

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
----	----	----	----	----	-----

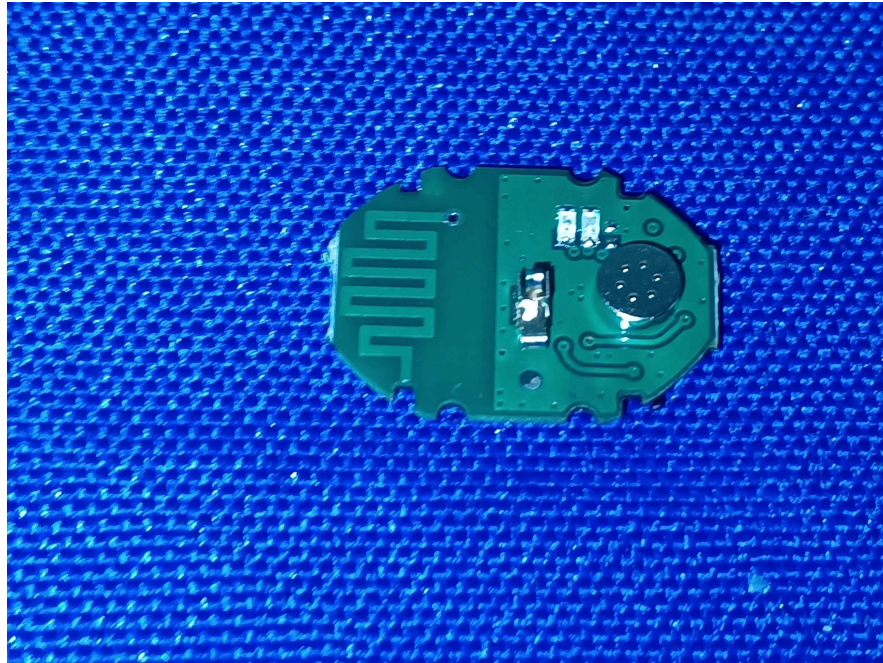
客户确认签章 (APPROVED SIGNATURE)			

Contents

Contents.....	2
1.Summary.....	3
2.General Description.....	3
2.1Antenna Components/Part revisions.....	3
2.2Definitions.....	3
3.Electrical Performance.....	4
3.1 Matching Circuit Description.....	4
3.2 VSWR(Test in free space).....	4
3.3 Gain&Efficiency.....	5
3.4 3D Radiation Pattern.....	5
4. Antenna Engineer drawing.....	7
5.Reliability Testing Report.....	8

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

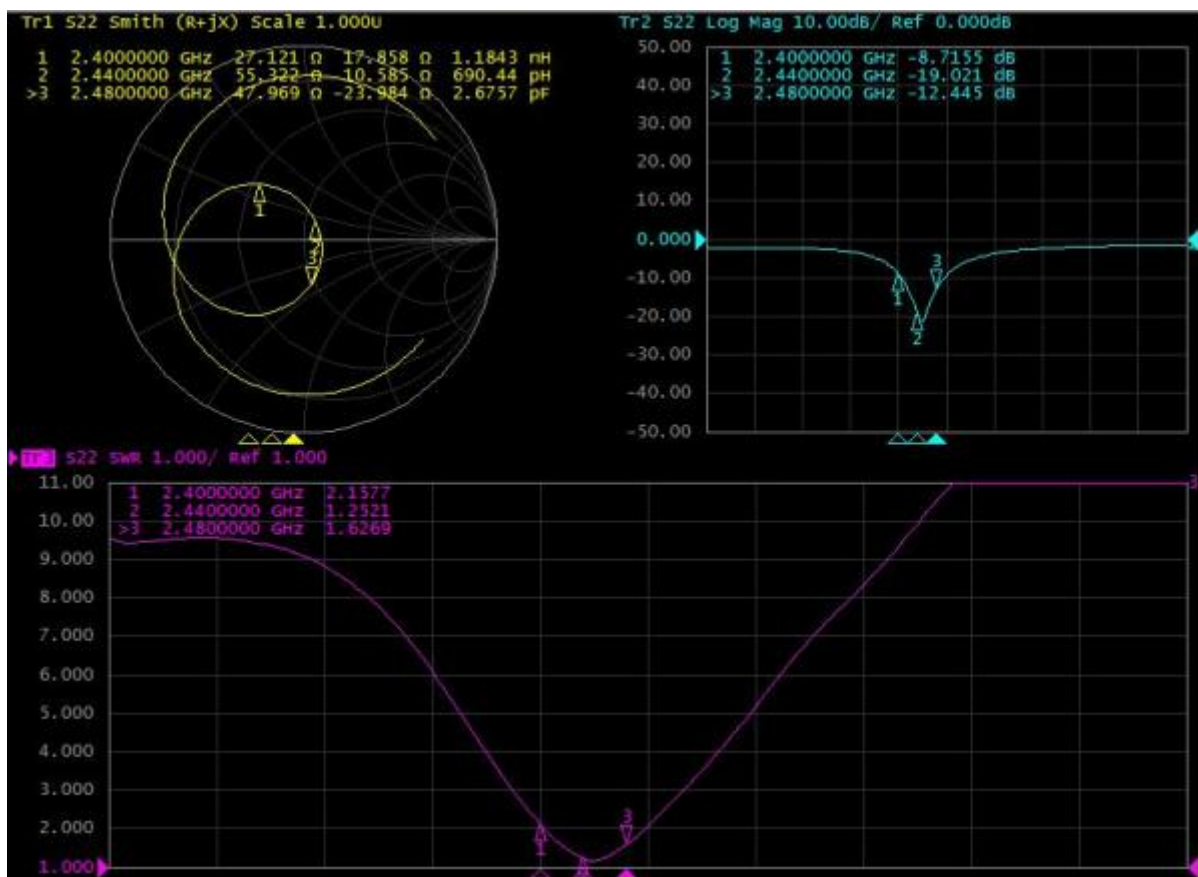
TIS: total isotropic sensitivity

3. Electrical Performance

3.1 Matching Circuit Description



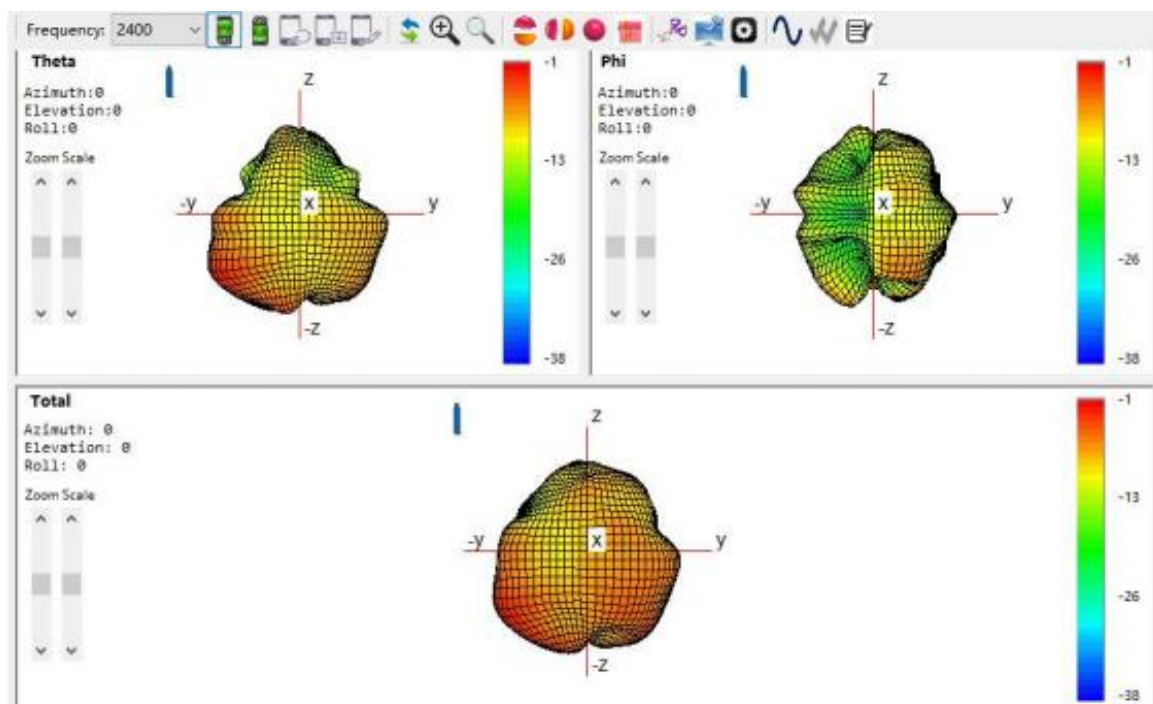
3.2 VSWR(Test in free space)

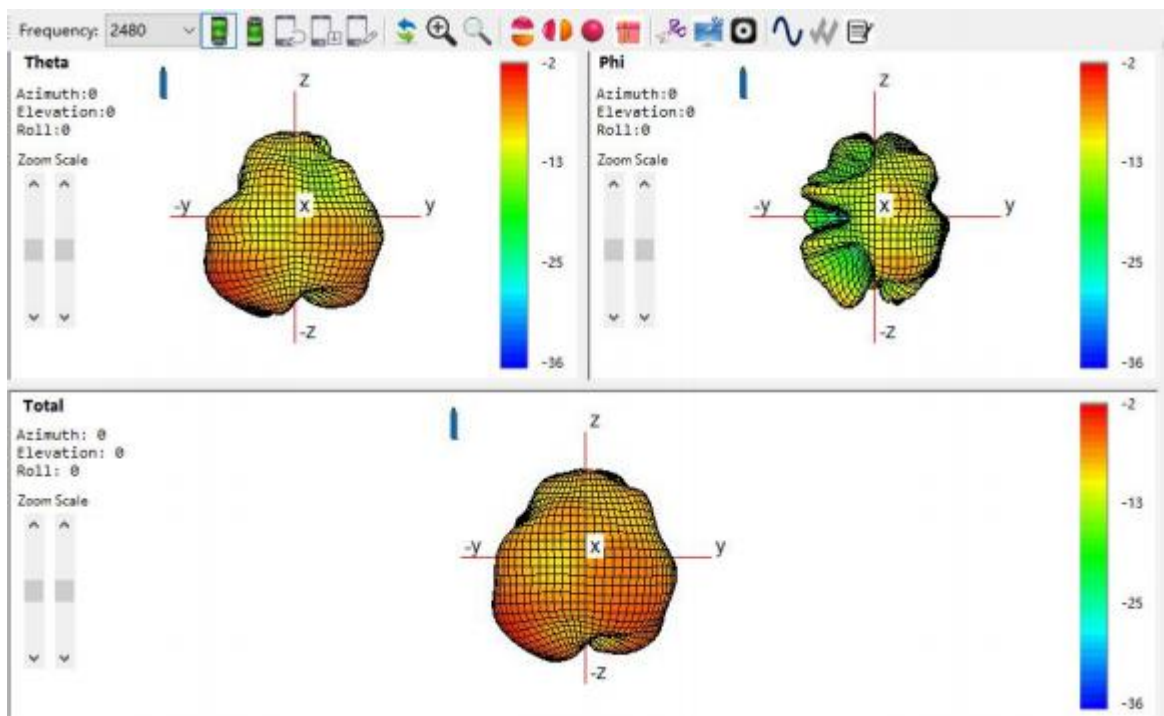
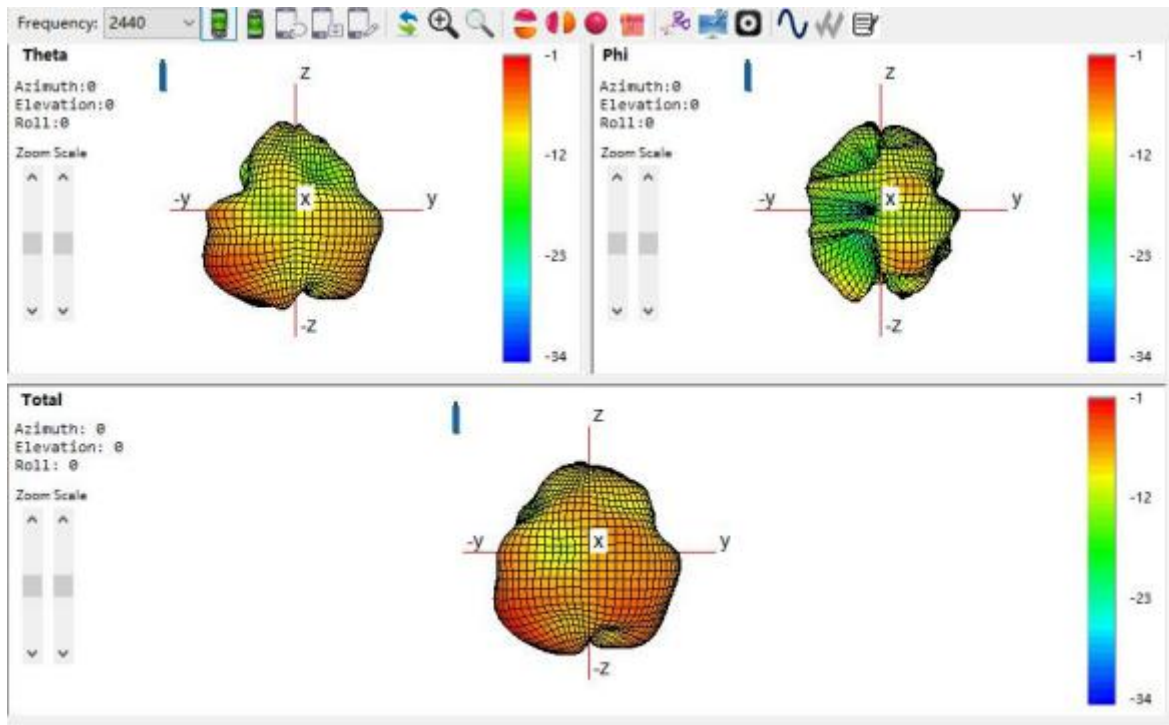


3.3 Gain&Efficiency

Frequency (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