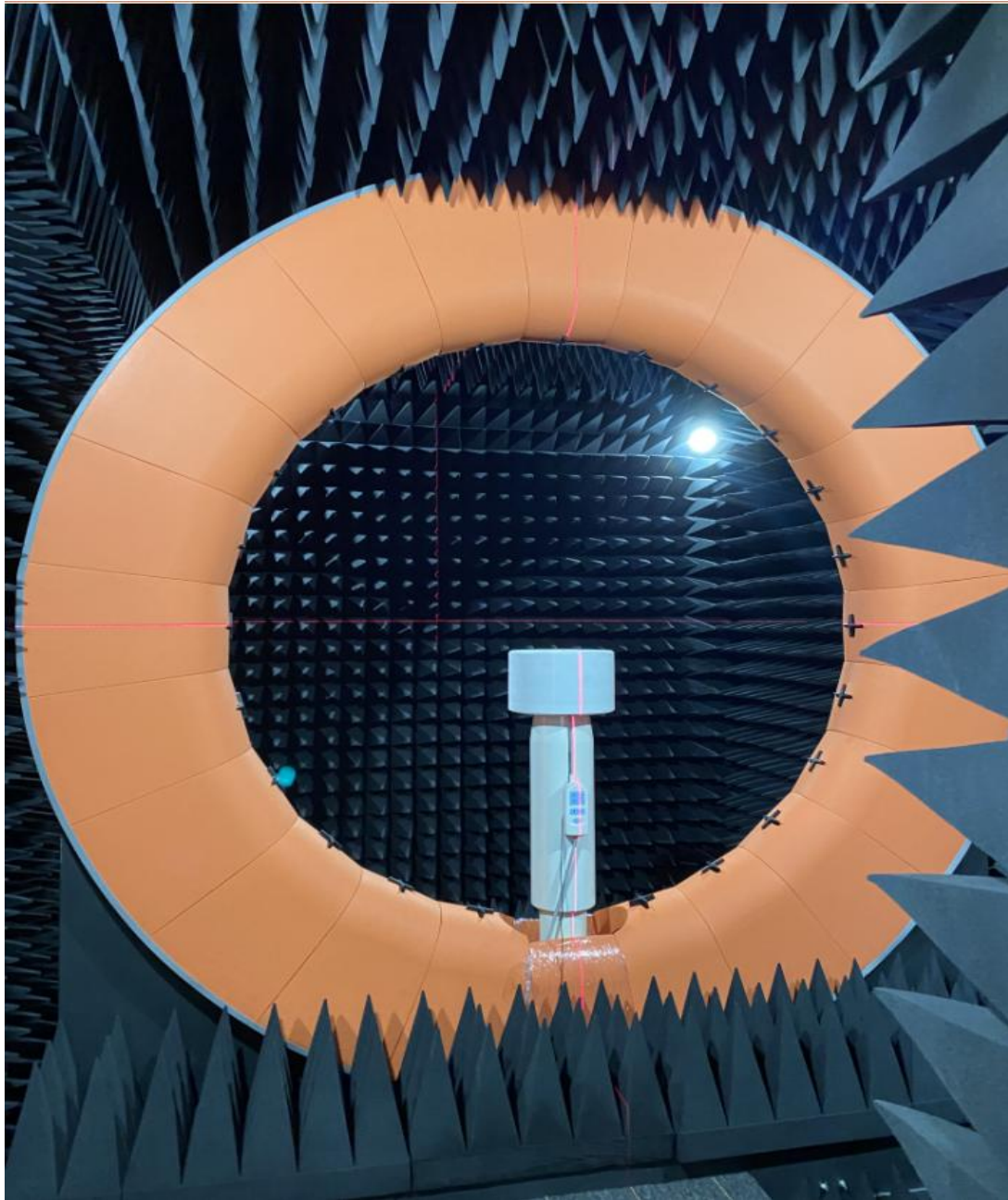


CMW 500 (2G/3G/4G Test Equipment)



SP9500 (5G Test Equipment)

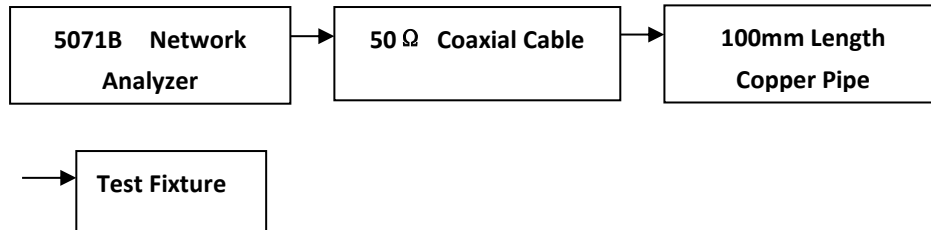
3. TestEnvironment



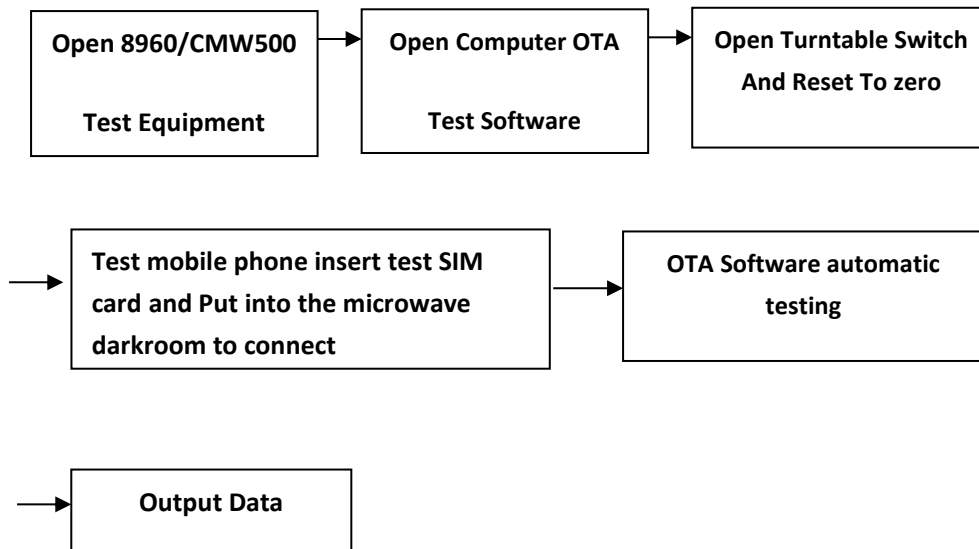
Microwave Anechoic Chamber

4.Test Steps

Passive VSWR/RL Test Steps:



Active TRP/TIS Test Steps:

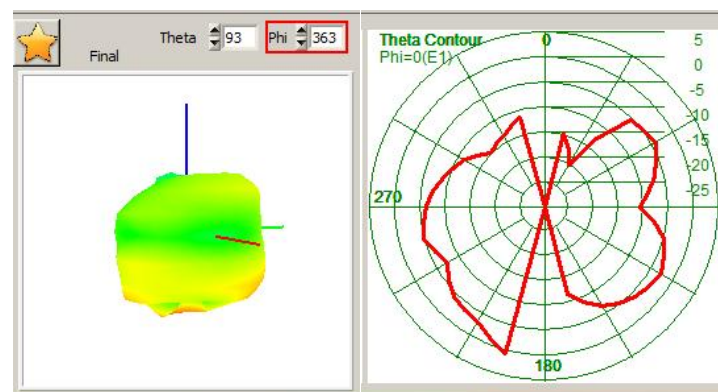


5. Antenna Gain

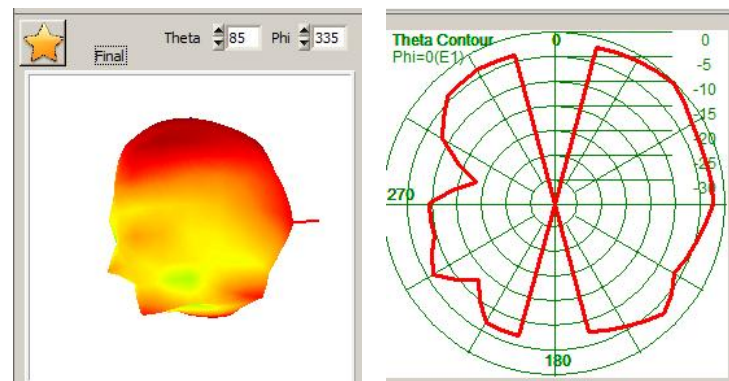
Band	Max Gain	Band	Max Gain
GSM850	-0.87	NR-B1	-0.17
GSM900	-0.71	NR-B2	0.47
DCS1800	0.85	NR-B3	0.85
PCS1900	0.47	NR-B5	-0.87
WCDMA1	-0.17	NR-B7	-0.47
WCDMA2	0.47	NR-B8	-0.71
WCDMA4	0.54	NR-B12	-1.22
WCDMA5	-0.87	NR-B20	-0.87
WCDMA8	-0.71	NR-B25	0.47
WCDMA19	-0.87	NR-B28	-1.33
LTE-B1	-0.17	NR-B38	-0.78
LTE-B2	0.47	NR-B40	-0.58
LTE-B3	0.85	NR-B41	-0.79
LTE-B4	0.54	NR-B66	0.58
LTE-B5	-0.87	NR-B71	-2.08
LTE-B7	-0.47	NR-B77	0.53
LTE-B8	-0.71	NR-B78	0.50
LTE-B12	-1.22		
LTE-B13	-1.45	BC0	-0.87
LTE-B17	-1.25	BC1	0.47
LTE-B18	-0.87	BC10	-0.87
LTE-B19	-0.89		
LTE-B20	-0.87		
LTE-B25	0.47	Bluetooth	-0.13
LTE-B26	-0.87	WIFI-2.4G	-0.13
LTE-B28	-1.33	WIFI-5.1G	-0.38
LTE-B66	0.58	WIFI-5.8G	-0.50
LTE-B71	-2.08	GPS	-0.31
LTE-B34	0.17		
LTE-B38	-0.78		
LTE-B39	0.85		
LTE-B40	-0.58		
LTE-B41	-0.79		

6.3D Lobe Diagram

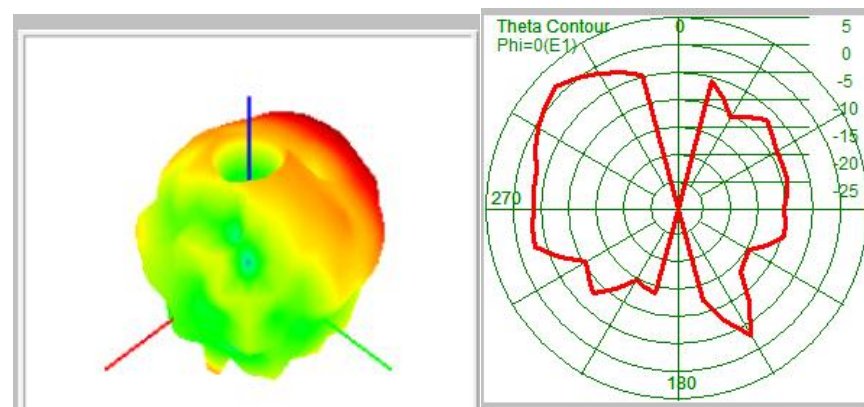
GPS



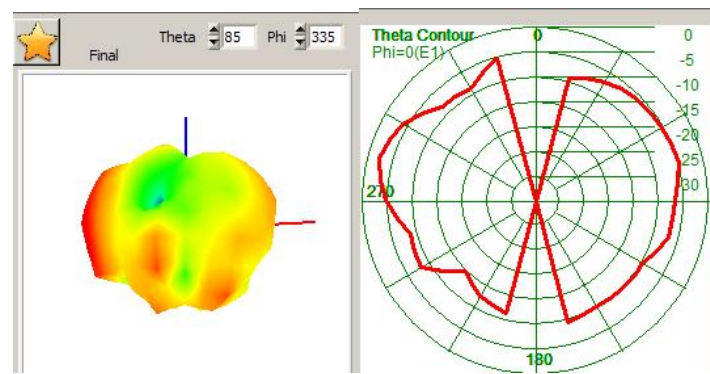
BT/WIFI-2.4



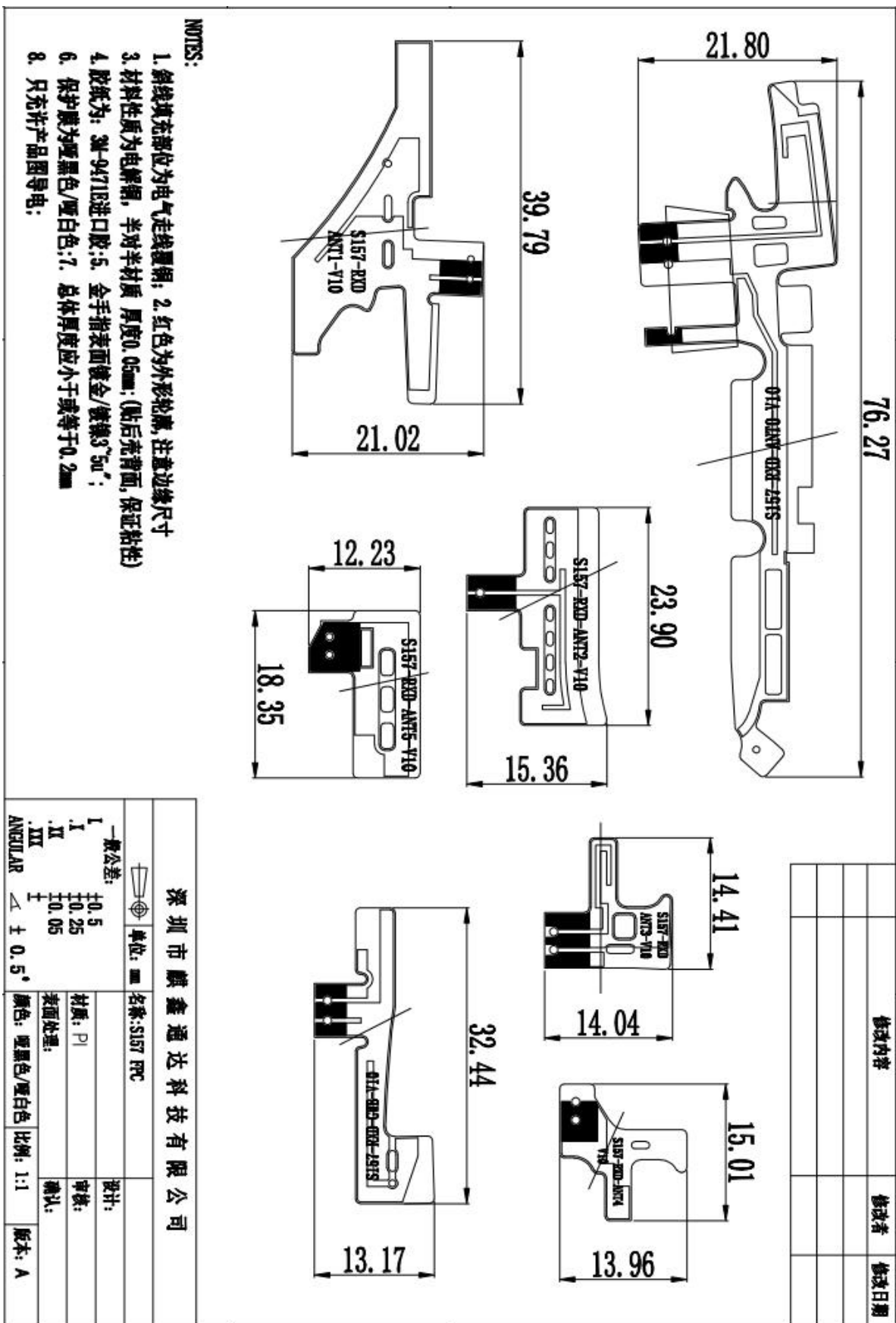
5.1G-WIFI



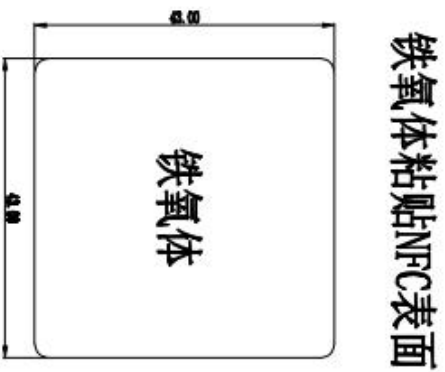
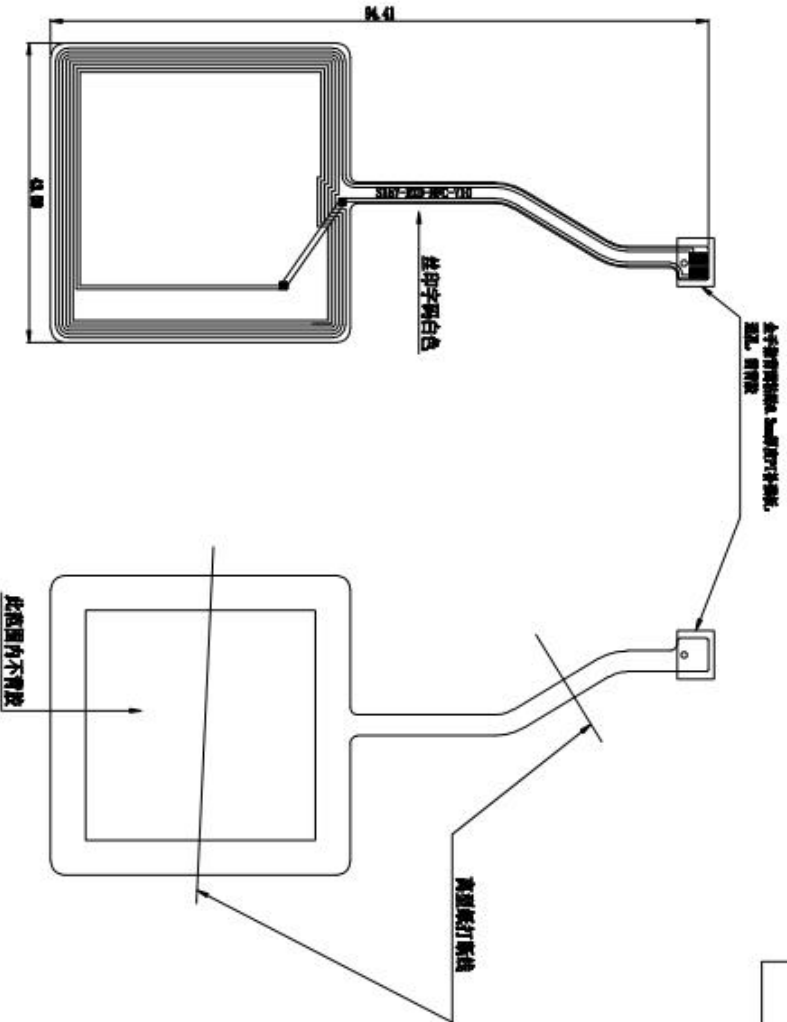
5.8G-WIFI



7 Mechanical drawing



修改内容	修改者	修改日期



铁氧体粘贴NFC表面

NOTES:

1. 铜线填充部位为电气走线覆铜; 2. 红色为外形轮廓, 注意边缘尺寸
3. 材料性质为电解铜, 半对半材质 厚度0.05mm; (贴后充背面, 保证粘性)
4. 胶纸为: 3M-9471E进口胶; 5. 金手指表面镀金/镀镍3~5u';
6. 保护膜为哑黑色/哑白色; 7. 总体厚度应小于或等于0.2mm
8. 只允许产品图导电;

深圳市麒麟通达科技有限公司			
名称: SI57-NFC	单位: mm	设计:	审核:
材料: PI	表面处理:	确认:	版本: A
颜色: 哑黑色/哑白色	比例: 1:1		

一般公差:	±0.5
I	±0.25
II	±0.05
III	±0.05
ANGULAR	±0.5°

8.Introduction to Antenna Information

S185	
Antenna type and frequency band	MAIN ANTENNA(<u>PIFA</u>):2G/3G/4G/5G DIV ANTENNA(<u>PIFA</u>):2G/3G/4G/5G GPS/WIFI/BT ANTENNA(<u>PIFA</u>):L1/2.4GWIFI/BT
Antenna materia	FPC