

深圳有力科技有限公司

ShenZhen Powerful Technology CO., Limited

規 格 书

SPECIFICATION FOR APPROVAL

客 户

CUSTOMER:

客 户 料 号

CUSTOMER NO:

品 名

PART NAME:

供 方 料 号

SUPPLIER NO:

JACS

GPS天线：FPC黑色/加补强0.1mm/2代端子/0.81黑线 L=40MM/贴导电布/接地面镀金

YL1653-GPS-V3-L40

日期 Date: 2024.10.31

客户确认 CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

供方确认 SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
赵旋旋	陈娜	张洋

实验室测试环境及设备



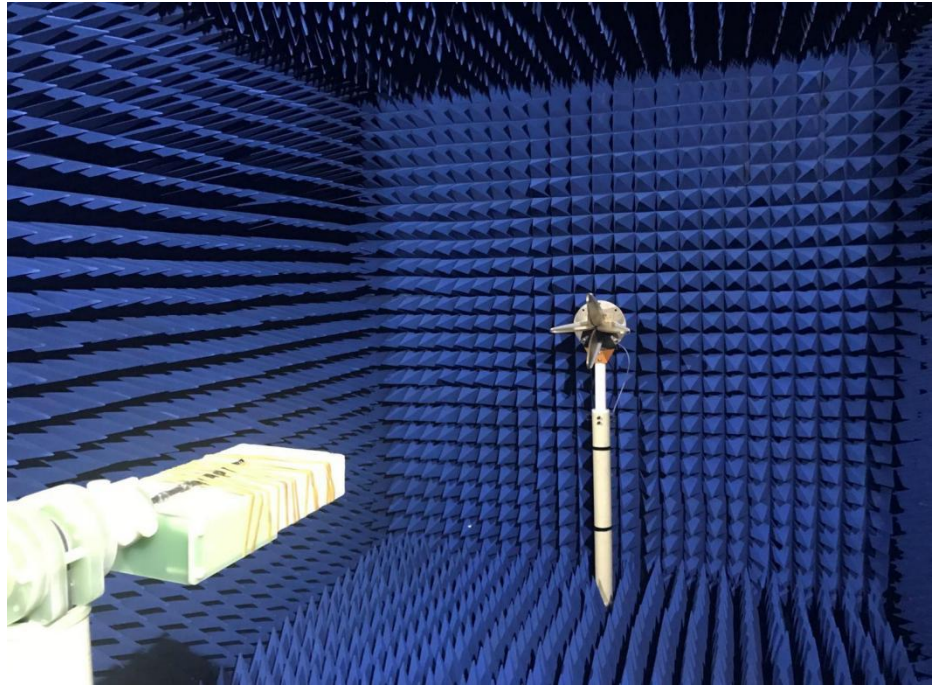
CMW500



E5071B



Aglient 8960



测试项目 (Test Project) : S11、S12 、VSWR 、Efficiency、Gain 3D Radiation Pattern 、TRP、TIS

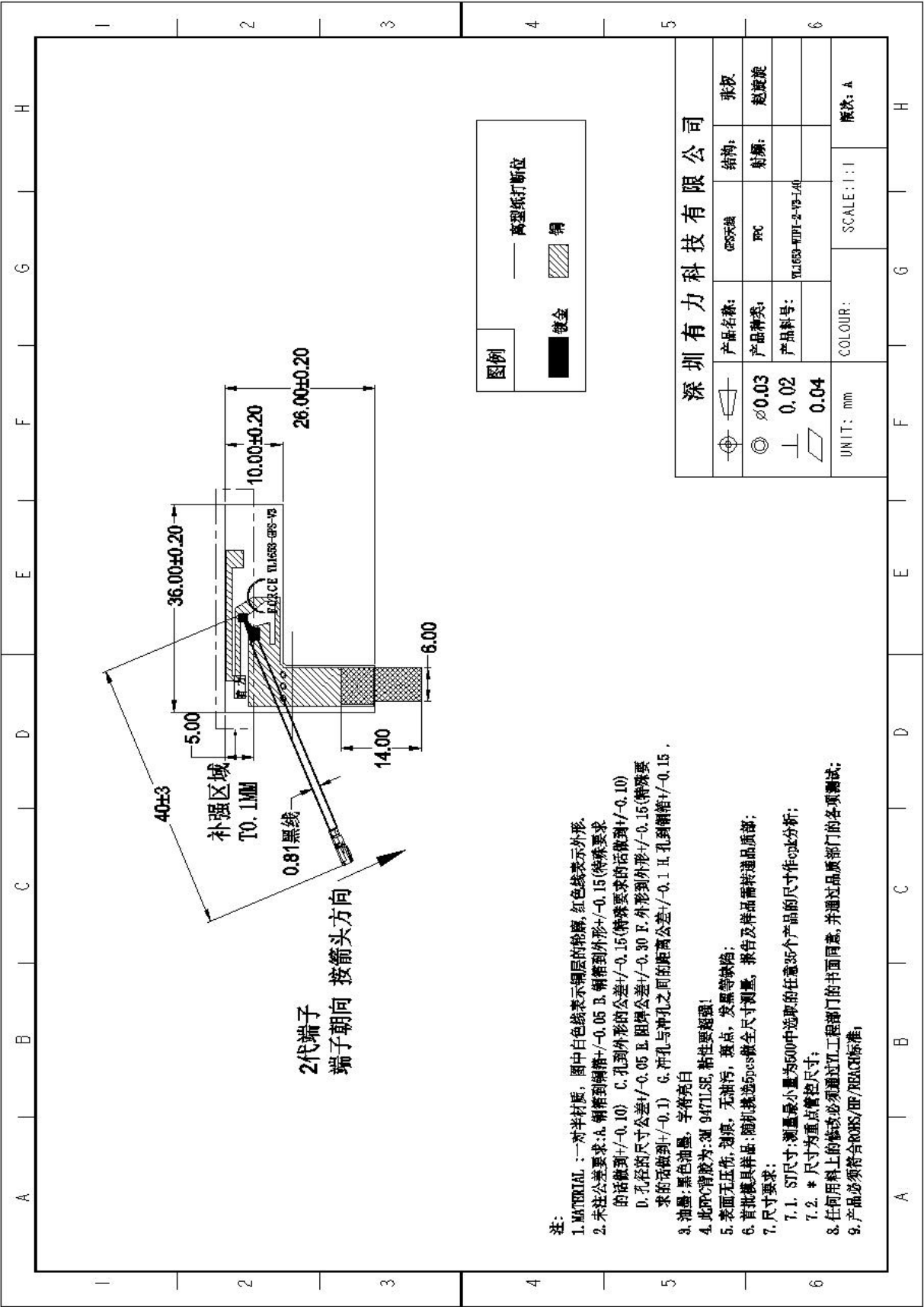
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1.工程图纸（Mechanical Drawing）



2.技术指标（Technical Index）

频率范围 Frequency Range （MHz）	1575.42MHz
天线增益 Antenna gain（dBi）	1575.42MHz MAX 2.18 dBi
天线形式	PIFA
天线方向 Antenna direction	全向
驻波比 VSWR/50 Ohms	≤2.0
输入阻抗 Impedance	50 Ω
接头 Termination	2代端子 0.81黑线 L=40mm
工作温度 （℃）	-30~+75

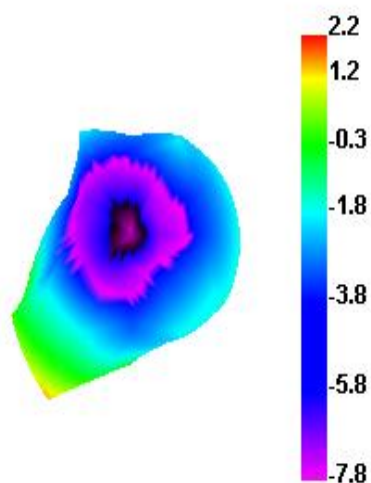
3. 天线测试数据（Antenna test data）

3-1 无源效率/增益

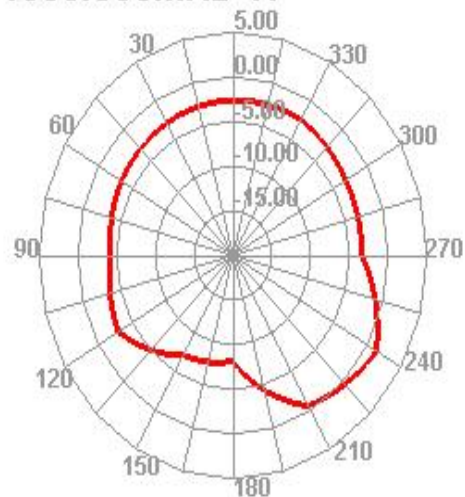
Passive Test For GPS		
Freq	Effi	Gain
(MHz)	(%)	(dBi)
1555	44.13	2.18
1565	44.21	2.03
1575	44.17	1.74
1585	43.74	1.37
1595	42.81	1.05

3-2 方向图

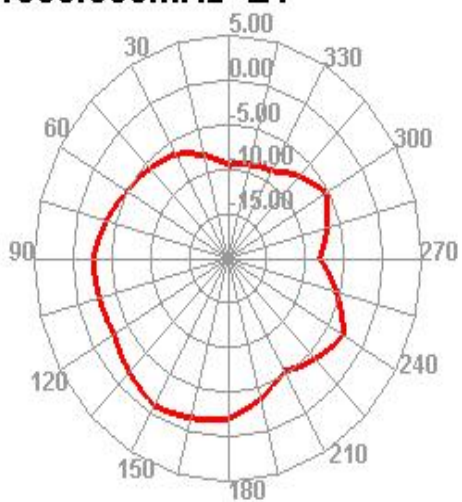
1555.000MHz



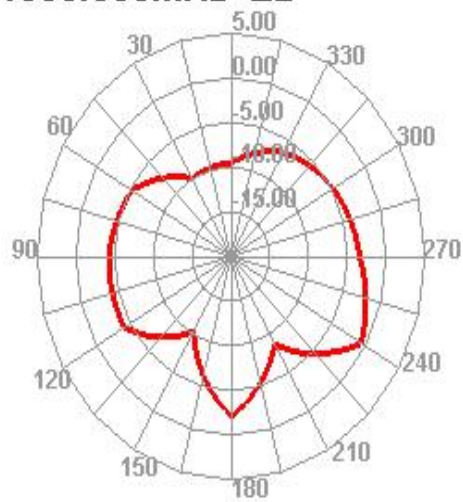
1555.000MHz H



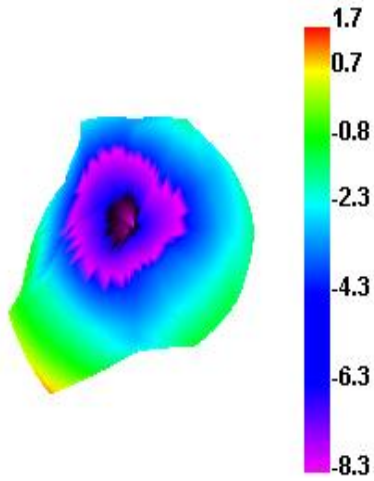
1555.000MHz E1



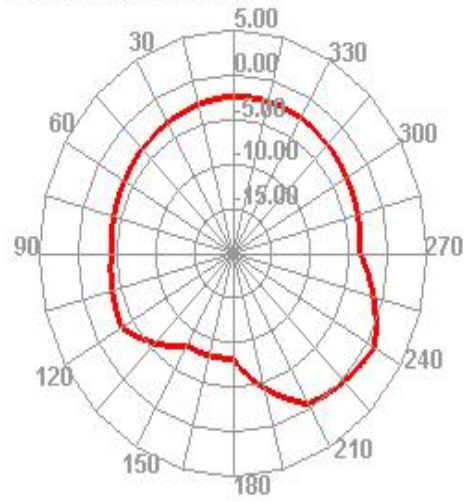
1555.000MHz E2



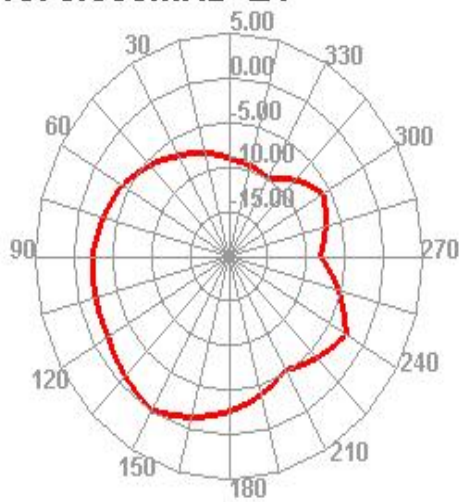
1575.000MHz



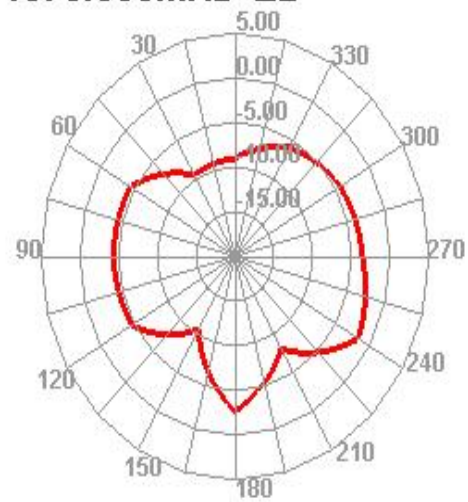
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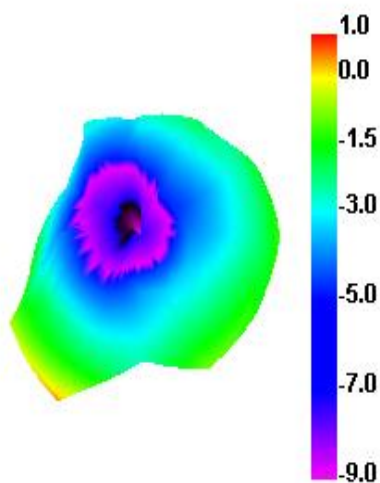
1575.000MHz E1



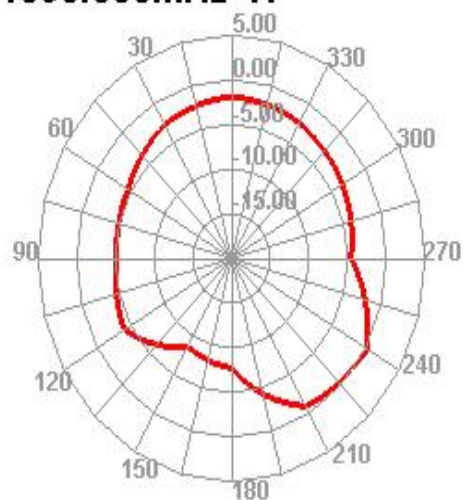
1575.000MHz E2



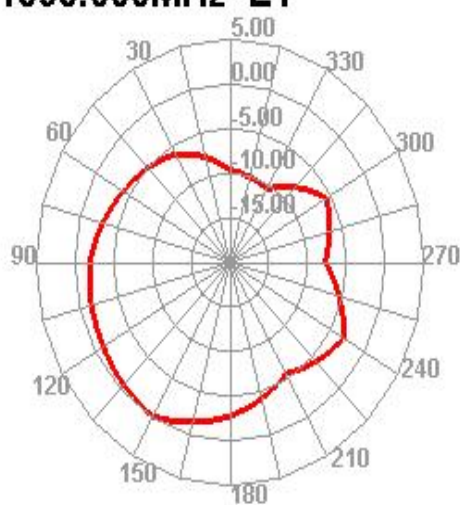
1595.000MHz



1595.000MHz H



1595.000MHz E1



1595.000MHz E2

