

Shenzhen Hiven Antenna Technology Co., Ltd

Antenna test data report

Customer: JIMI

Project: F519

Engineer: xiong (187 1893 6792)

Shenzhen Hiven Antenna Technology Co., Ltd

Address: Room 503, Building 211, Tairan Ninth Road, Tairan
Industrial Zone, Chegongmiao, Futian District, Shenzhen

1. Test Project

	Test Project	Equipment
1. S Parameter	1. Return Loss (RL) 2. VSWR	Network Analyzer: Agilent 5071B
2. RF Test (2/3/4G)	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)

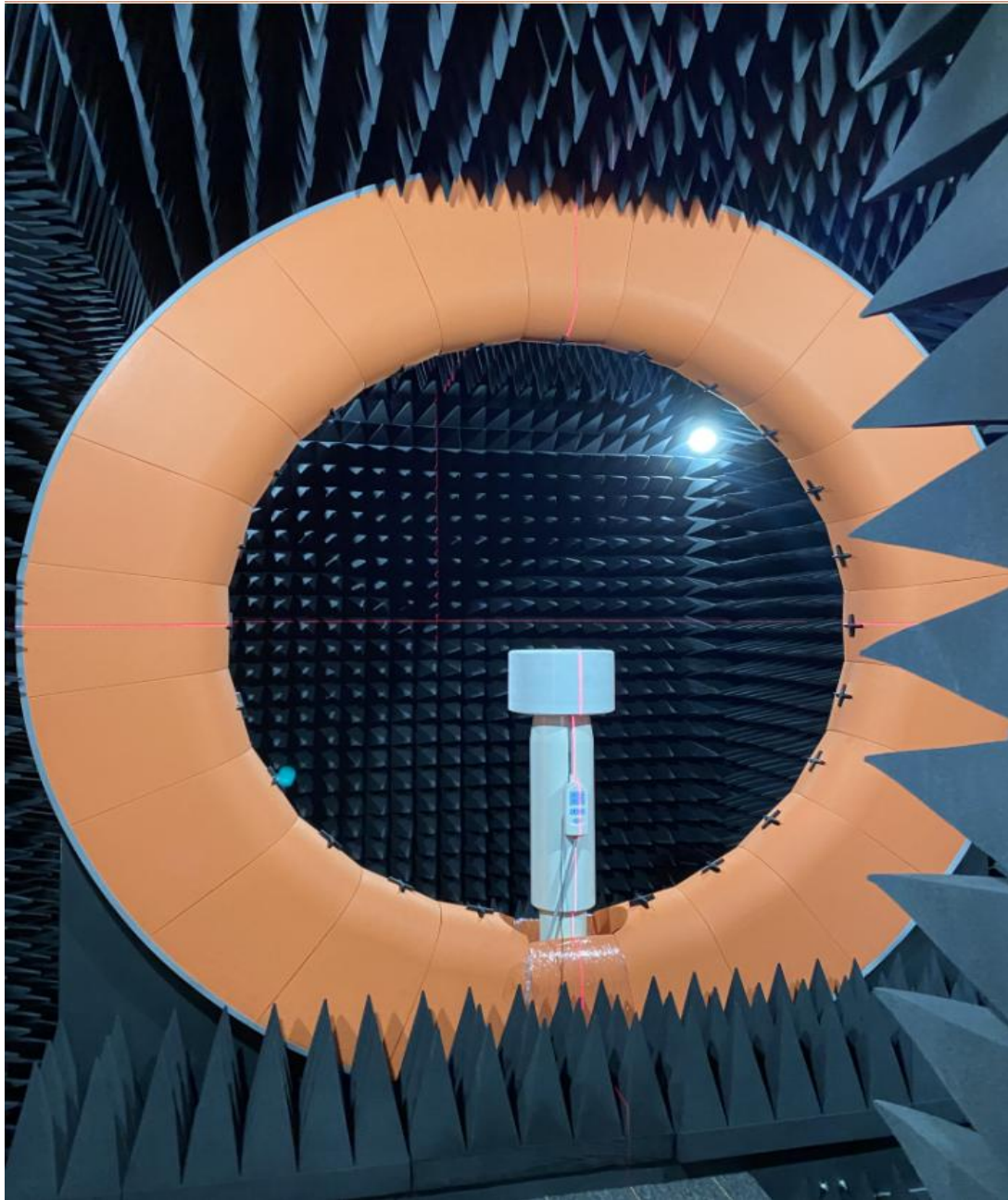


CMW 500 (2G/3G/4G Test Equipment)



SP9500 (5G Test Equipment)

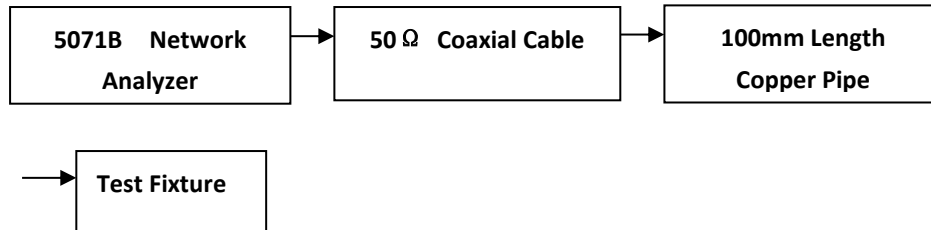
3. TestEnvironment



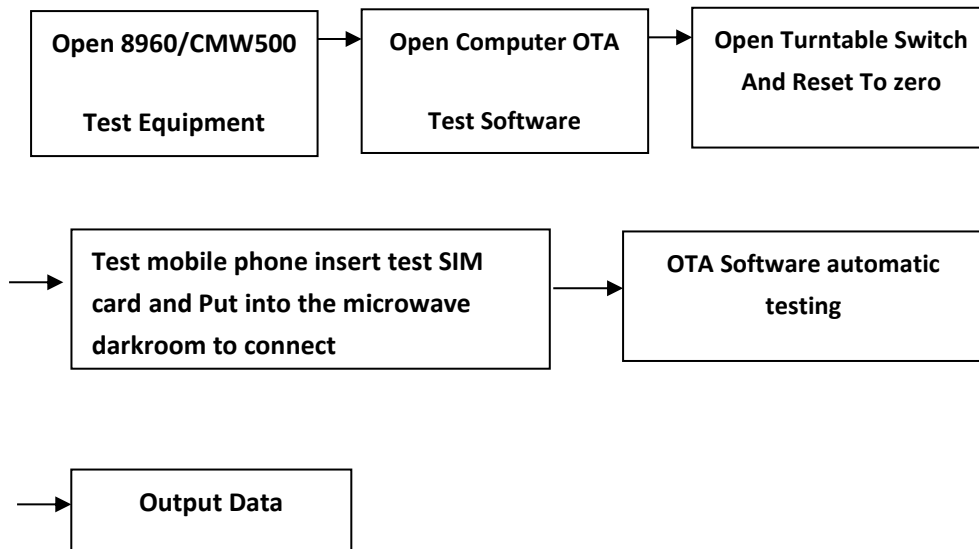
Microwave Anechoic Chamber

4.Test Steps

Passive VSWR/RL Test Steps:



Active TRP/TIS Test Steps:



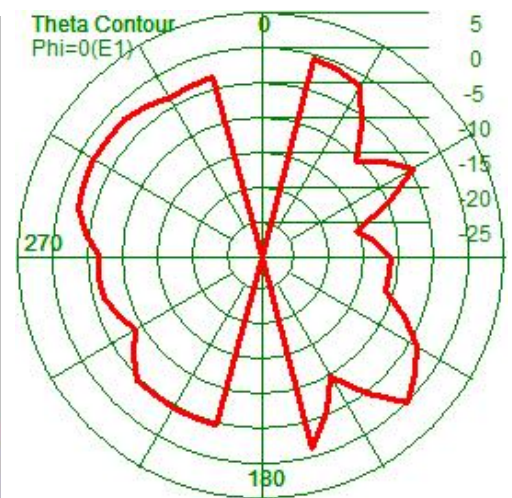
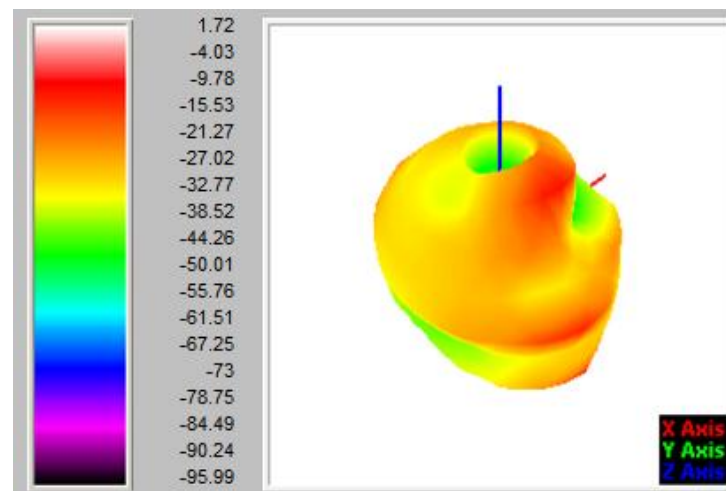
5. Antenna Gain

Band	Max Gain	Band	Max Gain
LTE-B2	0.37	WCDMA-B2	0.37
LTE-B4	0.41	WCDMA-B4	0.41
LTE-B5	-1.15	WCDMA-B5	-1.15
LTE-B7	0.23	GSM 850	-1.15
LTE-B12	-1.52	PCS 1900	0.37
LTE-B13	-1.45		
LTE-B17	-1.52		
LTE-B66	0.41		
WIFI-2.4G	1.72		

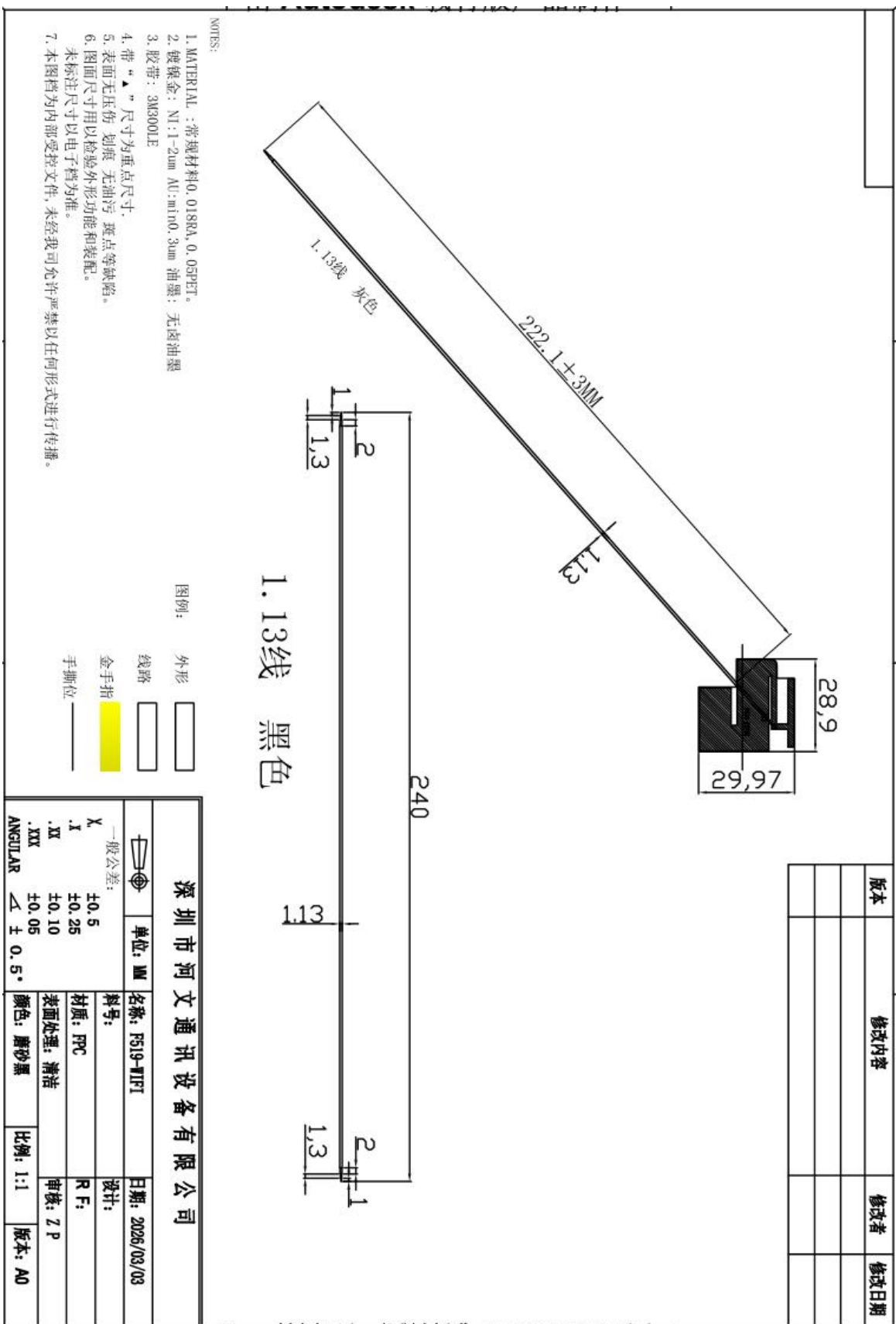
6.3D Lobe Diagram

Frequency Range:2402MHz~2480MHz

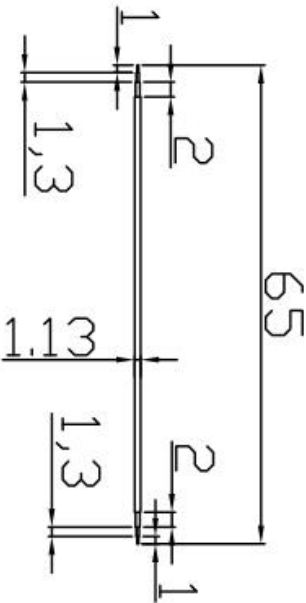
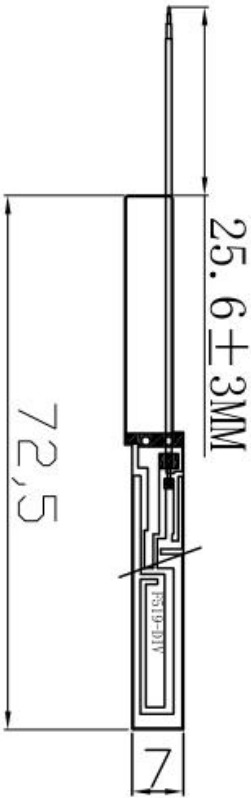
BT/2.4G-WIFI



Mechanical drawi



版本	修改内容	修改者	修改日期



1.13线 黑色

NOTES:

1. MATERIAL : 常规材料0.018RA, 0.05PET。
 2. 电镀金: NI:1-2um AU:ni10, 3um 油墨: 无卤油墨
 3. 胶带: 3M300LE
 4. 带“▲”尺寸为重点尺寸。
 5. 表面无压伤 划痕 无油污 斑点等缺陷。
 6. 图面尺寸用以检验外形功能和装配。
 7. 未标注尺寸以电子档为准。
7. 本图档为内部受控文件, 未经我司允许严禁以任何形式进行传播。

图例:

外形	
线路	
金手指	
手撕位	

深圳市河文通讯设备有限公司				
	单位: MM	名称: F519-FPC	日期: 2026/03/03	
一般公差:	料号:	设计:		
X. ±0.5	材质: FPC	R F:		
.I. ±0.25	表面处理: 清洁	审核: Z P		
.XI. ±0.10	颜色: 磨砂黑	比例: 1:1	版本: A0	
.XIX. ±0.05				
ANGULAR	± 0.5°			

8.Introduction to Antenna Information

BD01	
Antenna type and frequency band	MAIN ANTENNA(<u>PIFA</u>):4G DIV ANTENNA(<u>PIFA</u>):4G GPS/WIFI/BT ANTENNA(<u>PIFA</u>):2.4G-5.1-5.8WIFI /BT
Antenna materia	FPC
Antenna Type	Internal Antenna