

WiFi 天线规格承认书

Product Specifications for Approval

Customer Name: Vihade

Antenna Frequency Band:

WIFI 2.4G

Version: R-A

制作日期: 2024-6-19

Production date: June 19, 2024

深圳锐锋电子技术有限公司研发			
Shenzhen Ruifeng Electronic Technology Co., Ltd. Research and Development			
结构: structure:	陈巍	射频: RF	符学荣
审核: check:	陈强	批准: ratify	陈华明
客户确认			
客户审核: client audit		客户批准: customer approval	

公司地址:深圳市宝安区福永镇重庆路新福工业园 B5 栋 4 楼

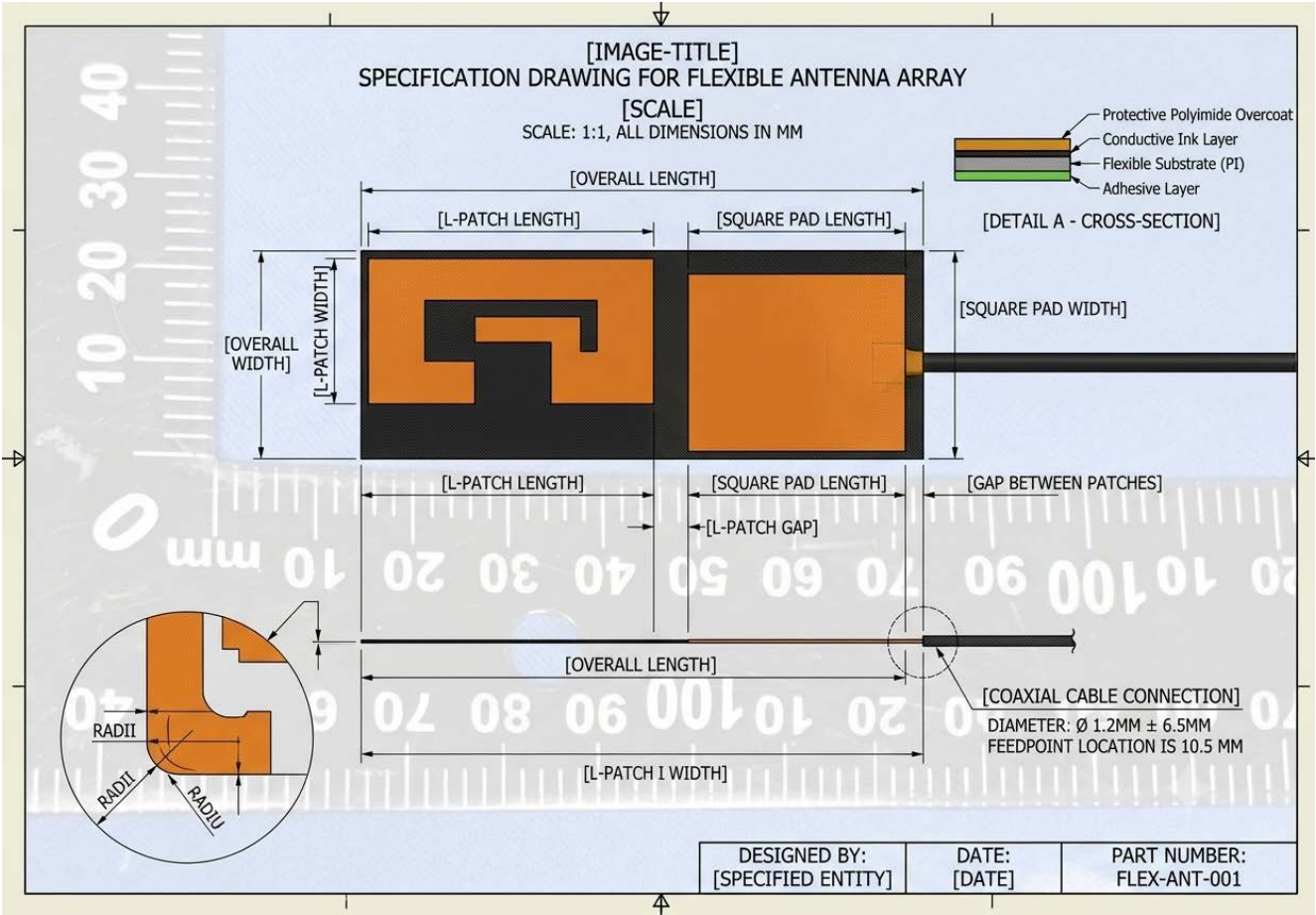
电话:0755-27211658

传真:0755-29485750

Company Address: 4th Floor, Building B5, Xinfu Industrial Park, Chongqing Road, Fuyong Town, Bao'an District, Shenzhen City

Telephone: 0755-27211658

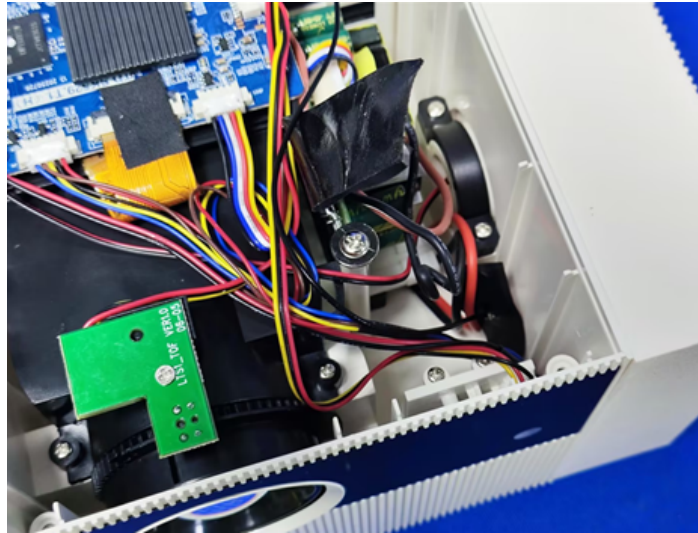
Fax: 0755-29485750



1. Project information and Electrical Specification

*Those specifications were specially defined for ant , **WIFI2.4G/BT** and all characteristics were measured under the model's handset testing jig .*

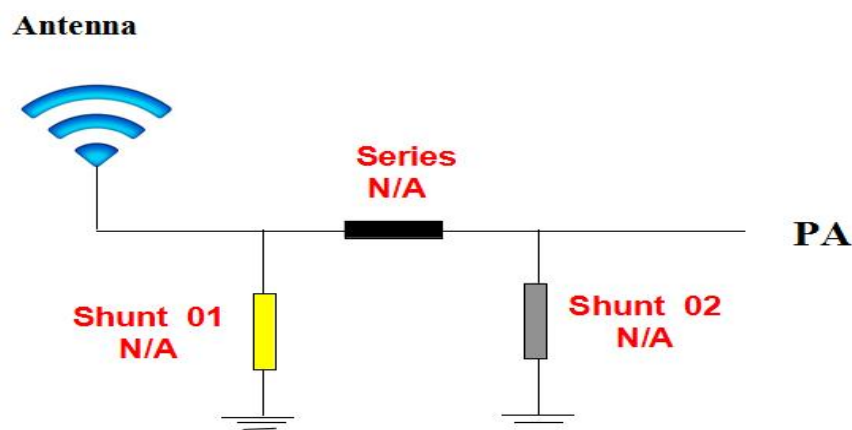
1-1 Antenna picture



1-2 Frequency Band:

Frequency Band	MHz
WIFI2. 4G/BT	2400-2483.5 (MHz)

1-3 Impedance matching

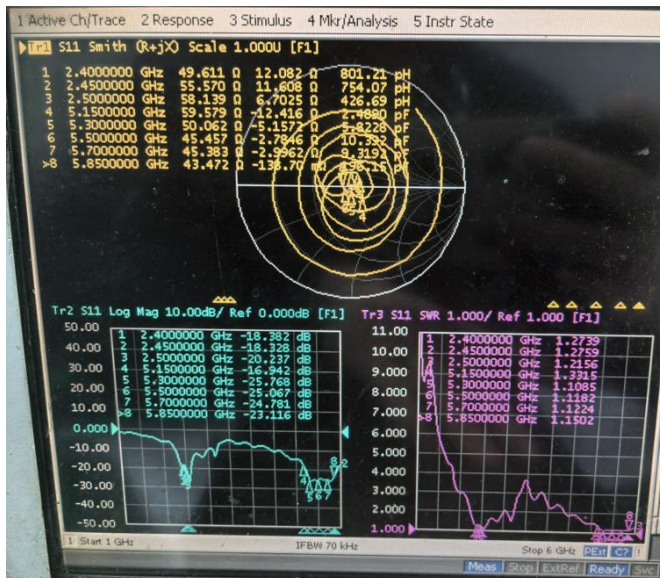


2. VSWR

Measuring Method:

1. A 50 Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the VSWR,
2. Keeping this jig away from metal at least 20cm. VSWR parameter value

S11 SWR /Smith/ Log Mag--WIFI 1



频率 (MHZ)	2400	2450	2500	5150	5300	5500	5700	5850
驻波比	1.27	1.27	1.21	1.33	1.1	1.11	1.12	1.15

频率 (MHZ)	2400	2450	2500	5150	5300	5500	5700	5850
阻抗	49.6 Ω	55.5 Ω	58.1 Ω	59.5 Ω	50 Ω	45.4 Ω	45.3 Ω	45.4 Ω

频率 (MHZ)	2400	2450	2500	5150	5300	5500	5700	5850
回损	-18.3	-18.3	-20.2	-16.9	-25.7	-25	-24.7	-23.1

3. Efficiency and Gain*measuring and test instruments:

微波暗室, Agilent 网络分析仪, Agilent 频谱分析仪, 8960 综合测试仪, 标准天线*test method: equipment 以 H 面放于转台中心位置固定, 与喇叭天线中心位置在同一个水平线上。

Efficiency/Gain- WIFI2. 4G/BT

Microwave anechoic chamber, Agilent network analyzer, Agilent spectrum analyzer, 8960 comprehensive tester, standard antenna * Test method: The equipment is placed with its H surface at the center position of the turntable and is fixed there, and it is on the same horizontal line as the center position of the horn antenna.

Efficiency/Gain - WIFI 2.4G/5.8G/BT

增益&效率-WiFi 1



Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	54.46	2.14
2450	60.37	3.12
2500	61.14	3.65

