

维海德 M2000S WiFi 天线规格承认书

Product Specifications for Approval

物料编号: WF4528B-1131R-240(灰)

Customer Name: Vihade

机型: M2000S

Antenna Frequency Band:

Model: M2000S

WIFI 2.4G/5.8G

Version: R-A

制作日期: 2024-6-17

Production date: June 17, 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

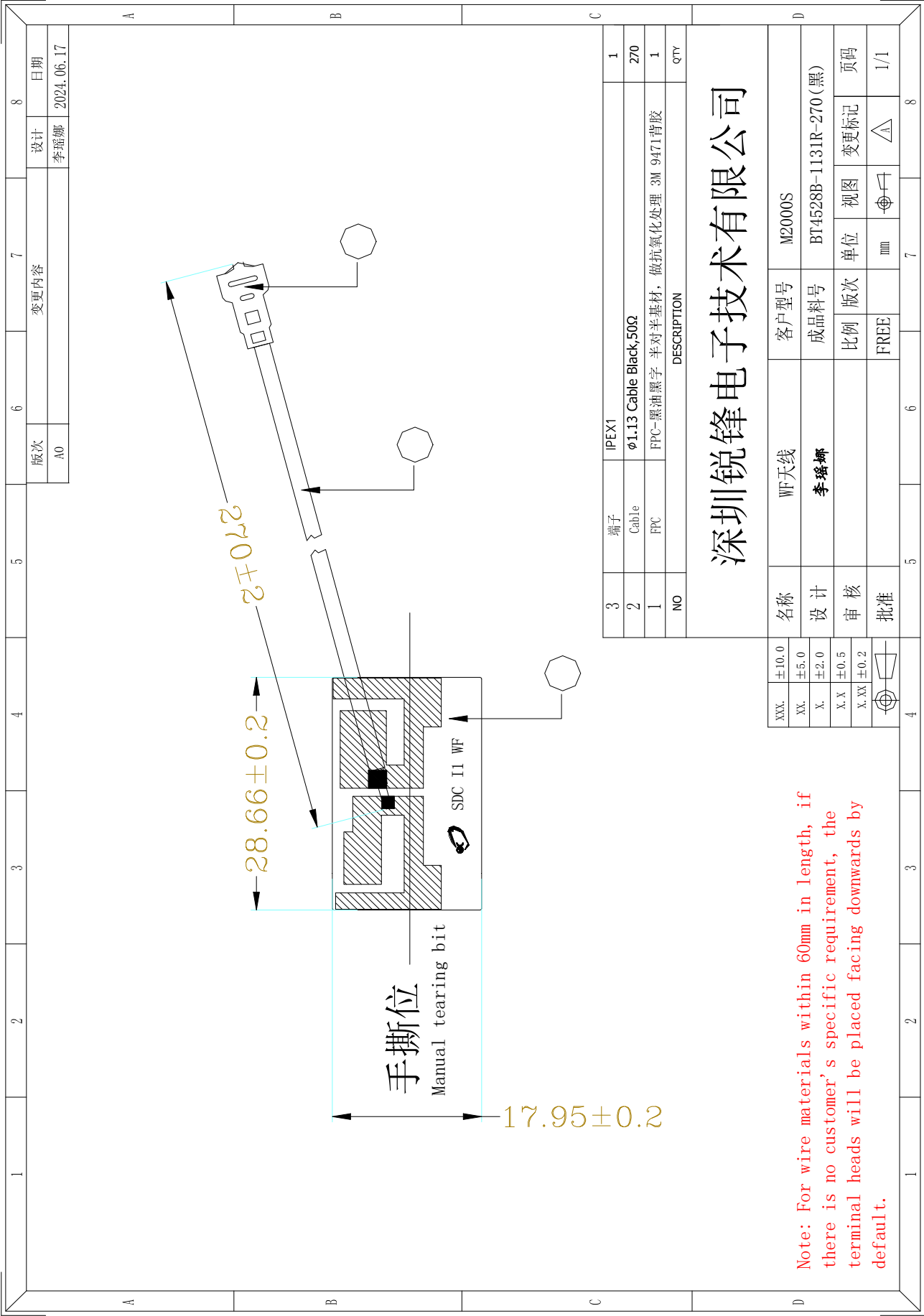
电话:0755-27211658

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

Telephone: 0755-27211658

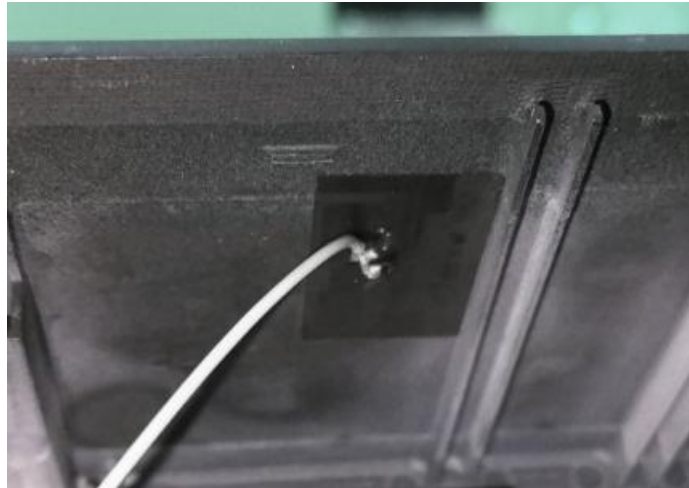
Fax: 0755-29485750



1. Project information and Electrical Specification

*Those specifications were specially defined for 维海德 M2000S , **BT**, and all characteristics were measured under the model's handset testing jig .*

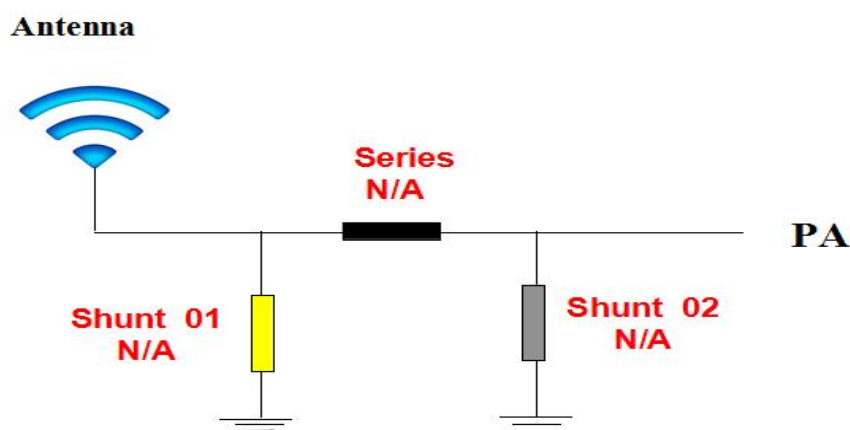
1-1 Antenna picture



1-2 Frequency Band:

Frequency Band	MHz
BT	2400-2500 (MHz)

1-3 Impedance matching

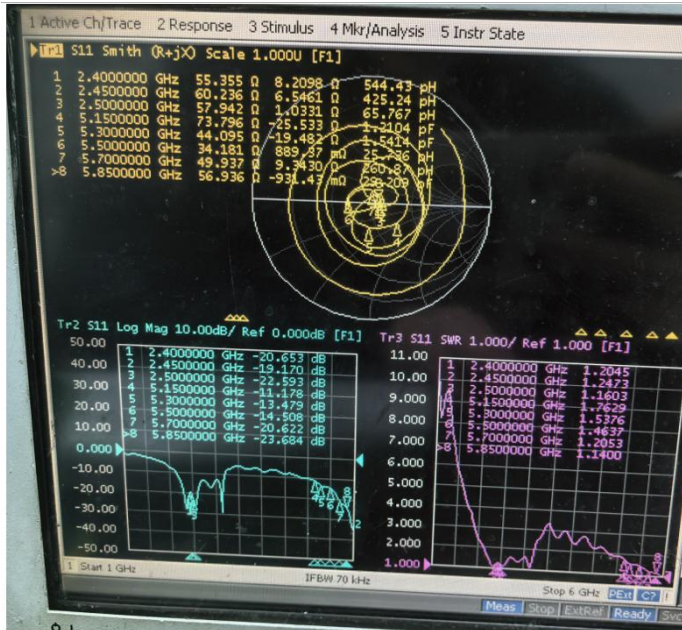


2. VSWR

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--BT



频率 (MHZ)	2400	2450	2500	5150	5300	5500	5700	5850
驻波比	1.2	1.24	1.16	1.76	1.53	1.46	1.2	1.14

频率 (MHZ)	2400	2450	2500	5150	5300	5500	5700	5850
阻抗	55.3 Ω	60.2 Ω	57.9 Ω	73.7 Ω	44 Ω	34.1 Ω	49.9 Ω	56.9 Ω

频率 (MHZ)	2400	2450	2500	5150	5300	5500	5700	5850
回损	-20.6	-19.1	-22.5	-11.1	-13.4	-14.5	-20.6	-23.6

3. Efficiency and Gain*measuring and test instruments:

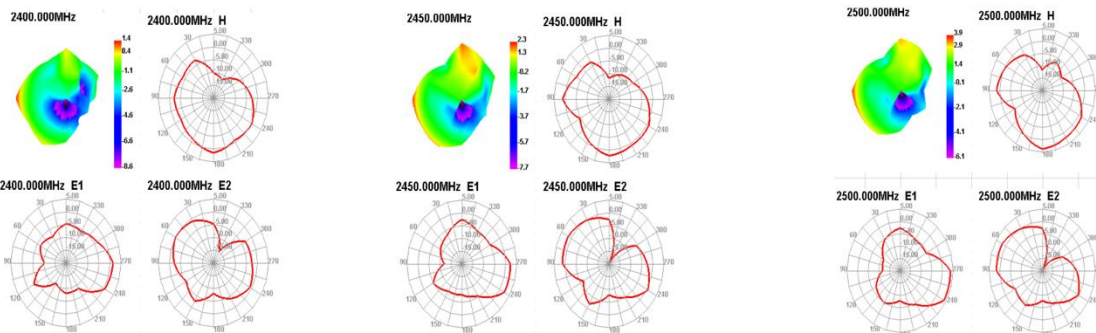
微波暗室, Agilent 网络分析仪, Agilent 频谱分析仪, 8960 综合测试仪, 标准天线*test method: equipment 以 H 面放于转台中心位置固定, 与喇叭天线中心位置在同一个水平线上。

Efficiency/Gain- WIFI2. 4G/5. 8G/BT

增益&效率-BT



Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	45.9	1.4
2450	55.14	2.3
2500	55.47	3.9



5.The production index

天线量产时，以驻波比作为量产测试标准。

根据项目本身的差异,给出如下标准:

频率	量产标准
WIFI2.4G/5.8G/BT	VSWR (量产产品) < VSWR(设计样品) +/- 0.5

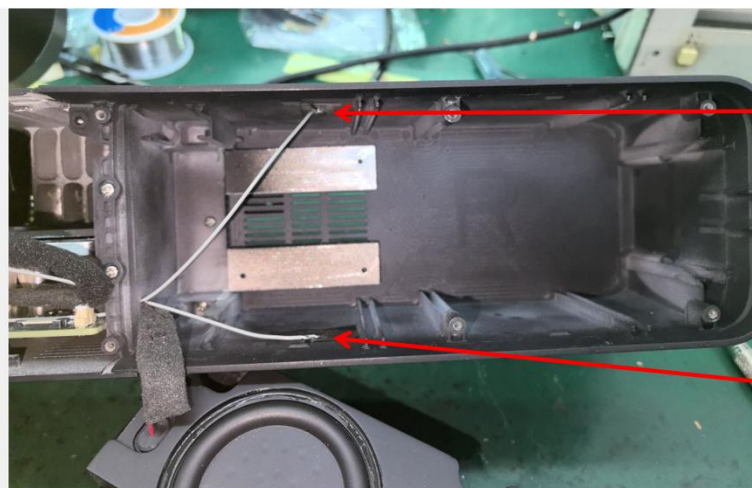
6.天线安装位置图

Antenna Installation Location Diagram

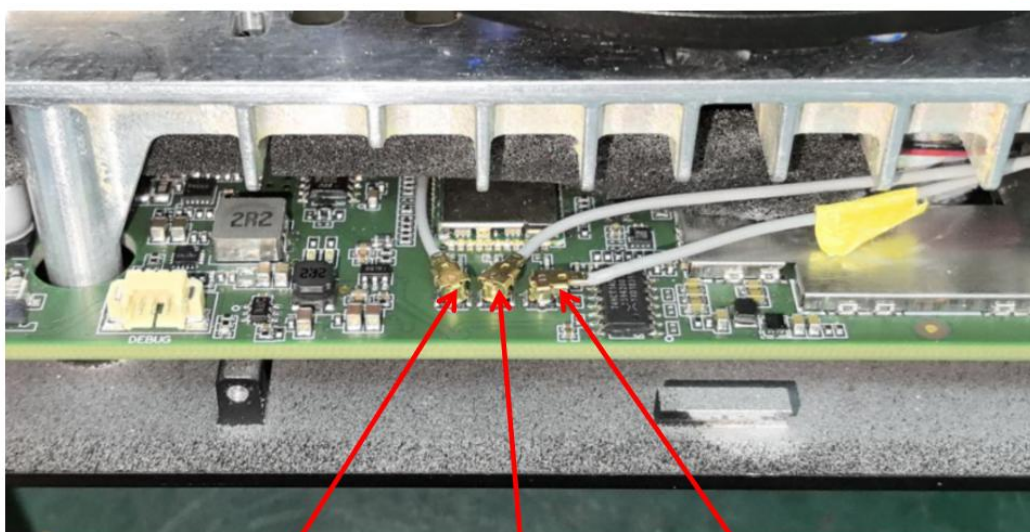
天线位置安装图



BT



WiFi1



WiFi 2

WiFi 1

BT