



江海波

Shenzhen DEWEIMA Communication Equipment Co.Ltd

SPECIFICATION SHEET FOR APPROVAL

CUSTOMER NAME (客户名称)	ShenZhen FLYSKY Technology Co.,Ltd
CUSTOMER P/N (客户料号)	
PART NAME (品 名)	2.4 G antenna
DWM P/N (料 号)	
APPROVAL REV. 版次	DWM-V1.0

CONTRACTOR			DATE: 2022.8.3
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

CUSTOMER		DATE:
Approved By	Checked By	Prepared By



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1. Product Application/产品应用

This antenna product is used for the transmission of 2400~2500MHz signals.
该天线产品用于 2400~2500MHz 信号的传输。

2. The test environment, equipment/测试环境、设备

Item 项目	Description 项目描述	Test Condition/测试条件	Requirement /规格要求
2.1	Passive testing /无源测试	<p>The VSWR measurement devices are connected in sequence: Agilent5071B Network Analyzer → measurement Cable → Customer-providing Devices. (VSWR 测量装置依次连接：网络分析仪测量电缆 agilent5071B→→客户提供终端。)</p>	<p>Standing wave ratio 驻波比： 2400~2500MHz<3.0 impedance 阻抗： 50 oh</p>
		Test equipment/测试设备	
			
Item 项目	Description 项目描述	Test Condition/测试条件	Requirement /规格要求
2.2	增益及 效率测试	<p>Follow picture shows the measurement condition of the antenna been put on the measurement device, which is used for all measurement of electric performances. (以下图片显示的天线的测量条件被放在测量装置，它是用于所有的测量电性能。)</p>	<p>Antenna gain 天线增益： 2400~2500MHz:3.0dBi±1.0dBi Antenna efficiency 天线效率： 2400~2500MHz>60%</p>



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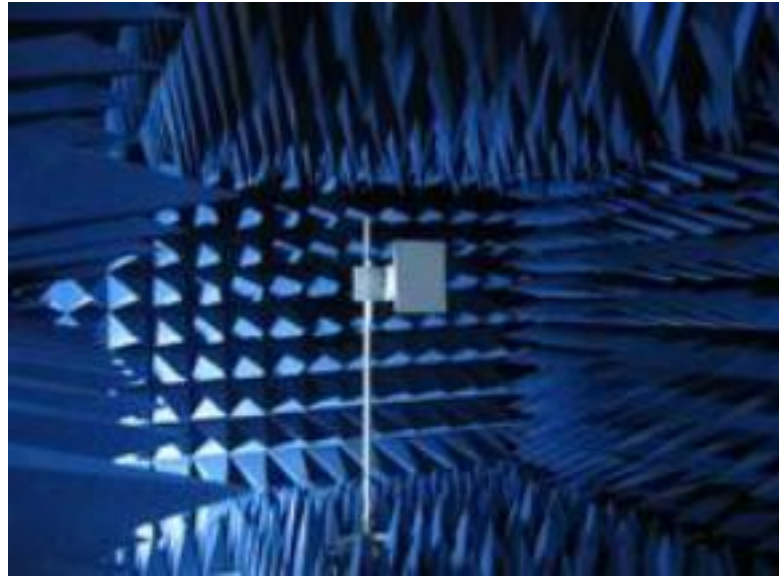
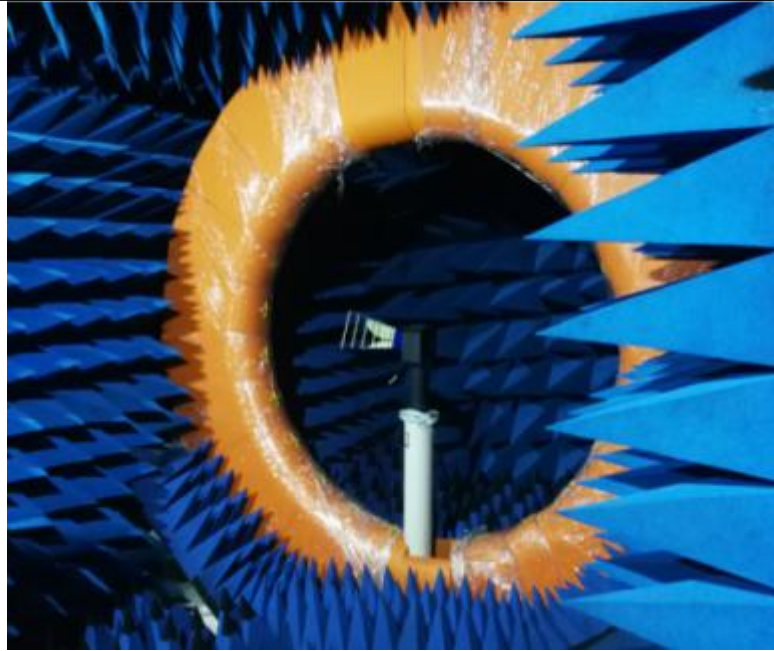
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Test equipment/测试设备

2.3

Microwave
Anechoic
(Satimo&ETS
)
/微波暗室





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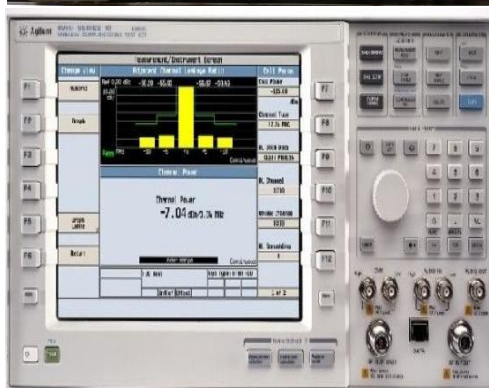
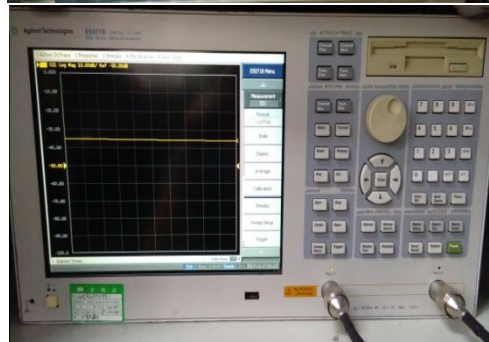
CMW500

Agilent5071B

2.4

AgilentE4405B

Agilent8960





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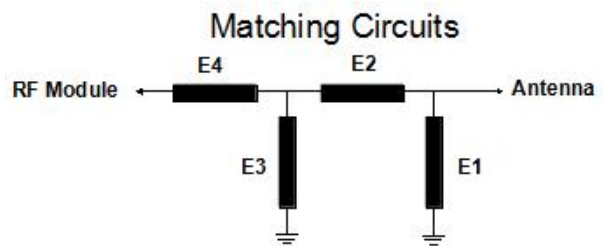
3. Technology Parameters/技术参数

Frequency Range/频率范围: 2400-2500MHz
 Operating Humidity/工作湿度: 85% R.H.MAX
 Temperature Rating/温度范围: -40°C ~ +85°C

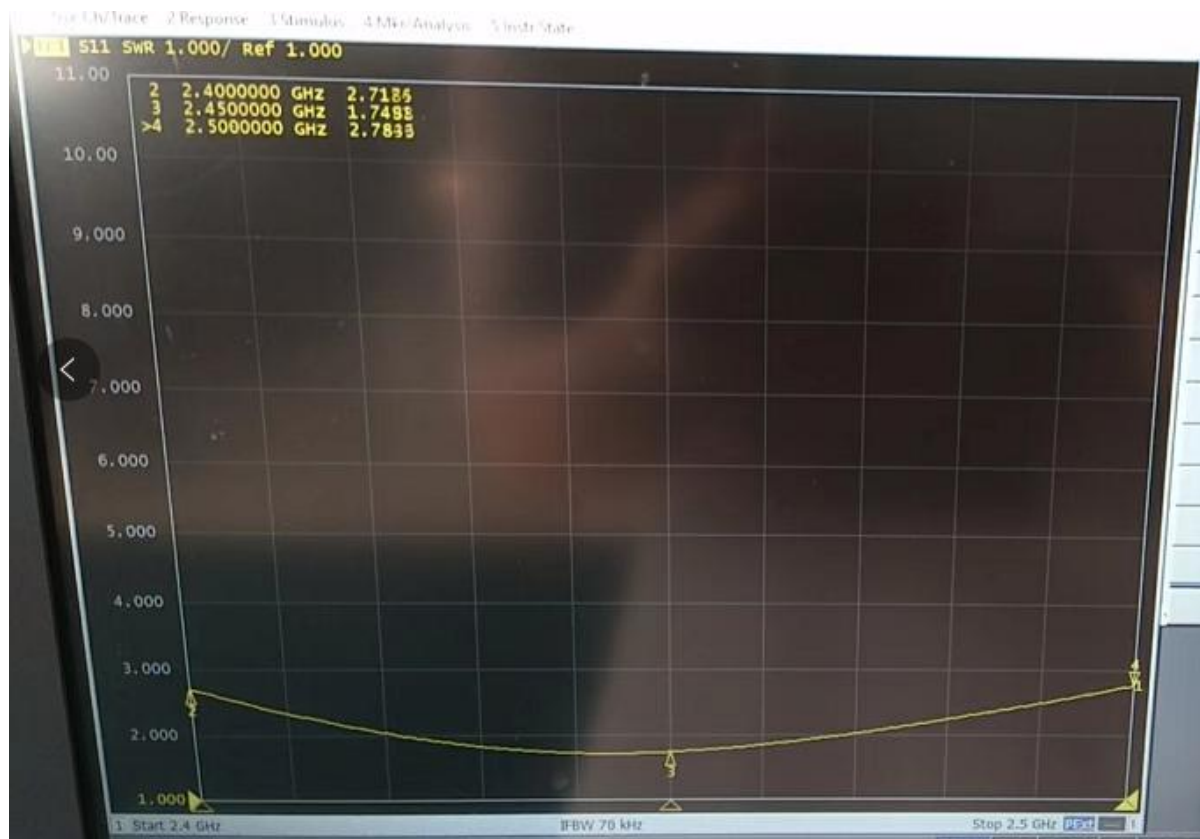
3.1 The matching test value/调试匹配值

我司没有对天线的匹配电路做调试

Element	Value
E1(0402)	
E2(0402)	
E3(0402)	
E4(0402)	



3.2 VSWR/驻波比:





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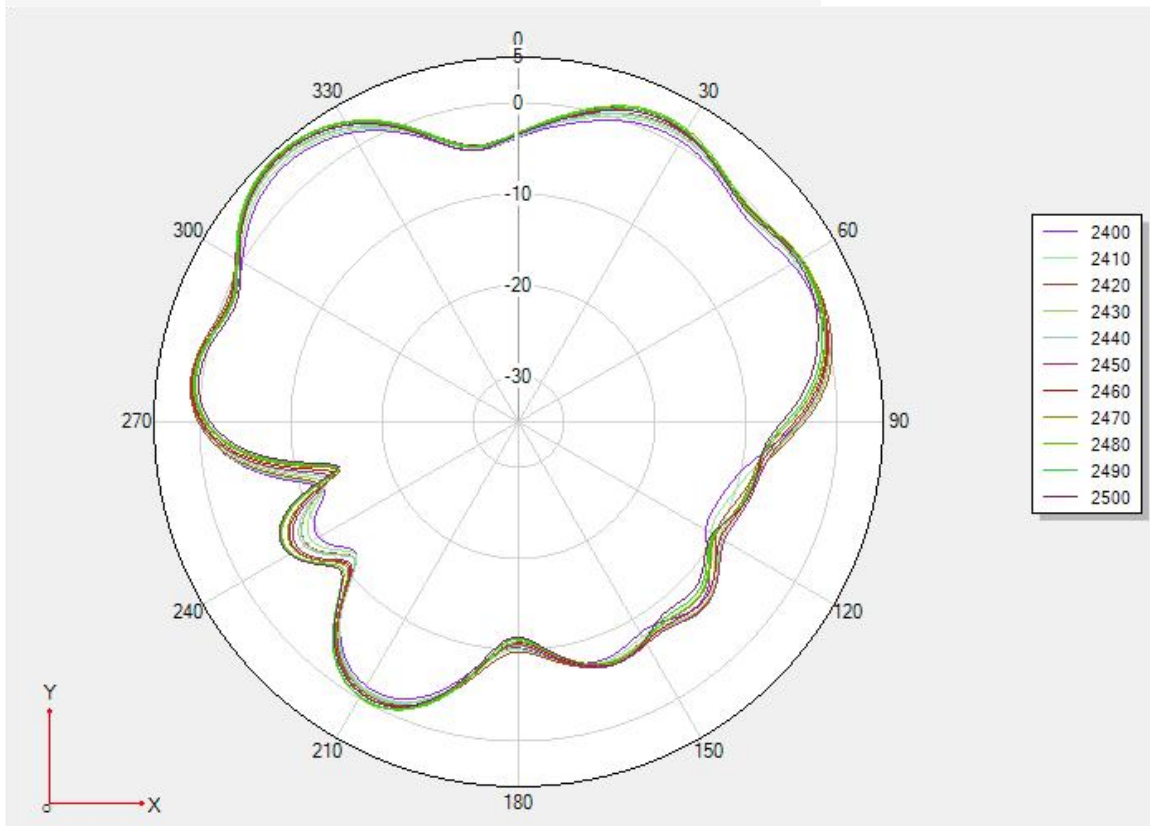
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3.3. Efficiency And Gain/效率和增益

Frequency	Gain/ dBi
2400	2.48
2410	2.64
2420	2.68
2430	2.51
2440	2.4
2450	2.63
2460	2.69
2470	2.69
2480	3.16
2490	3.14
2500	2.89

4.E 1 direction diagram/E 1 面方向图





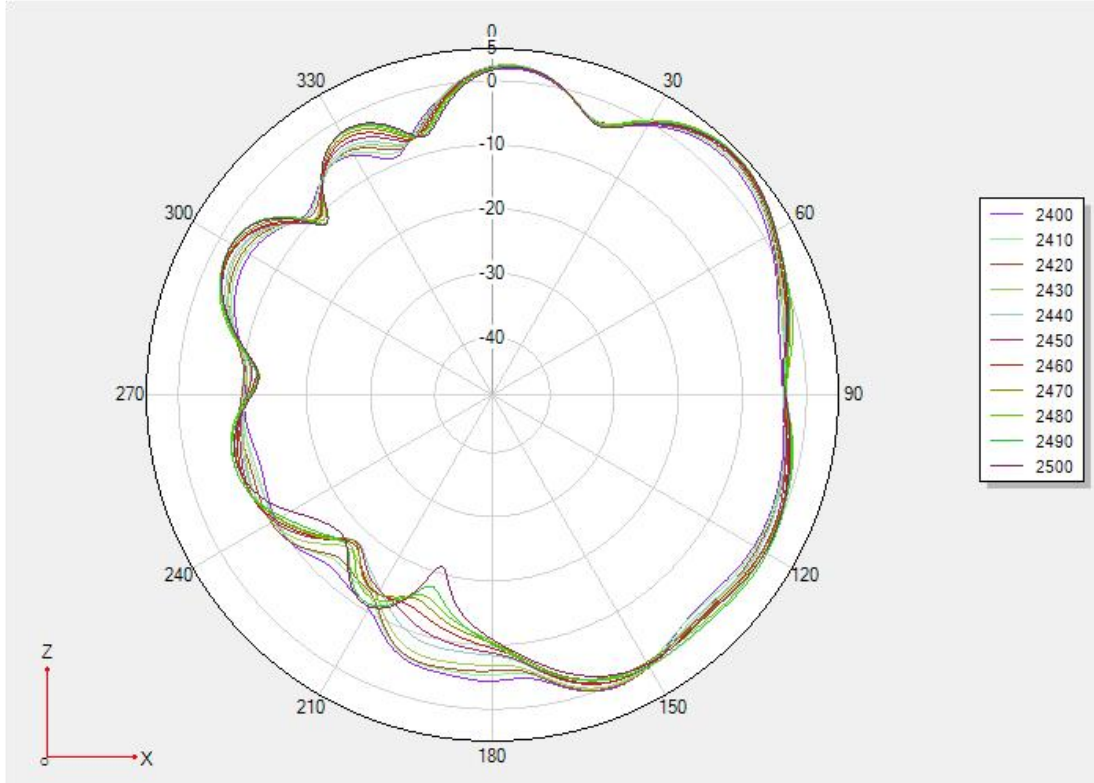
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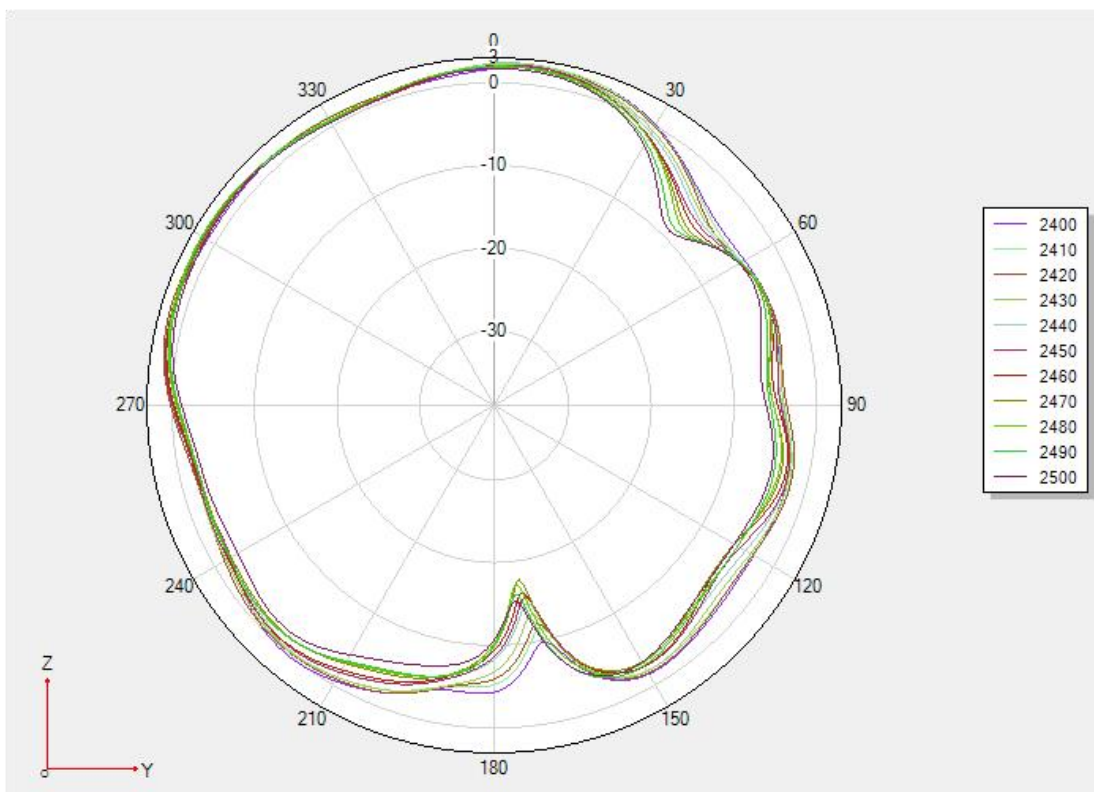
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5.E 2 direction diagram/E 2 面方向图



5.E 3 direction diagram/E 3 面方向图





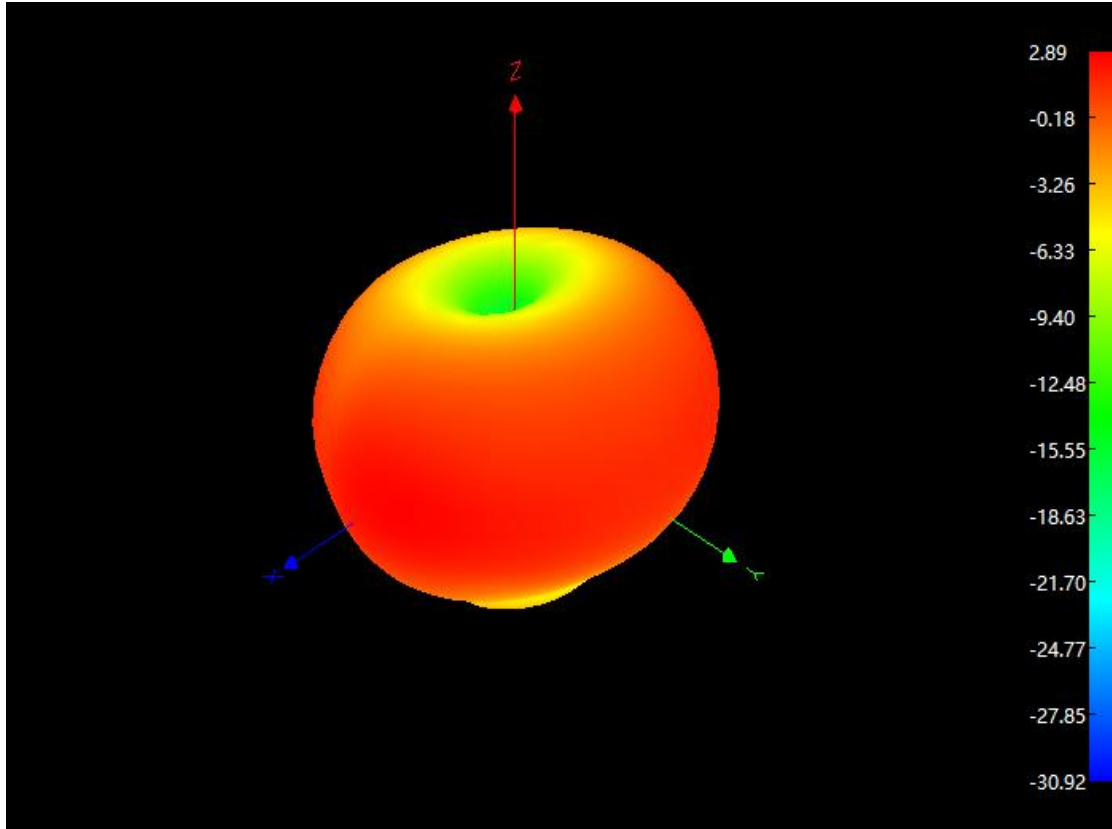
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3D 方向图 (3D Pattern)





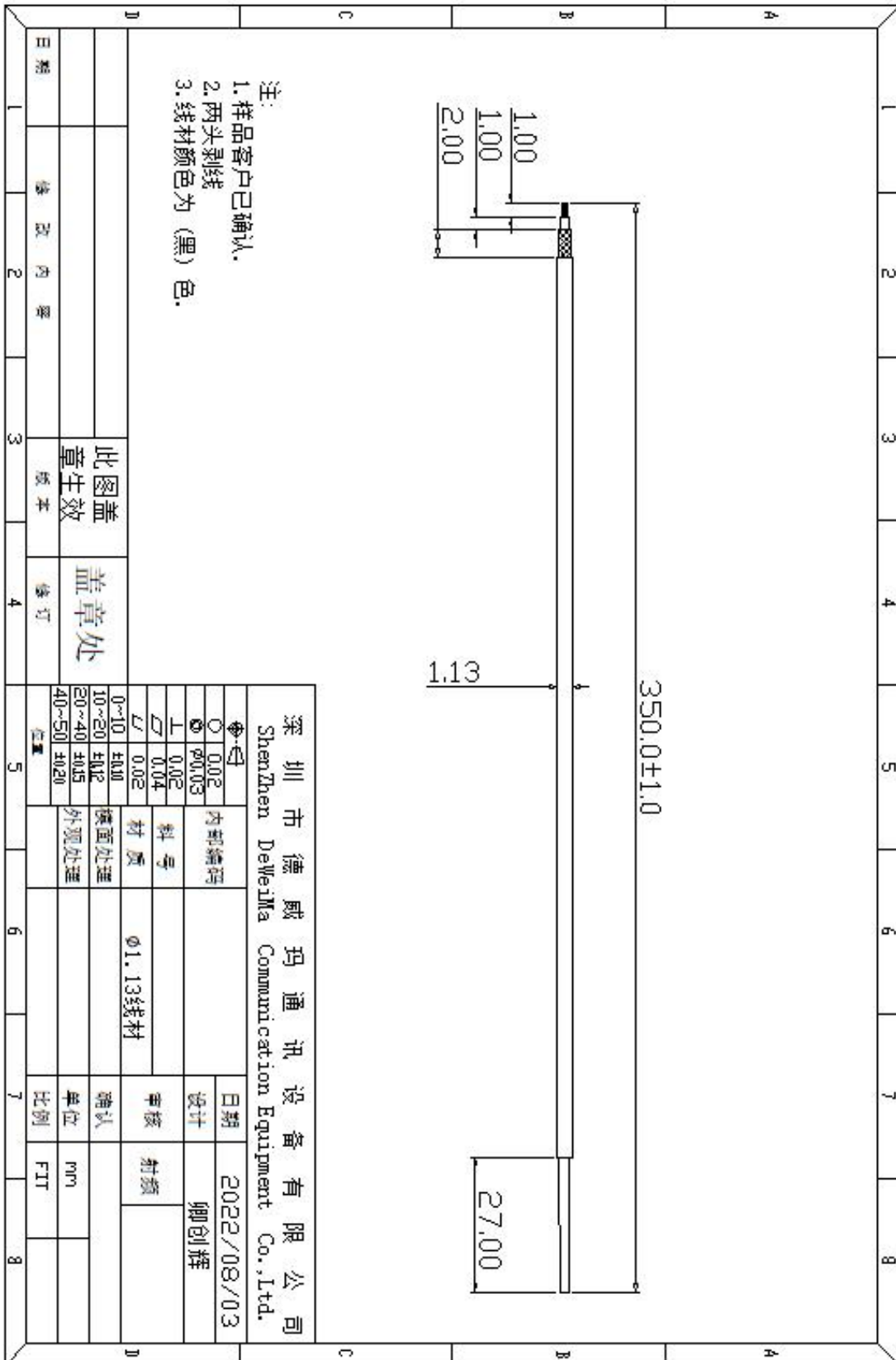
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6. Antenna Engineer drawing/工程图纸



- 注:
- 1.样品客户已确认.
 - 2.两头剥线
 - 3.线材颜色为(黑)色.

日期	修改内容	版本	修订
		此图盖章生效	盖章处

深圳市德威玛通讯设备有限公司 ShenZhen DeWeiMa Communication Equipment Co., Ltd.	
内部编码	日期
01 0.02	2022/08/03
02 0.03	设计
03 0.02	柳剑辉
04 0.04	审核
05 0.02	射频
06 0.02	确认
07 0.02	单位
08 0.02	mm
09 0.02	比例
10 0.02	1:1



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7.Environmental Performance/环境性能

Item 项目	Description 项目描述	Test Condition 测试条件	Requirement 规格要求
5.1	High and low temperature test 高低温测试	Temp.: -40 °C Time: 48 hours Temp.: 85°C Time: 48 hours	1. No visible damage. (无可见损伤) 2. The electric performances reach the standard. (电气性能达标)
Item 项目	Description 项目描述	Test Condition 测试条件	Requirement 规格要求
5.2	Salt Spray 盐雾测试	5±0.1% Nad salt fog PH Value: 6.5-7.2 Temp: 35±1°C Time:24 hours	1. No color change. (无颜色变化) 2. the appearance of the antenna does not flake off. (天线无外观脱落)

6.Usage Precaution/使用禁忌或注意事项

No	Items 项目	Matter 事项
6.1	Precautions 禁忌	a)Please avoid the cleaning of this product a)请避免清洁此产品
No	Items 项目	Matter 事项
6.2	Stockpile condition 存储条件	Use this product within 6 months after receipt Condition : Temp: 5~30°C Humidity:≤70% 有效期: 请在产品接收后的 6 个月内使用 存储环境: 温度:5~30°C; 湿度:≤70%

5. 包装方式

袋装出货