



Shenzhen Shuodian Electronic Technology Co.,Ltd

Page number 1-10

ANT Specifications

for

Water Detector 2.4G BT/WIFI Antenna

Woan Technology (Shenzhen) Co., Ltd.

customer part number

The company's part number

WA-WaterDetector metal

Compilation: Zeng Xiaofeng Review: Li Ming

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Table of contents

Specification sheet.....	1
Shenzhen Shuodian Electronic Technology Co., Ltd.....	1
directory.....	2
1.Both parties confirm.....	3
2.General matters.....	4
3.General product specifications.....	4
4.Product specification details.....	5
4.1Product structural parameters.....	5
4. 2 Product electrical performance test data.....	7
5. Product packaging method.....	10
6. Document resume.....	10



1. Both parties confirm

1.1 Customer Confirmation Signature

Customer: Wo'an Technology (Shenzhen) Co., Ltd

客户部门/职位	确认人签字	确认日期
硬件/射频		
结构		
项目经理		
商务/采购		
审核		

1.2 铄点科技确认签字

部门/职位	确认人签字	确认日期
天线工程师		
结构工程师		
项目经理		
QA		
审核		



2. General matters

2.1 Scope of application

本规格书只适用于 Water Detector 2.4G 天线

2.2 使用温度范围

本产品使用温度范围-20 ~ +65 °C

2.3 保存温度范围

本产品保存于-30 ~ +75 °C

3.产品一般规格

NO.	ITEMS	DETAILS
1	model	Water Detector
2	Frequency band	2400-2500MHz
3	VSWR	≤ 2.0
4	impedance	50 Ω
5	Antenna type	IFA
6	Antenna implementation form	Metal sheet
7		



4. Product specification details

4.1 产品结构参数

4.11 产品物料组成:

序号	材料	规格 (MM)
1	洋白铜	21.75*9.5*0.3 用量 2pcs

4.12 外观

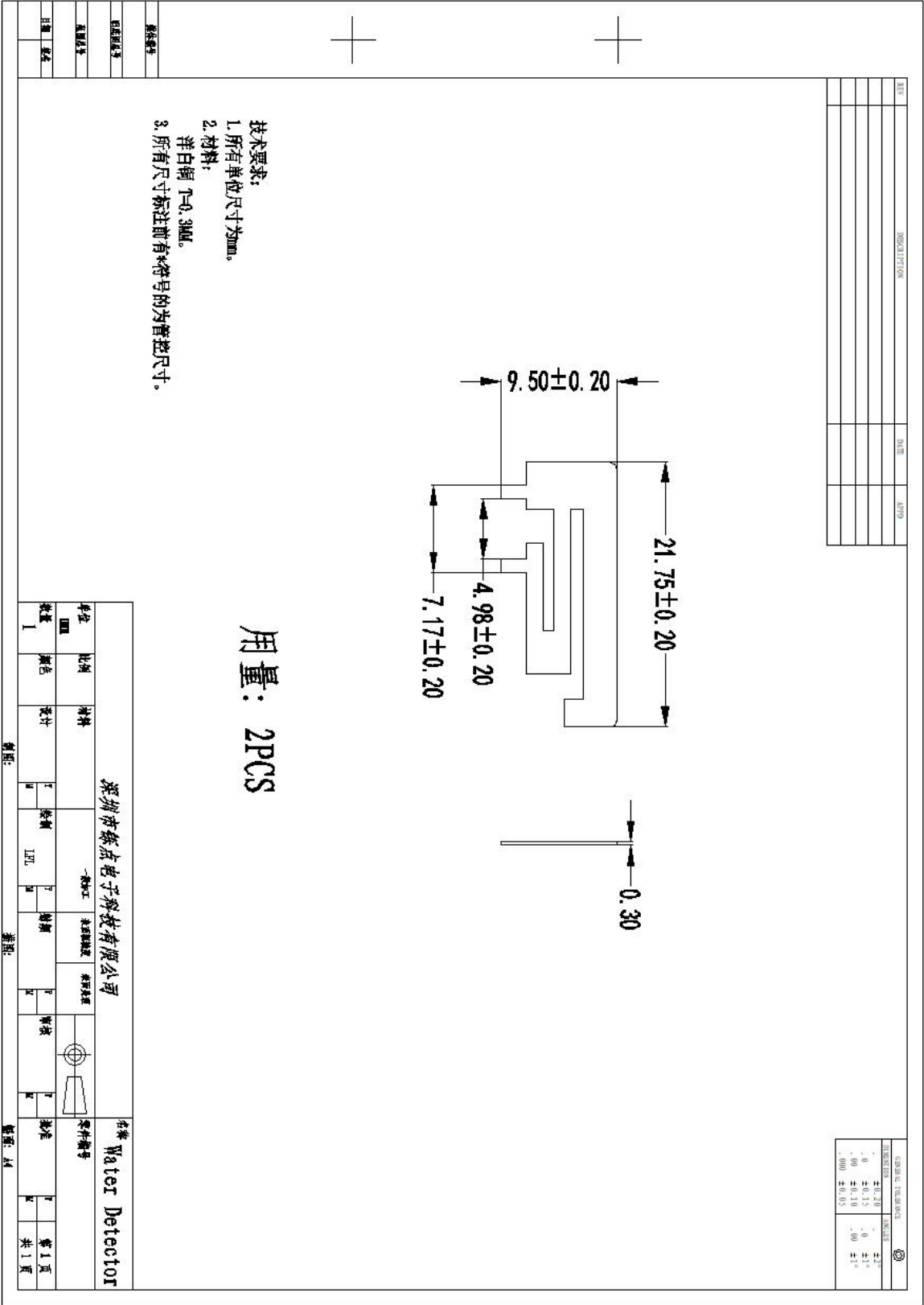
产品外观良好，无伤痕、汗迹、突起等严重影响外观缺陷。

4.13 结构尺寸

参考产品图纸:



产品图纸:





4.2 Product Electrical Performance Test Data

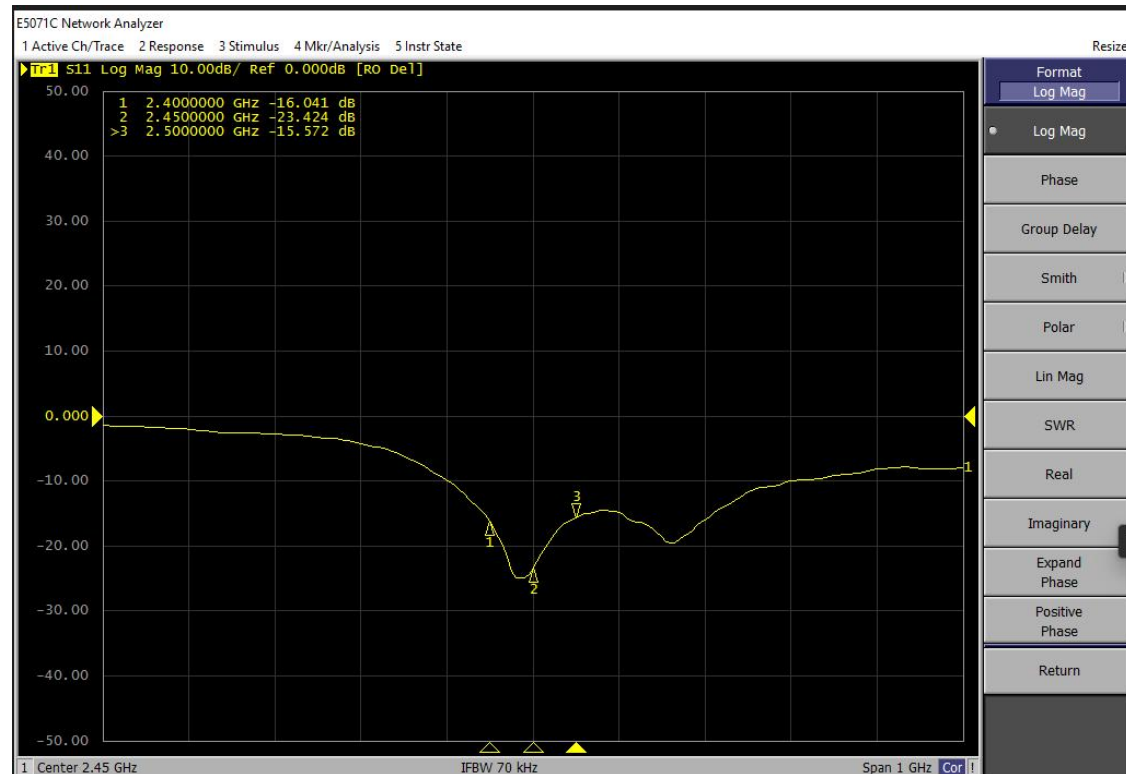
4.21 Testing Environment and Instrument Equipment

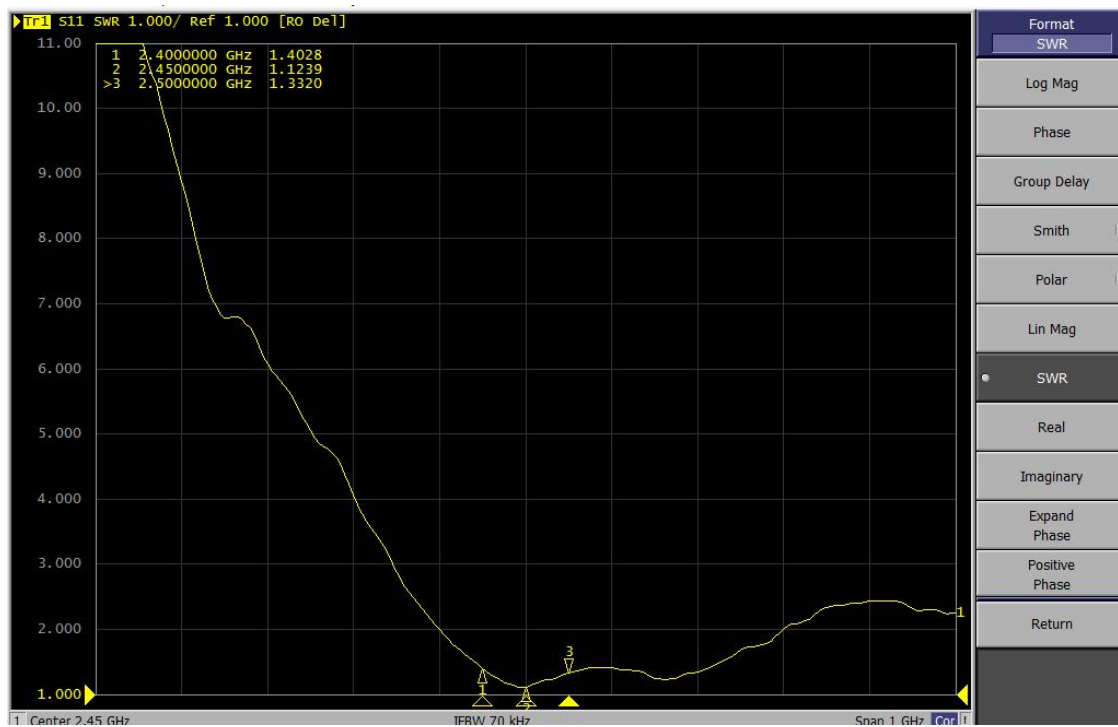
测试环境:	测试设备:
温度: 10℃——+30℃	网络分析仪
相对湿度: ≤80% (+40℃)	KEYSIGHT E5071C
大气压力: 750mmkg±30mmkg	多探头全电波微波暗室

4.22 Product Electrical Performance Test Data:

S11 image of the product:

Marker	2400MHz	2450MHz	2500MHz
Returnloss	-16.04	-23.42	-15.57
VSWR	1.40	1.12	1.33



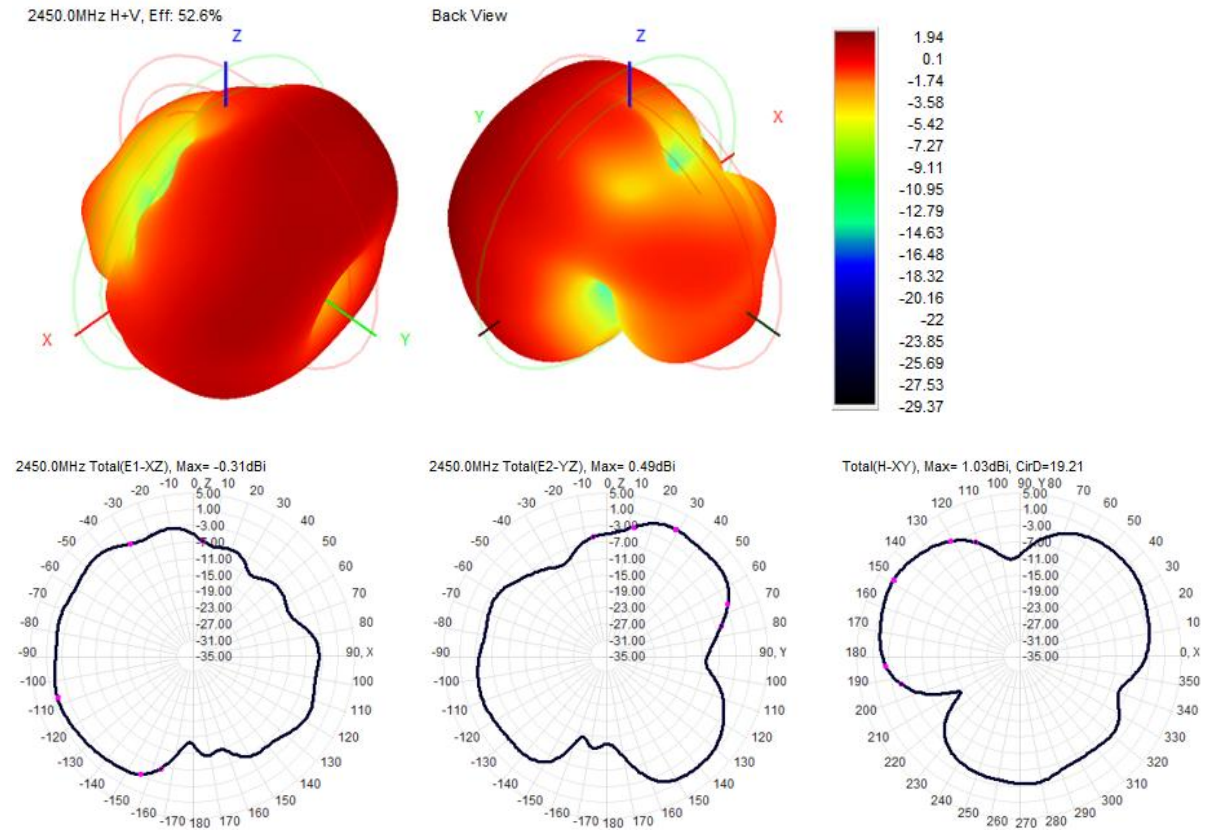


4.23 Gain, Efficiency, and Radiation Direction Diagram

frequency (MHz)	Gain (dBi)	Efficiency (%)
2400.0	1.89	47.66
2410.0	1.69	48.05
2420.0	1.57	48.82
2430.0	1.68	49.29
2440.0	1.88	51.26
2450.0	1.94	52.58
2460.0	2.07	53.66
2470.0	2.18	52.92
2480.0	2.22	51.71
2490.0	2.37	51.39
2500.0	2.46	51.77



Radiation pattern frequency 2450MHz





5. Product packaging method

包装方式:

自封袋包装，每包 200PCS。

6. Document resume

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编制 Author	Hungjie
复核 Review	WH

文件历次表

Revised History

Date	Version	Revised Record
2023/11/16	1.00	New Project