

Antenna Test report

客户名称:
**Customer
Name**

恒茂

天线类型:
**Antenna
type**

2.4G/5G Antenna

天线厂家:
Manufacturer

Dongguan RF Electronic Technology Co., Ltd

审 核:

宋俊

2022 年 5 月 14 日

批 准:

姚定军

2022 年 5 月 14 日

Manufactuer: Dongguan RF Electronic Technology Co., Ltd
Address: No.1, Sankeng Industrial Zone, Qinghutou, Tangxia
Town, Dongguan City
RF P/N: U00T03S000N01457, U00T03S000N01458

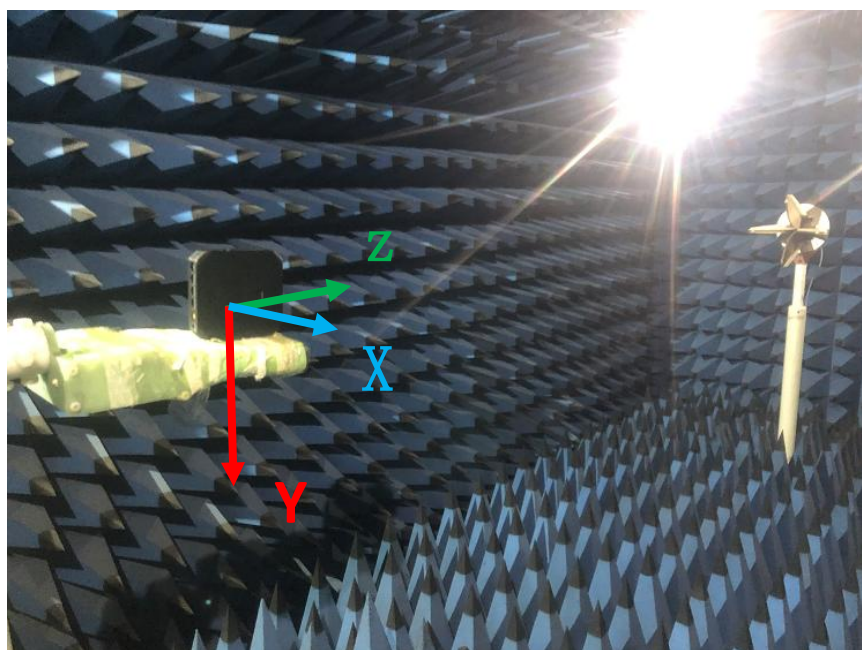
1 基本描述

General Description

1.1 测试环境描述

Test Environment Description

项目	配置	备注 Remark
实验室名称	仁丰实验室 RF Lab	
暗室系统	ETS 6*3*3	
测试仪表	E5071C	
相对坐标	见附件图片 See attached pictures	
无源测试点	见附件图片 See attached pictures	



相对坐标说明图
Coordinate map

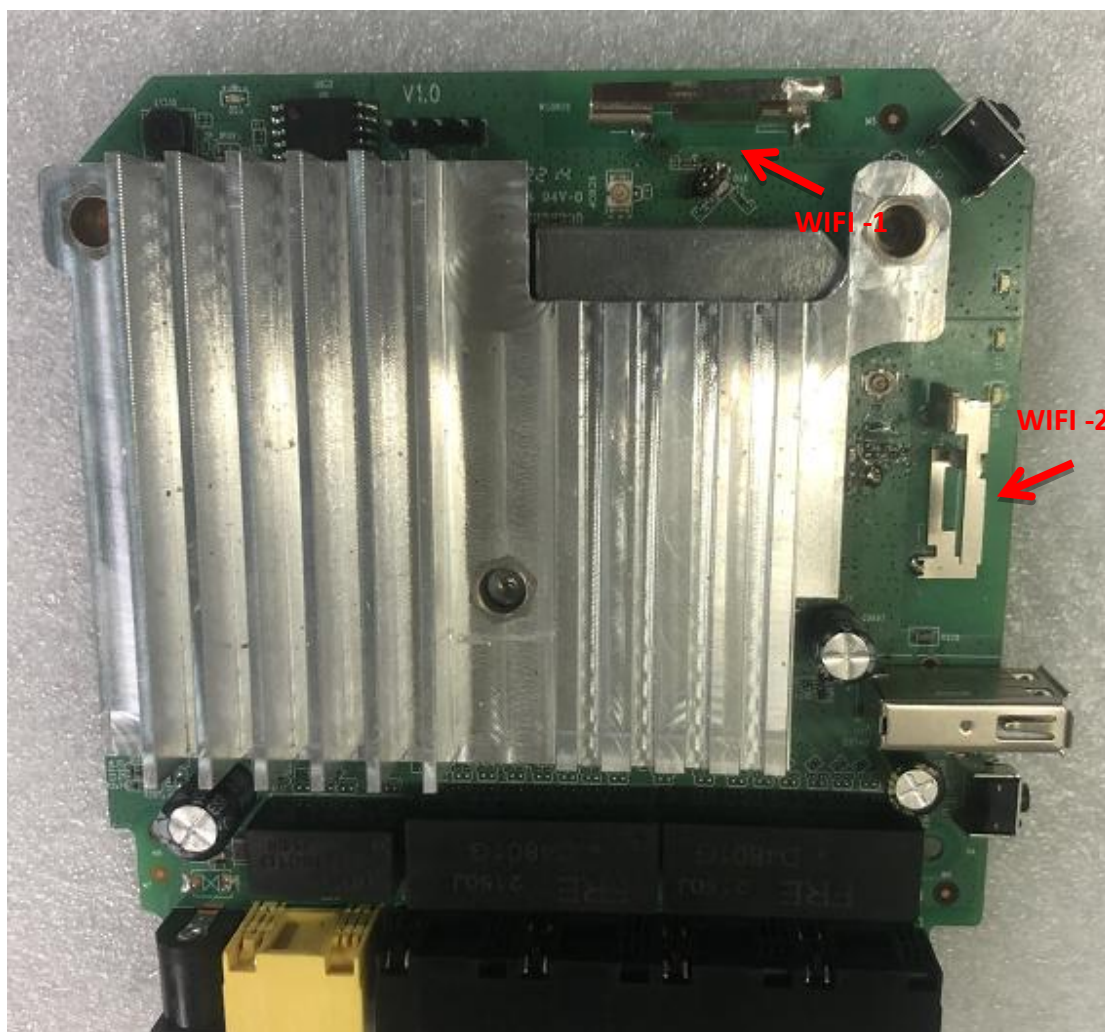
H : XY

E1 : XZ

E2 : YZ

1.2 待测设备基本描述

Equipment Basic Description



各天线相对位置说明

Description of the relative position of each antenna

1.3 待测天线基本描述

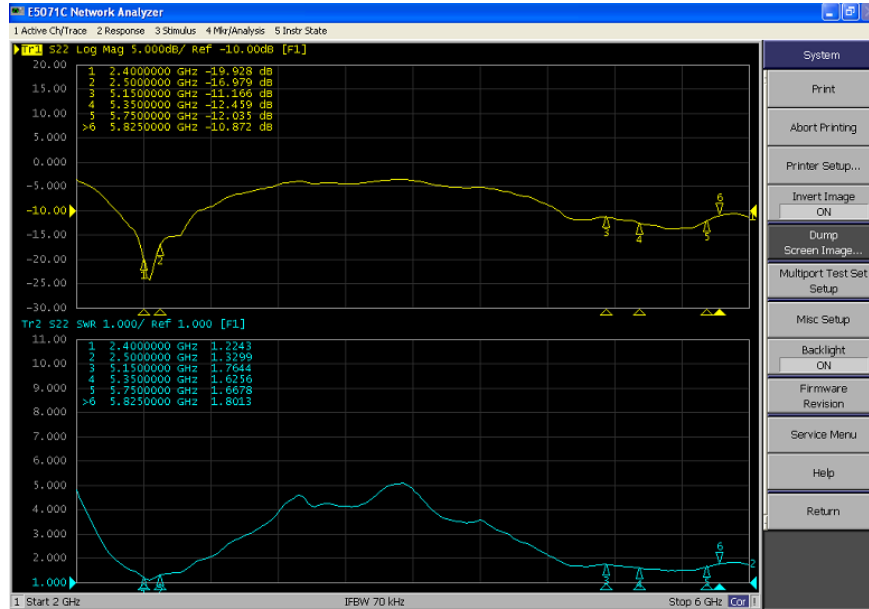
天线名称	pattern	形式	线长	备注
WIFI-1	<i>Pifa</i>	五金	Metal parts	见附图
WIFI-2	<i>Pifa</i>	五金		见附图
				See attached figure

2 天线无源网分测试

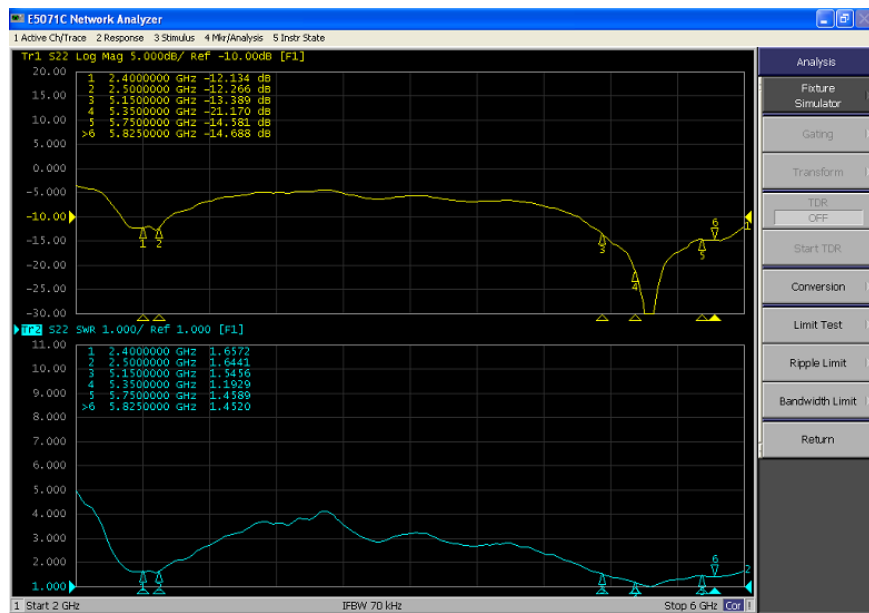
Antenna passive test

2.1 工作频率、回波损耗及 VSWR Operating frequency, return loss and VSWR

WiFi-1

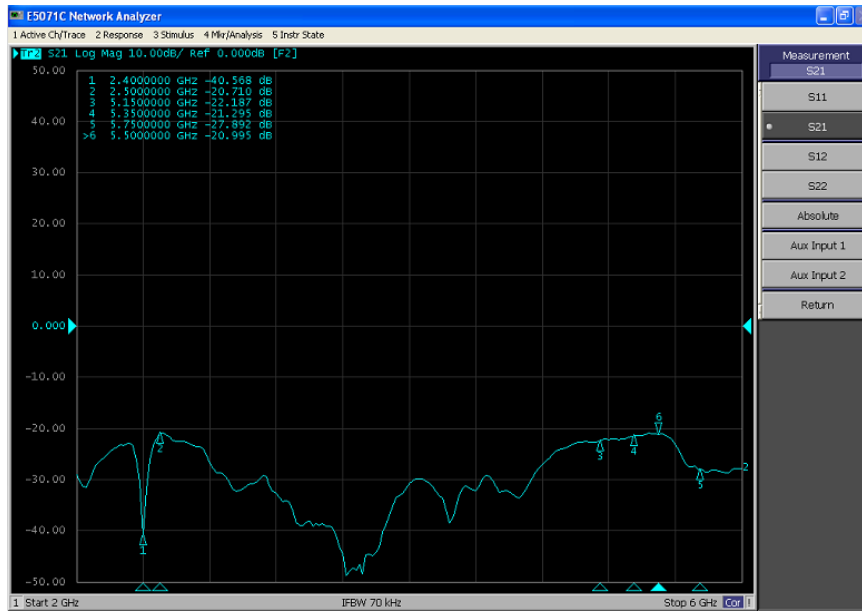


WiFi-2



2.2 Isolation

WIFI -1& WIFI -2

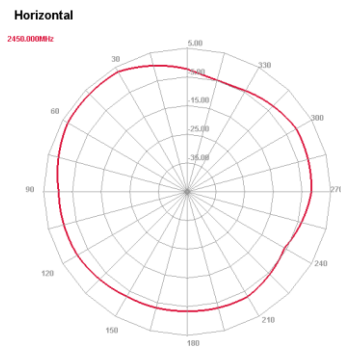


3 暗室测试 Darkroom test

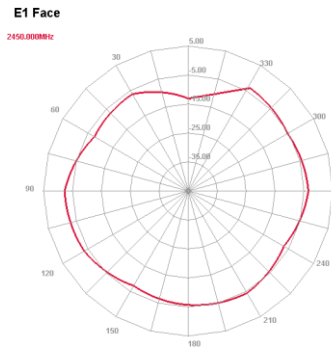
3.1 2D 场型图 2D Photo

WiFi-1_2.45G

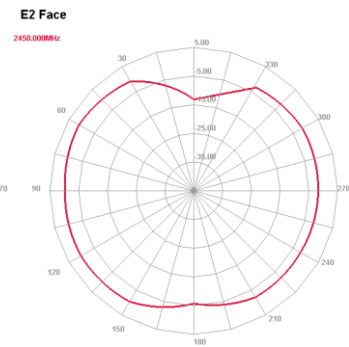
XY 面



XZ 面

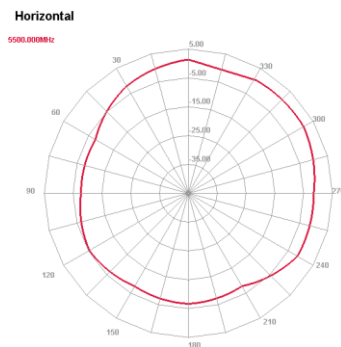


YZ 面

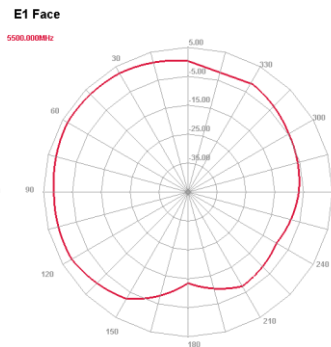


WiFi-1_5.5G

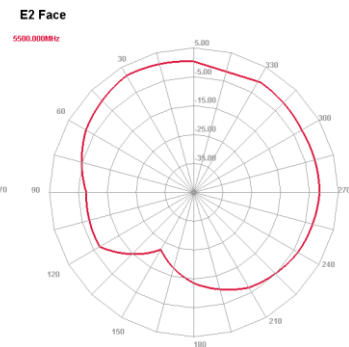
XY 面



XZ 面

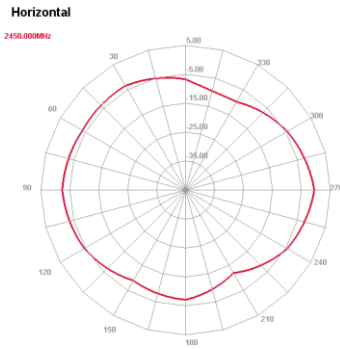


YZ 面

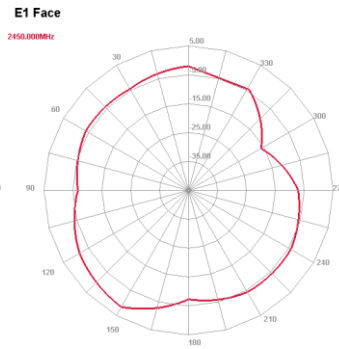


WiFi-2_2.45G

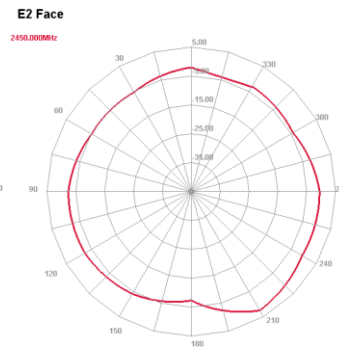
XY 面



XZ 面

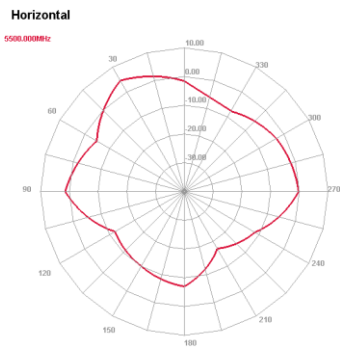


YZ 面

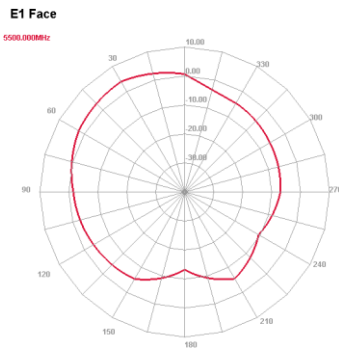


WiFi-2_5.5G

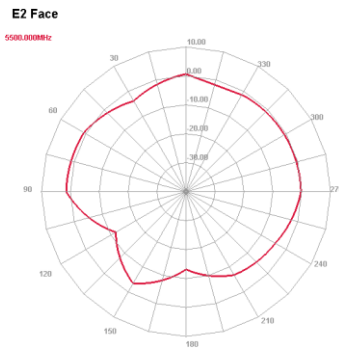
XY 面



XZ 面



YZ 面

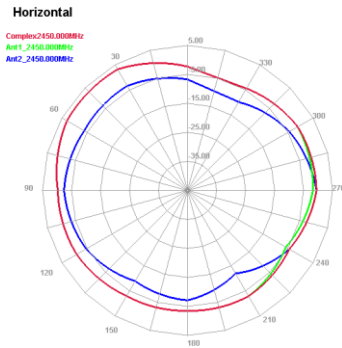


3.2 天线 2D 合并场型图

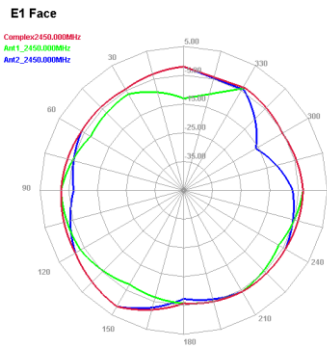
Antenna 2D merged field type diagram

WiFi-1 & WiFi-2_2.45G

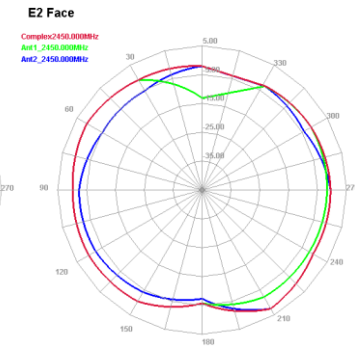
XY 面



XZ 面

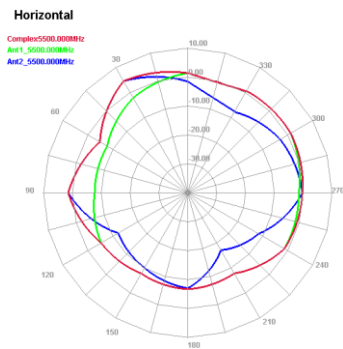


YZ 面

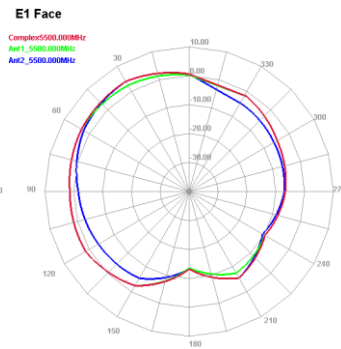


WiFi-1 & WiFi-2_5.50G

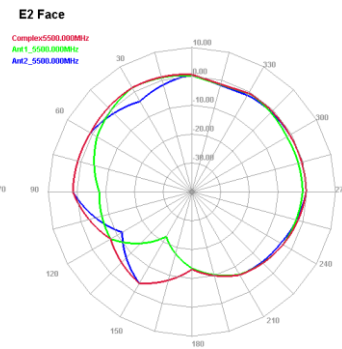
XY 面



XZ 面



YZ 面



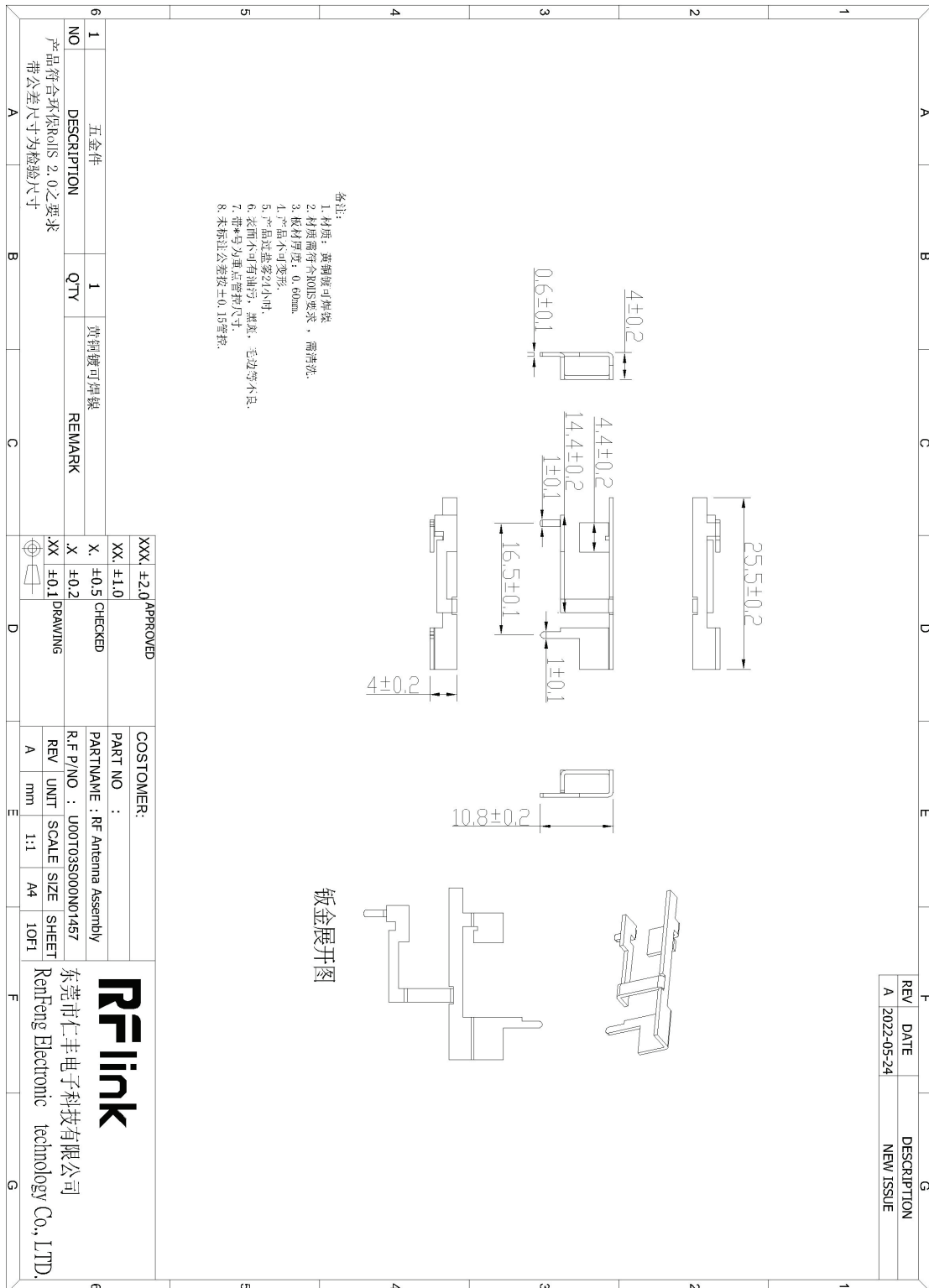
4 天线增益与效率

Antenna Gain & Efficiency

WiFi-1		
频率 (MHZ)	增益 (dBi)	效率 (%)
2400	3.22	65.64
2450	3.38	67.85
2500	3.37	64.41
5150	3.86	60.06
5500	4.08	64.89
5850	4.12	65.98

WiFi-2		
频率 (MHZ)	增益 (dBi)	效率 (%)
2400	3.35	59.97
2450	3.32	58.07
2500	3.1	56.08
5150	4.02	61.78
5500	4.88	65.74
5850	4.73	64.2

三、成品图: U00T03S000N01457



三、成品图：U00T03S000N01458

