

# 深圳亦是科技有限公司

Shenzhen Yishi Technology Co., Ltd

## 规格承认书

SPECIFICATION FOR APPROVAL

日期  
Date 2024/10/14

编号  
File No 24101401

版本  
Revision 1.0

客 户

Shenzhen Radiomaster Co., Ltd

CUSTOMER:

客户料号

XD-FL-00625

品 名

2.4GHz T Antenna V2 (RECEIVER)

PART NAME:

供方料号

S-RM-A10

SUPPLIER NO:

送样日期Date:

送样数量Q “TY:

客户确认CUSTOMER APPROVED BY

APPROVAL

CHIEF

SUPERVISOR

供方确认 SUPPLIER SIGNATURE

APPROVAL

CHECK

DESIGN

Hunter

Luo

Liu

WE-RD-F01-A

# 承认书项目表

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| 11  | -                                     | -                          | -                     |
| 12  | -                                     | -                          | -                     |

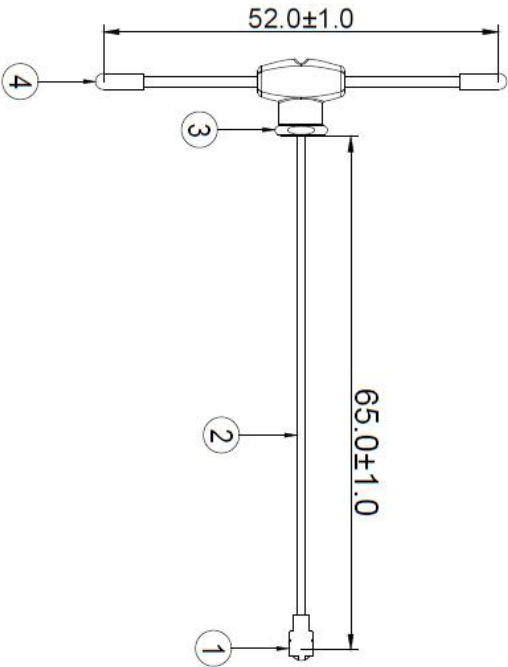
# 工程成品图

# Drawing

|          |             |
|----------|-------------|
| CUSTOMER | RADIOMASTER |
| PART NO  | XD-FL-00625 |



| REV. | DESCRIPTION | DATE       |
|------|-------------|------------|
| A    | 首次发行        | 2023-08-03 |



|    |               |                  |      |
|----|---------------|------------------|------|
| 4  | Antenna Cap   | TPE, Color:Black | 2    |
| 3  | SR            | PVC Black        | 1    |
| 2  | Coaxial Cable | O.D 1.13 Black   | 1    |
| 1  | IPEX-1        | Au Plated 1代     | 1    |
| NO | PART NAME     | DESCRIPTION      | Q.TY |

|                                           |                  |                                                  |                                                                                                                                                                                                                  |
|-------------------------------------------|------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RUSHPPV                                   |                  | 深圳亦是科技有限公司<br>Shenzhen Yishi technology Co., Ltd |                                                                                                                                                                                                                  |
| PART NAME: 2.4GHz T Antenna V2 (RECEIVER) |                  |                                                  |                                                                                                                                                                                                                  |
| PART NO.: S-RM-A10                        |                  | DATE: 2023-08-03                                 |                                                                                                                                                                                                                  |
| CHECKED BY                                | APPROVED BY      | DESIGNED BY                                      | <div><div></div><div>Tolerance</div></div> |
| ZhangBiao                                 | Dongsheng ZiYuan |                                                  | <div><div>UNITS: mm</div><div>SCALE: 1/1</div><div>REVISION: A</div></div> <div><div>X X ±0.50</div><div>X XX±0.15</div><div>X° ±3°</div></div>                                                                  |

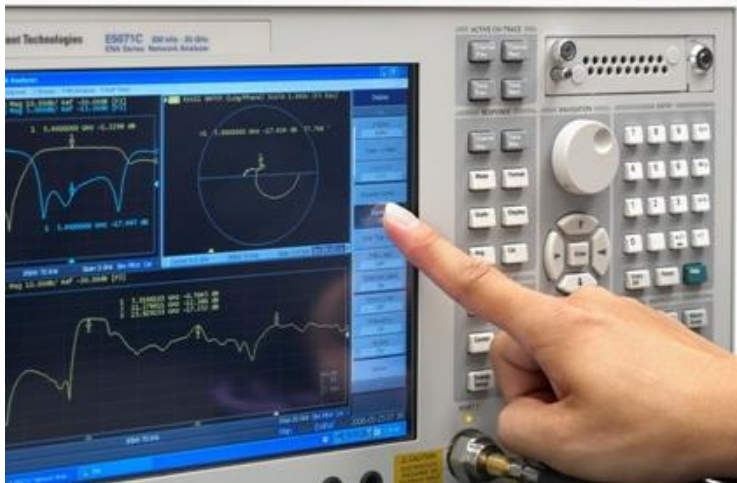
# 天线规格

## Antenna Specification

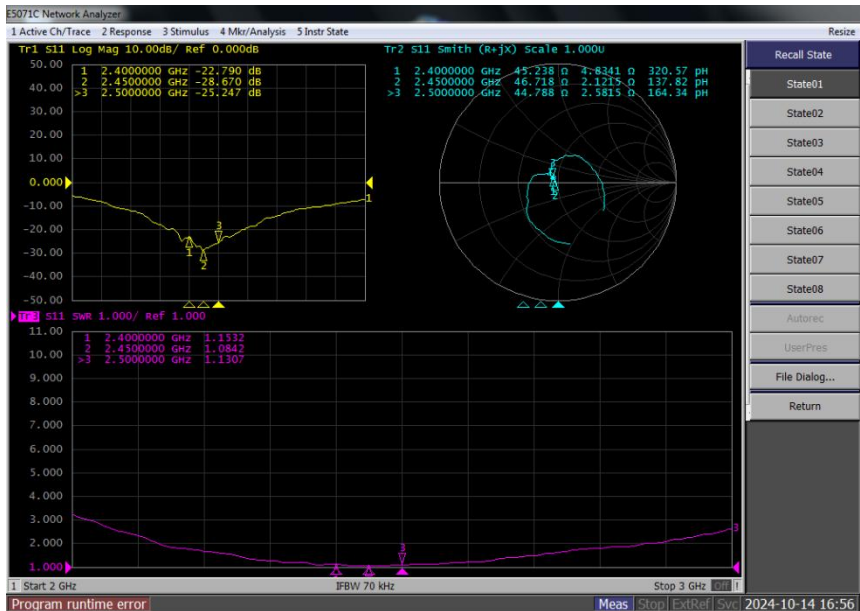
| Electrical Properties |                  |
|-----------------------|------------------|
| Frequency             | 2400~2500MHz     |
| Impedance             | 50 Ohm Nominal   |
| V.S.W.R               | ≤2.0(Max)        |
| Return Loss           | ≤-10(Max)        |
| Radiation             | Omni-directional |
| Gain (Peak)           | 2dBi(Max)        |
| Polarization          | Linear           |
| Connector             | IPEX-1代          |
| Physical Properties   |                  |
| Antenna Material      | PVC              |
| Cable Type            | O.D 1.13//L=65mm |
| Operating Temp.       | -10 ~ +60 °C     |
| Storage Temp.         | -10 ~ +70 °C     |
| Cable Color           | black            |

# Antenna Performance Test

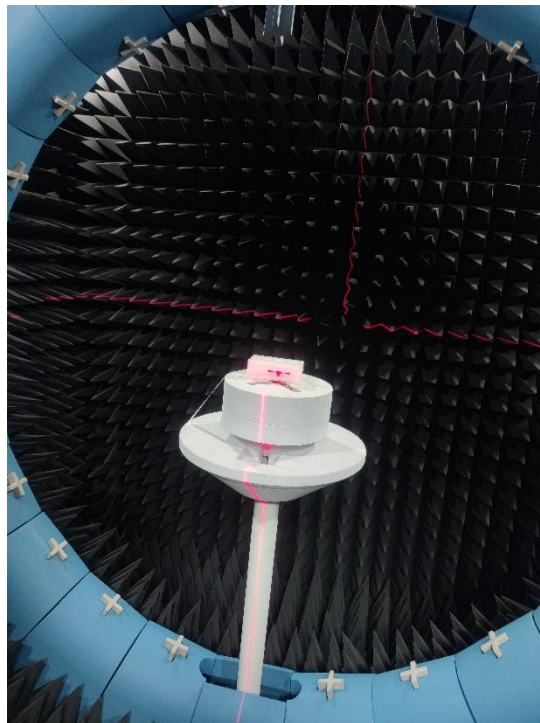
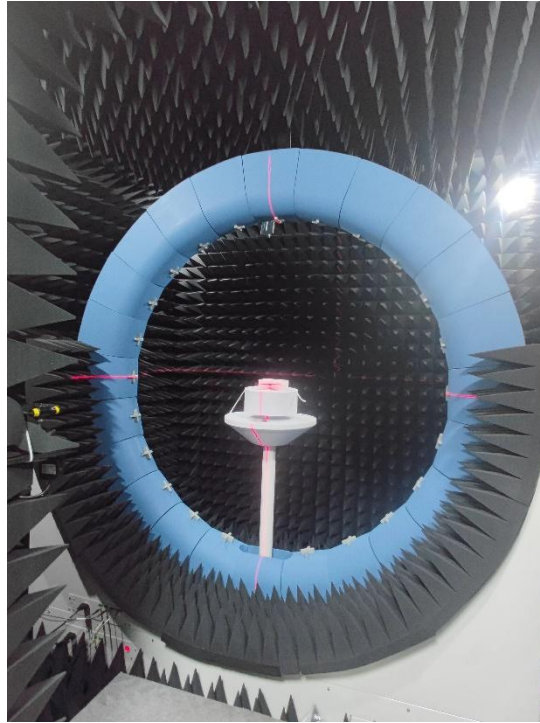
Agilent  
E5071C



S  
Parameter  
Test //  
WIFI



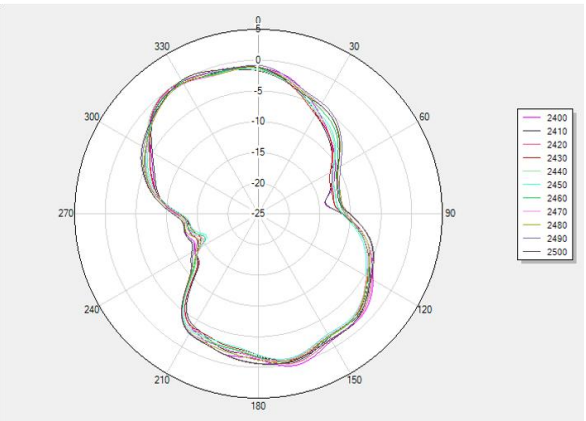
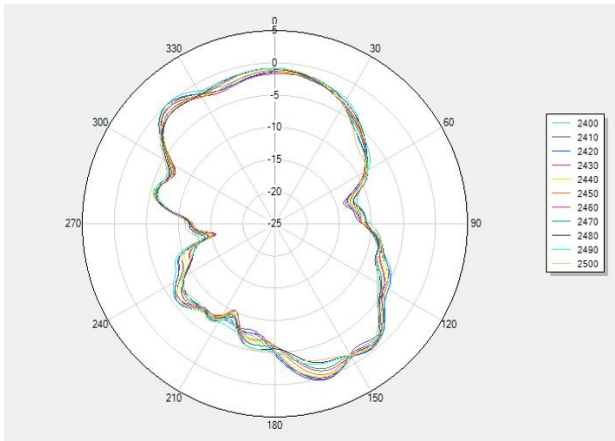
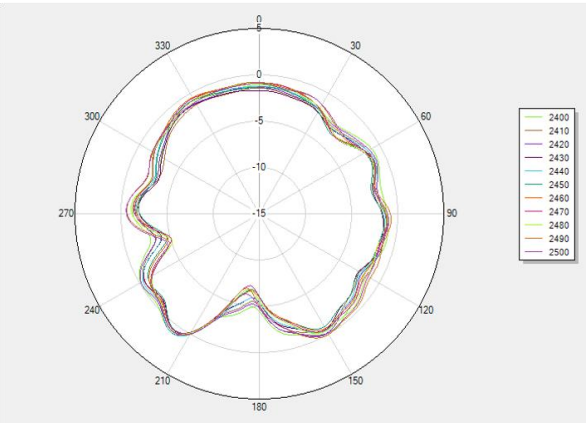
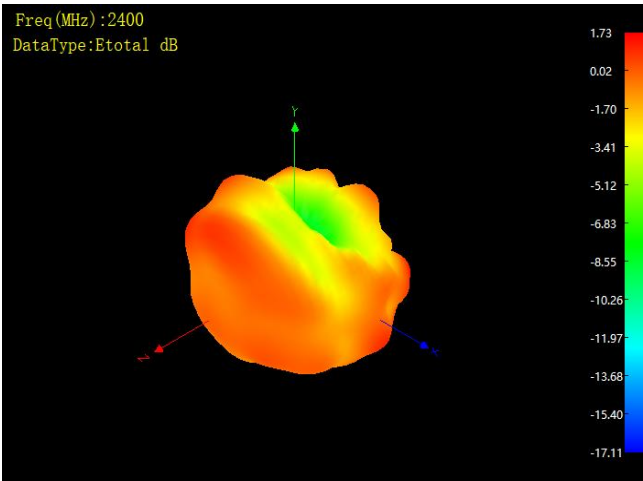
# *Antenna Passive Test*

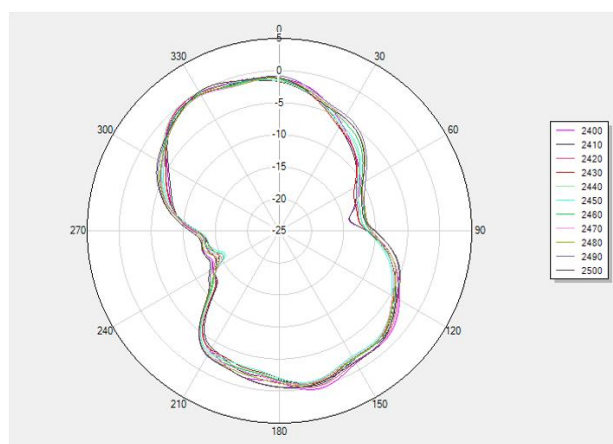
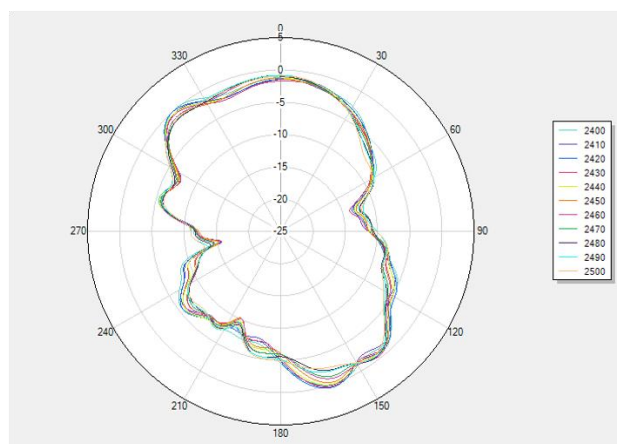
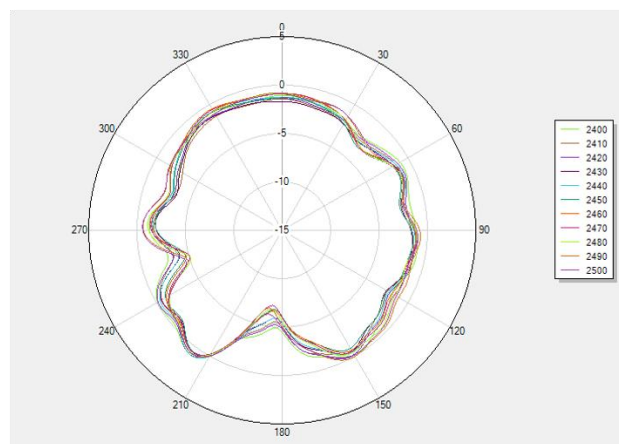
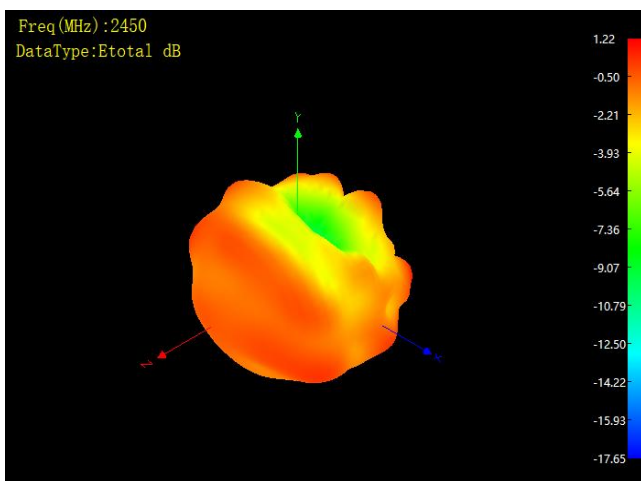


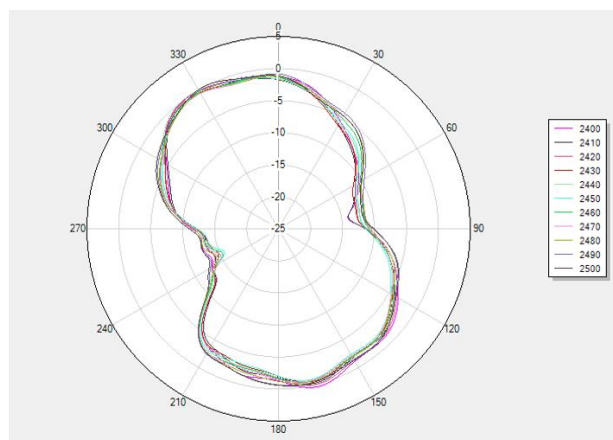
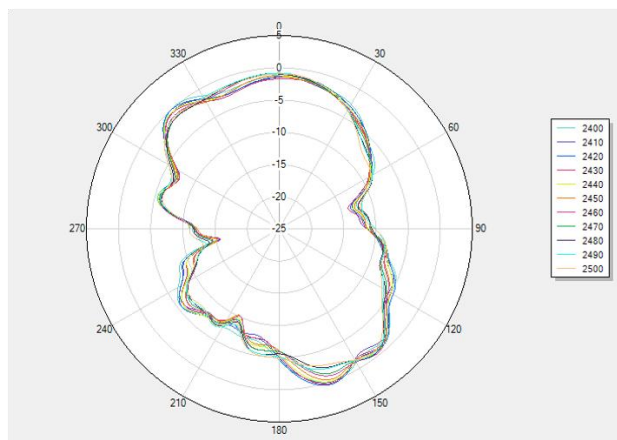
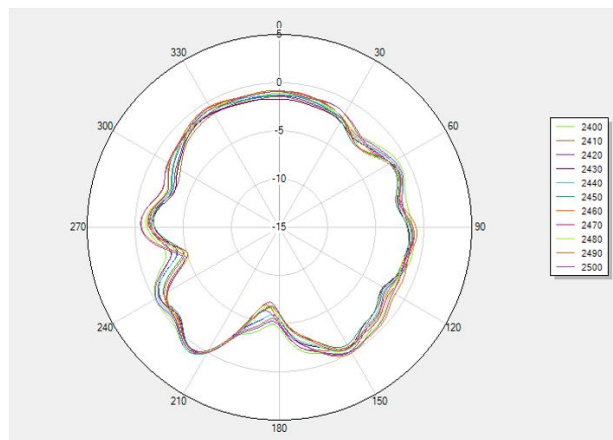
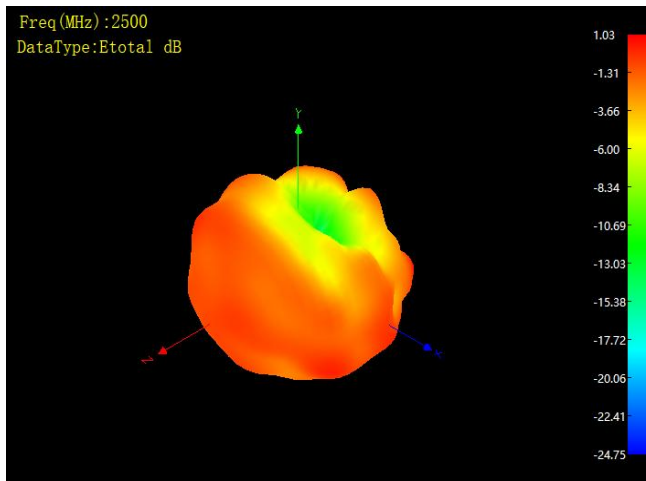
# Passive Test For Antenna(2.4GHz)

| Freq<br>(MHz) | Effi<br>(%) | Effi<br>(dB) | Gain<br>(dBi) |
|---------------|-------------|--------------|---------------|
| 2400          | 52.48       | -2.8         | 1.82          |
| 2410          | 47.97       | -3.19        | 1.43          |
| 2420          | 51.4        | -2.89        | 2.00          |
| 2430          | 47.21       | -3.26        | 1.4           |
| 2440          | 50.58       | -2.96        | 1.72          |
| 2450          | 46.88       | -3.29        | 1.26          |
| 2460          | 49.09       | -3.09        | 1.47          |
| 2470          | 48.08       | -3.18        | 1.18          |
| 2480          | 48.19       | -3.17        | 1.21          |
| 2490          | 50.35       | -2.98        | 1.15          |
| 2500          | 49.09       | -3.09        | 1.06          |

# Antenna Radiation Pattern







## *Antenna Photo*

