

# 产品规格承认书

## SPECIFICATIONS

客户/CUSTOMER: \_\_\_\_\_

产品名称/DESCRIPTION: \_\_\_\_\_ P C B 板 载 天 线

客户型号/CUSTOMER PART NO: \_\_\_\_\_

产品型号/OUR MODEL NO: \_\_\_\_\_ S30

日期/DATE: \_\_\_\_\_ 2022-09-30

确认签字, 盖章后请返回承认书一份

PLEASE RETURN TO US ONE COPY OF "SPECIFICATION FOR APPROVAL" WITH YOUR APPROVED SIGNATURES

|    |    |    |    |    |     |
|----|----|----|----|----|-----|
| 核准 | 王海 | 审核 | 刘飞 | 制作 | 刘小美 |
|----|----|----|----|----|-----|

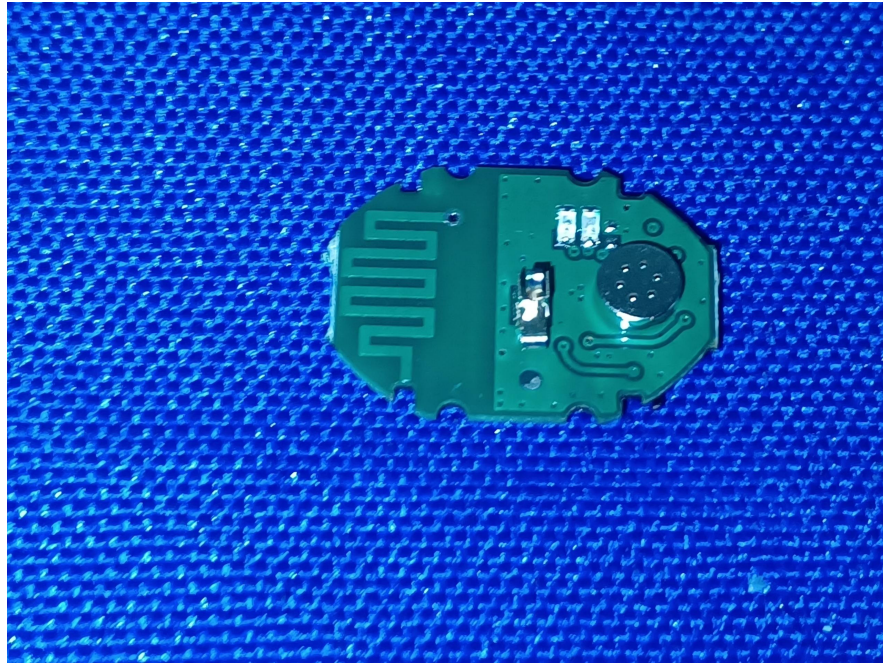
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| 客户确认签章 (APPROVED SIGNATURE) |  |  |  |
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## 1. Summary

This report summarizes the electrical results of the our antenna to support the project 010. The test fixture is made for further testing, which is show below:



## 2. General Description

### 2.1Antenna Components/Part revisions

The antenna part number is T: A

### 2.2Definitions

VSWR: Voltage Standing Wave Rate

TRP: total radiated power

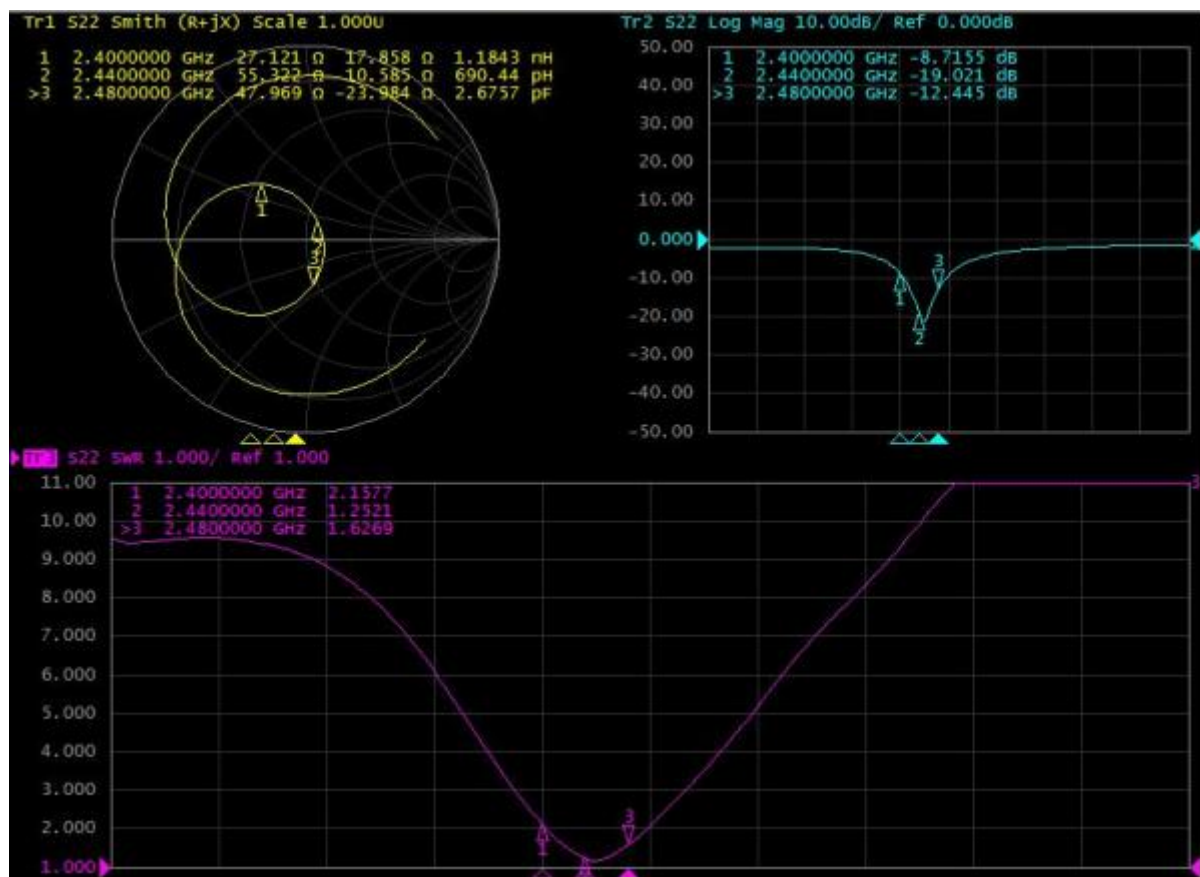
TIS: total isotropic sensitivity

### 3. Electrical Performance

#### 3.1 Matching Circuit Description



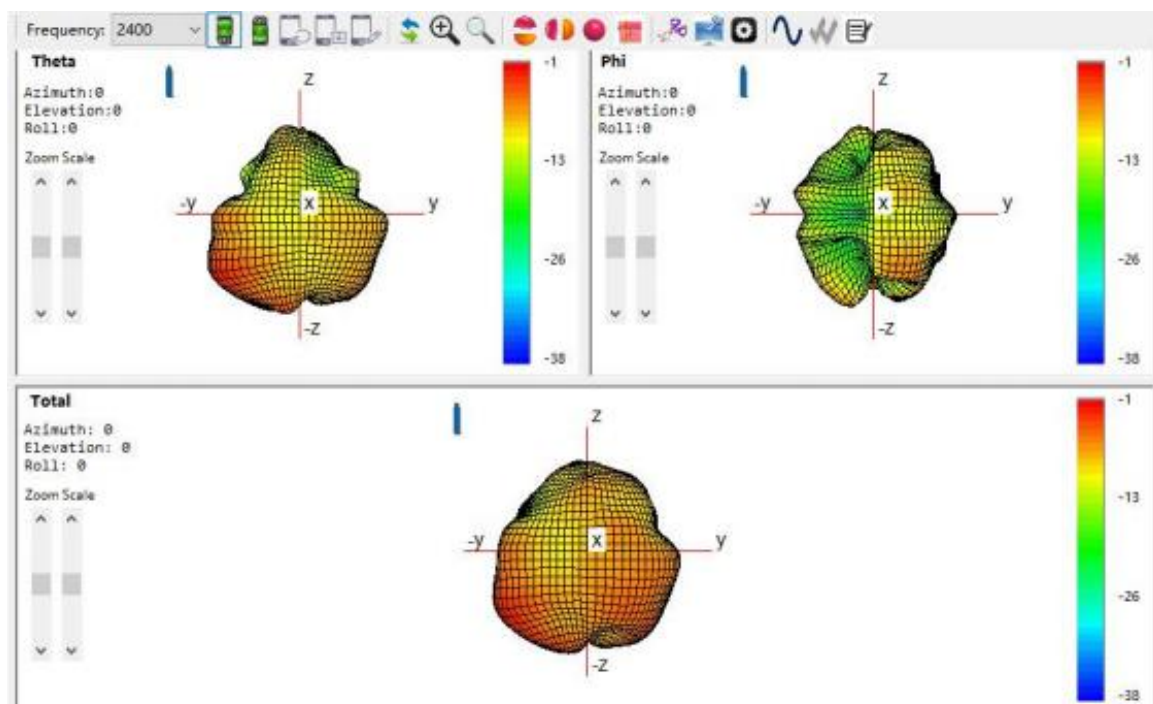
#### 3.2 VSWR(Test in free space)

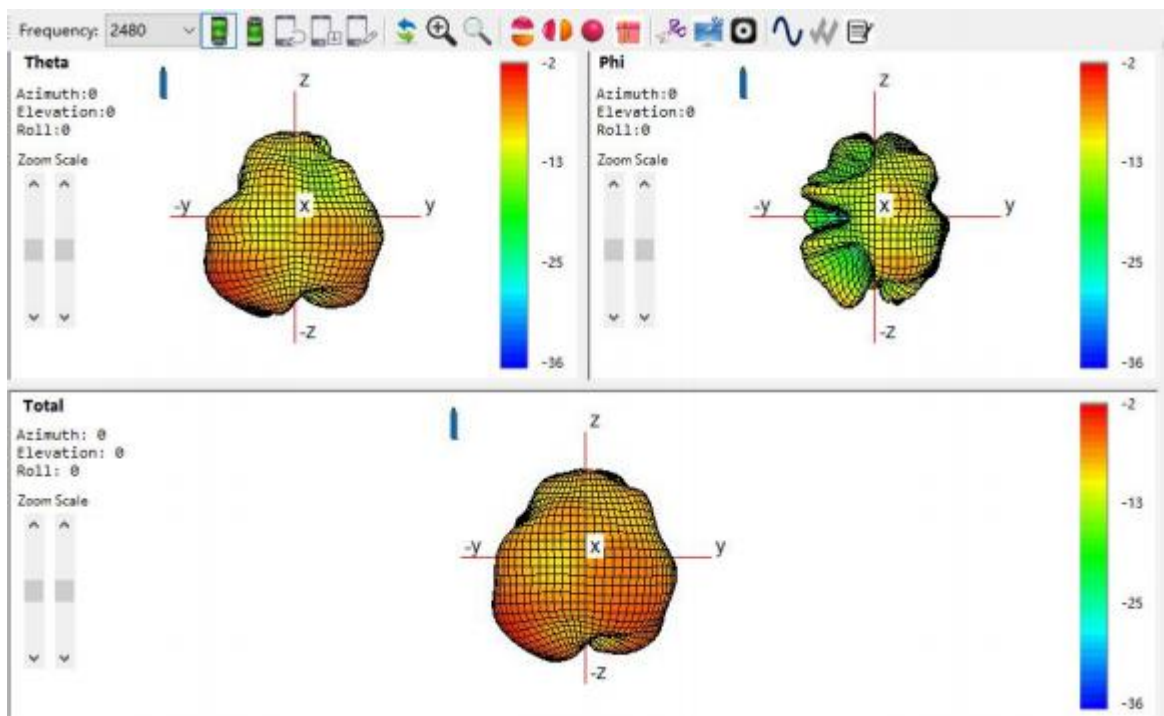
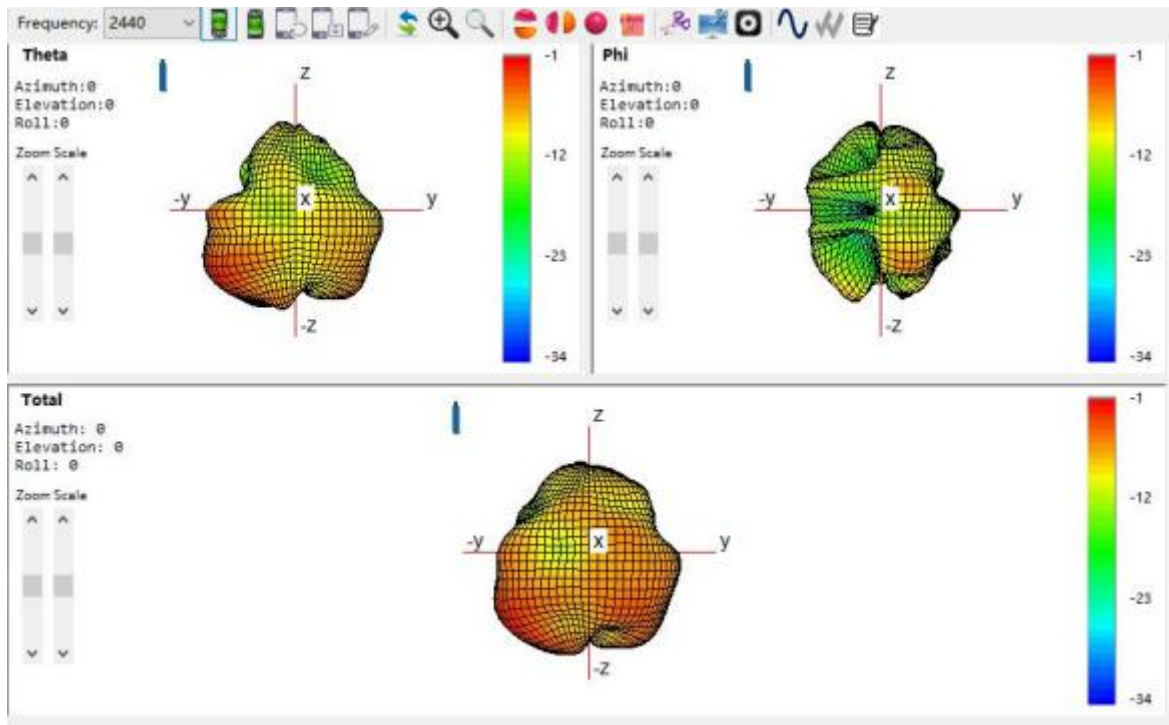


### 3.3 Gain&Efficiency

| Frequency<br>(MHz) | Gain(dBi) | Efficiency(%) |
|--------------------|-----------|---------------|
| 2400               | 2.98      | 39.86         |
| 2410               | 2.91      | 39.37         |
| 2420               | 2.87      | 39.26         |
| 2430               | 2.53      | 39.07         |
| 2440               | 3.0       | 39.95         |
| 2450               | 2.76      | 38.45         |
| 2460               | 2.83      | 38.68         |
| 2470               | 2.71      | 37.35         |
| 2480               | 2.34      | 35.13         |
| 2490               | 2.17      | 34.6          |
| 2500               | 2.03      | 33.53         |

### 3.4 3D Radiation Pattern





## 4. Reliability Testing Report

Part number: BT

Work Date: 2022.09.26

Test item: Neutral Salt-Fog test

Test requirement:

Hydrochloric fog through neutral testing: In the time of 24 hours, no rust corrosion, color fading or solder peel off to the antenna fpc sop in Nacl 5%  $\pm$  1% PH value 6.5-7.2, above 85% humidity. and 35°C  $\pm$  2°C Seals environment.

Test result: Norust corrosion, color fading or solder peel off on the antenna surface after testing

Evaluation: pass