

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

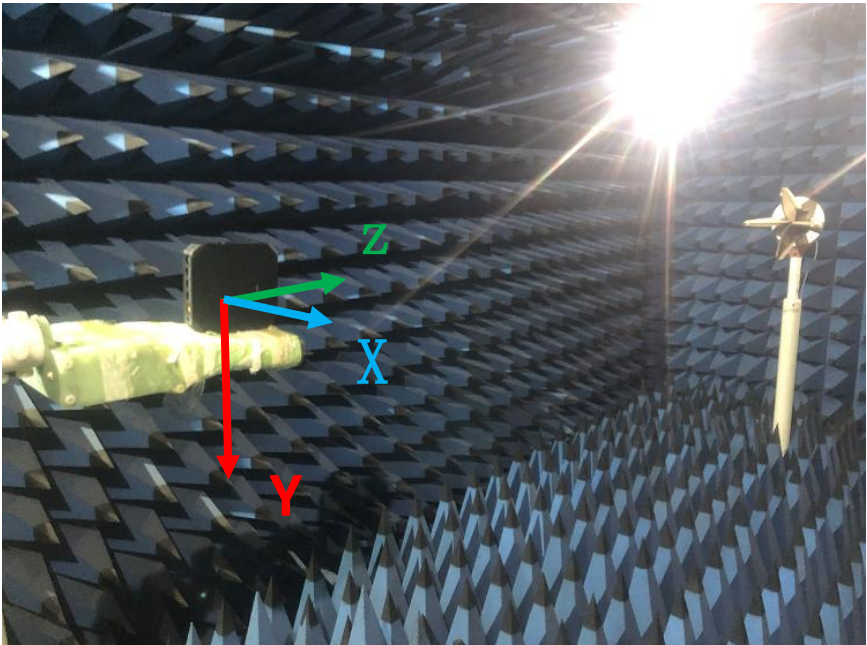
1 基本描述

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		

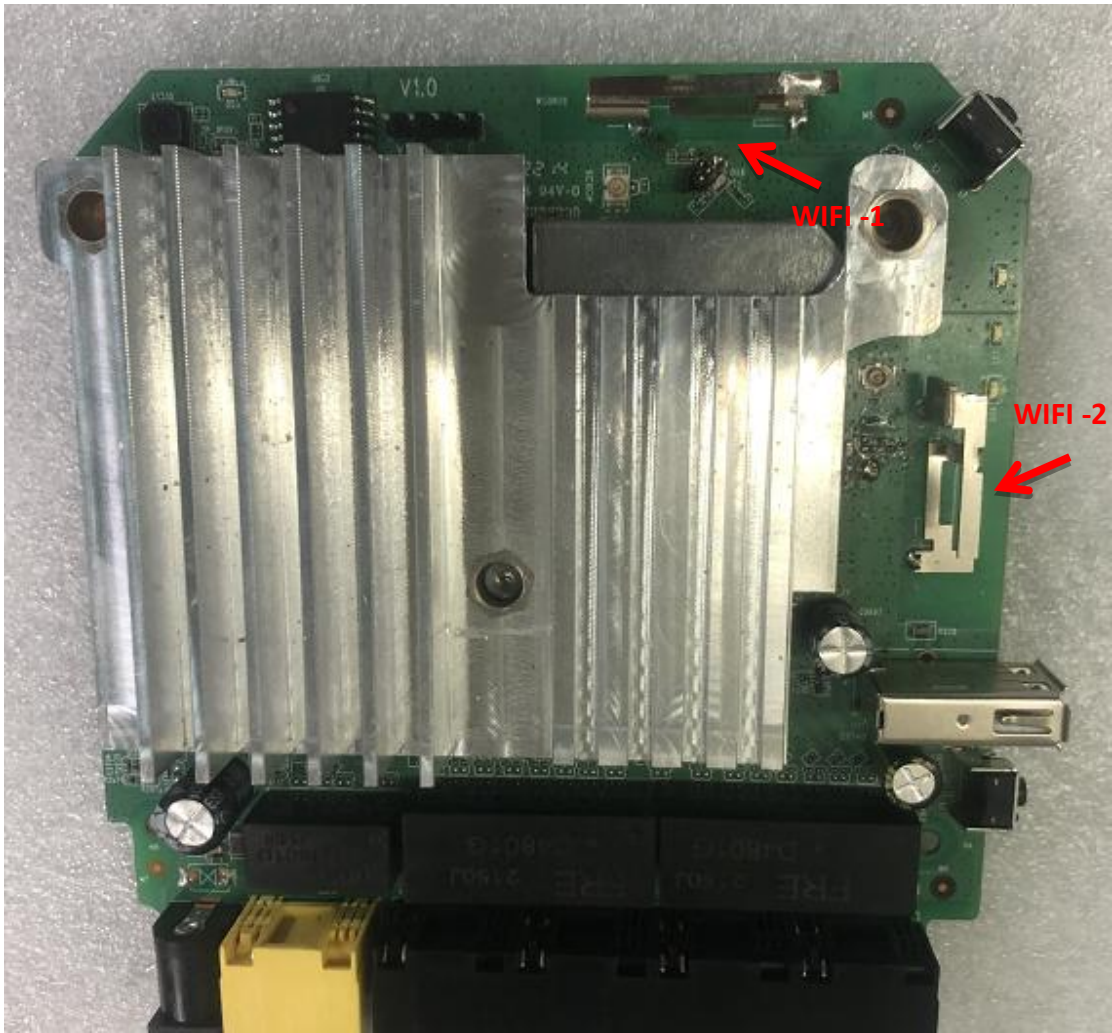


相对坐标说明图
Coordinate map

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	Pifa	五金	Metal parts	见附图
WIFI -2	Pifa	五金		见附图
				See attached figure

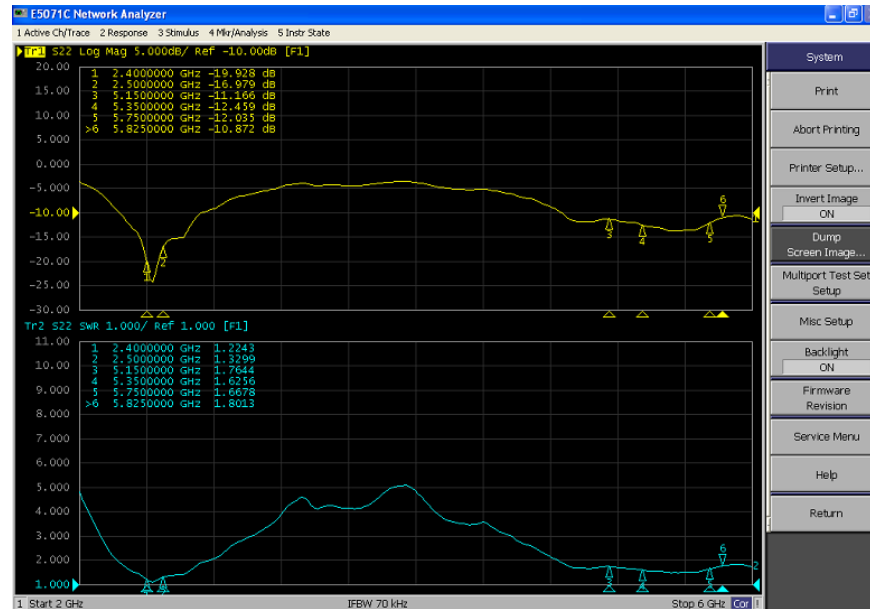
2 天线无源网分测试

Antenna passive test

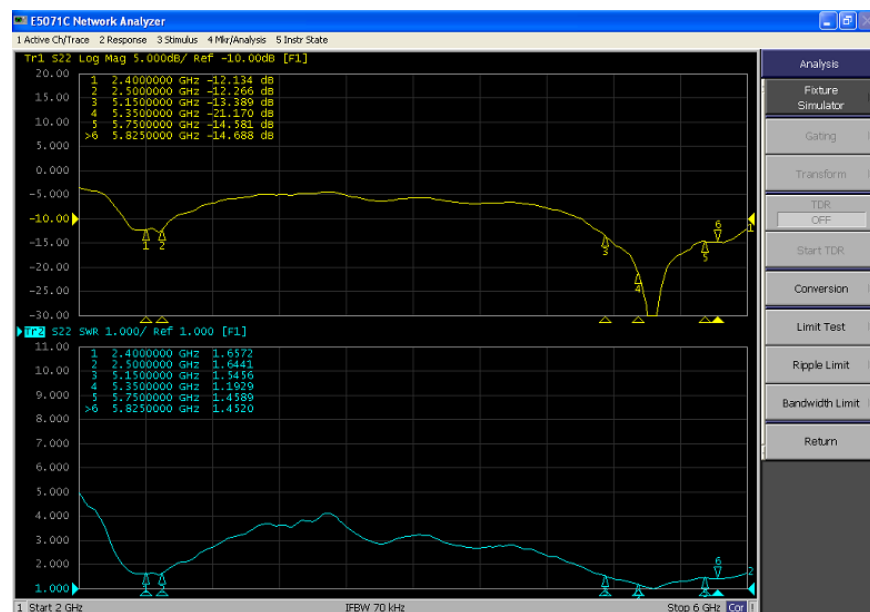
2.1 工作频率、回波损耗及 VSWR

Operating frequency, return loss and VSWR

WiFi-1

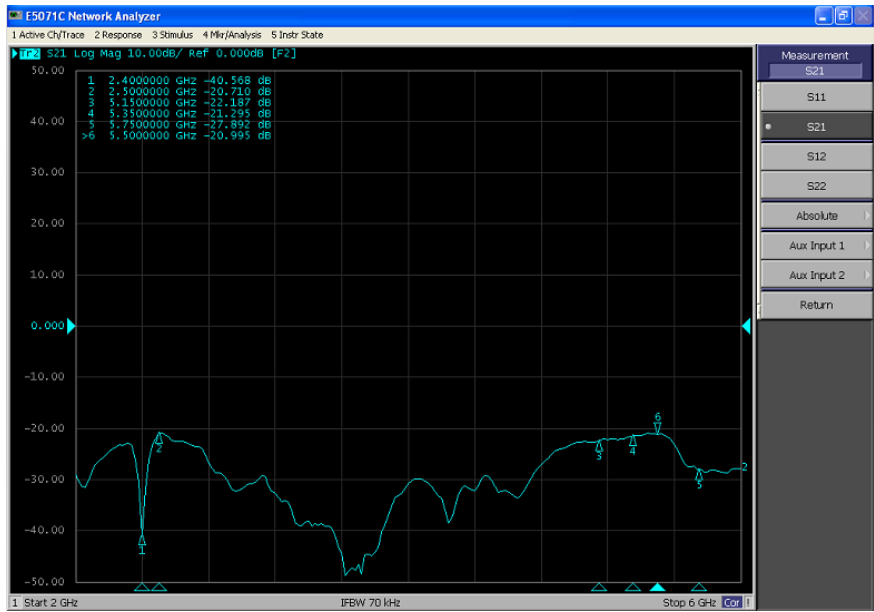


WiFi-2



2.2 Isolation

WIFI -1& WIFI -2



3 暗室测试

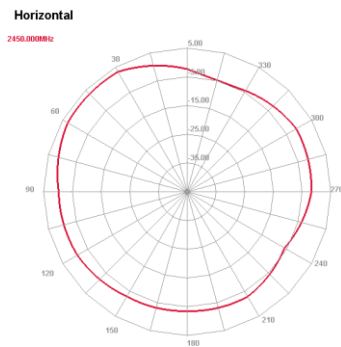
Darkroom test

3.1 2D 场型图

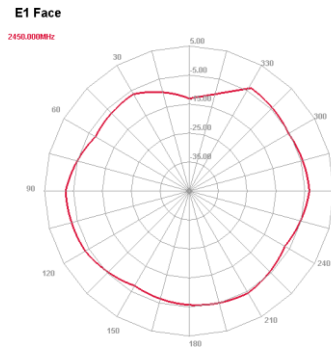
2D Photo

WiFi-1_2.45G

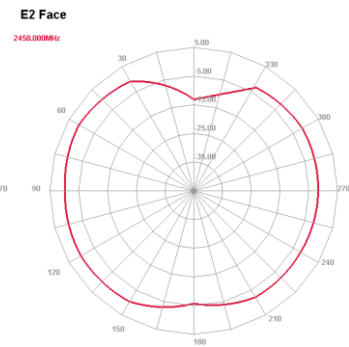
XY 面



XZ 面

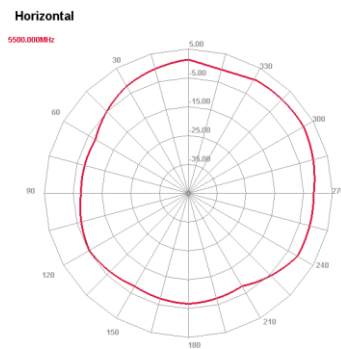


YZ 面

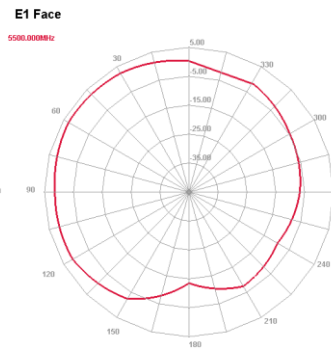


WiFi-1_5.5G

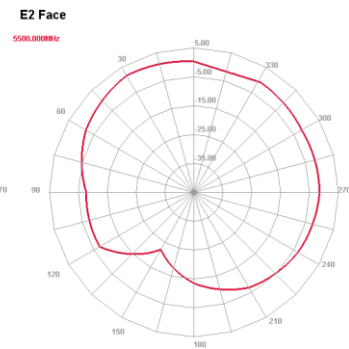
XY 面



XZ 面

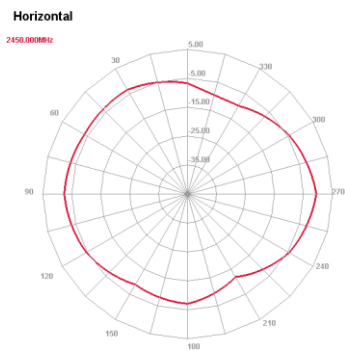


YZ 面

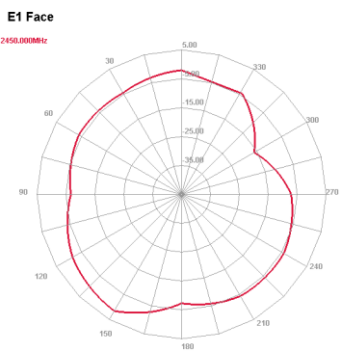


WiFi-2_2.45G

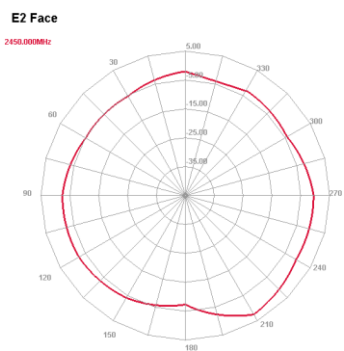
XY 面



XZ 面

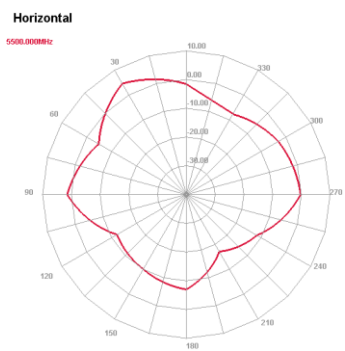


YZ 面

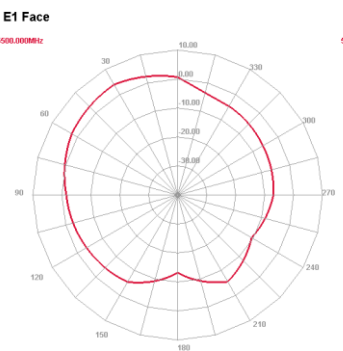


WiFi-2_5.5G

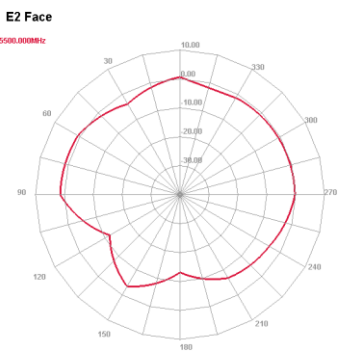
XY 面



XZ 面



YZ 面

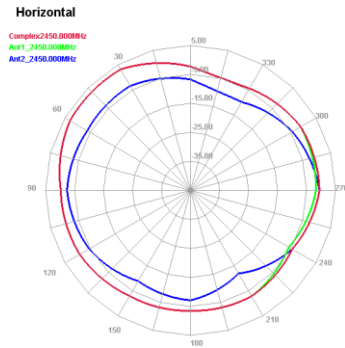


3.2 天线 2D 合并场型图

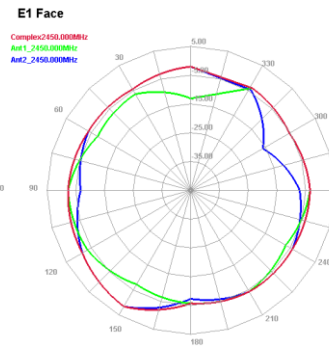
Antenna 2D merged field type diagram

WiFi-1 & WiFi-2_2.45G

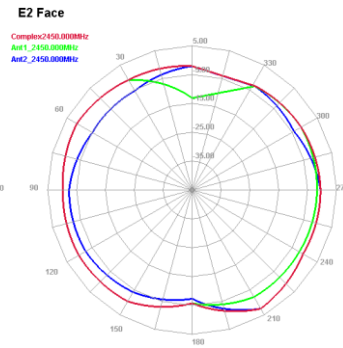
XY 面



XZ 面

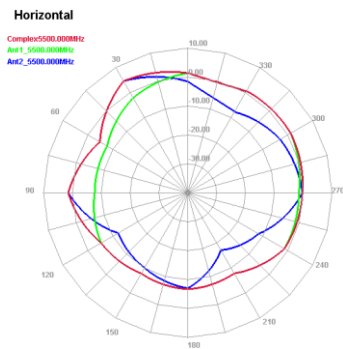


YZ 面

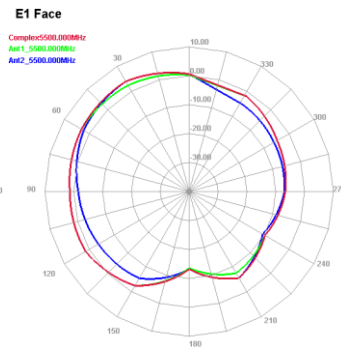


WiFi-1 & WiFi-2_5.50G

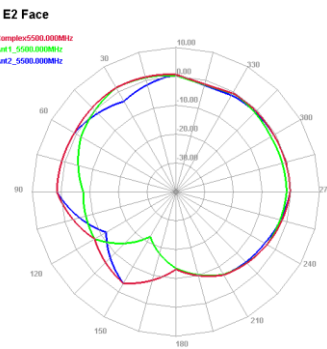
XY 面



XZ 面



YZ 面



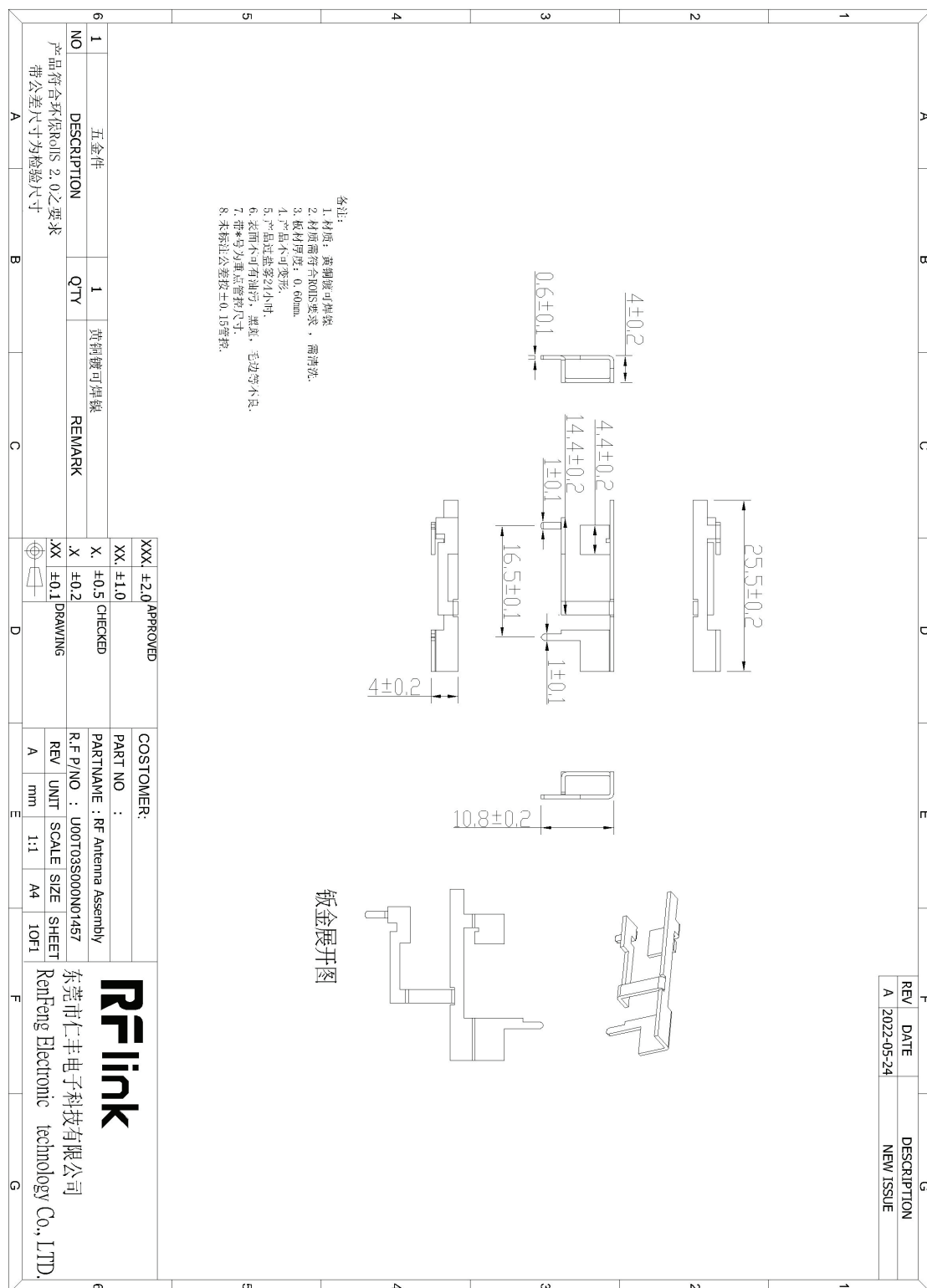
4 天线增益与效率

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



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