

Shenzhen Pengban Xingye Technology Co.,Ltd
Room 605, Building 4, 1970 Science and Technology Town, Minzhi Street,
Longhua District, Shenzhen, China

产品规格承认书

SPECIFICATIONS

客户/CUSTOMER: _____

产品名称/DESCRIPTION: _____ FPC 天线

客户型号/CUSTOMER PART NO: _____ ANC-010-BT

产品型号/OUR MODEL NO: _____ X1492-010-BT

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

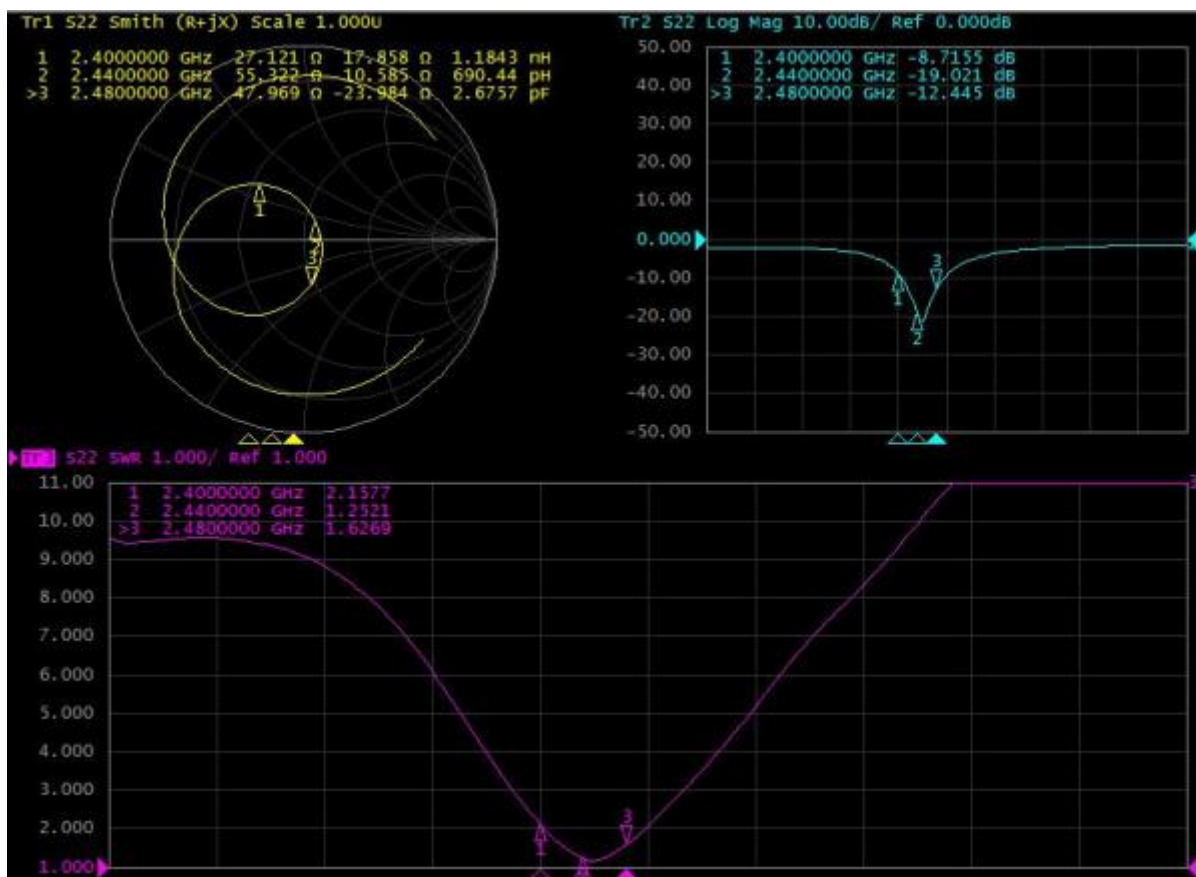
TIS: total isotropic sensitivity

3. Electrical Performance

3.1 Matching Circuit Description



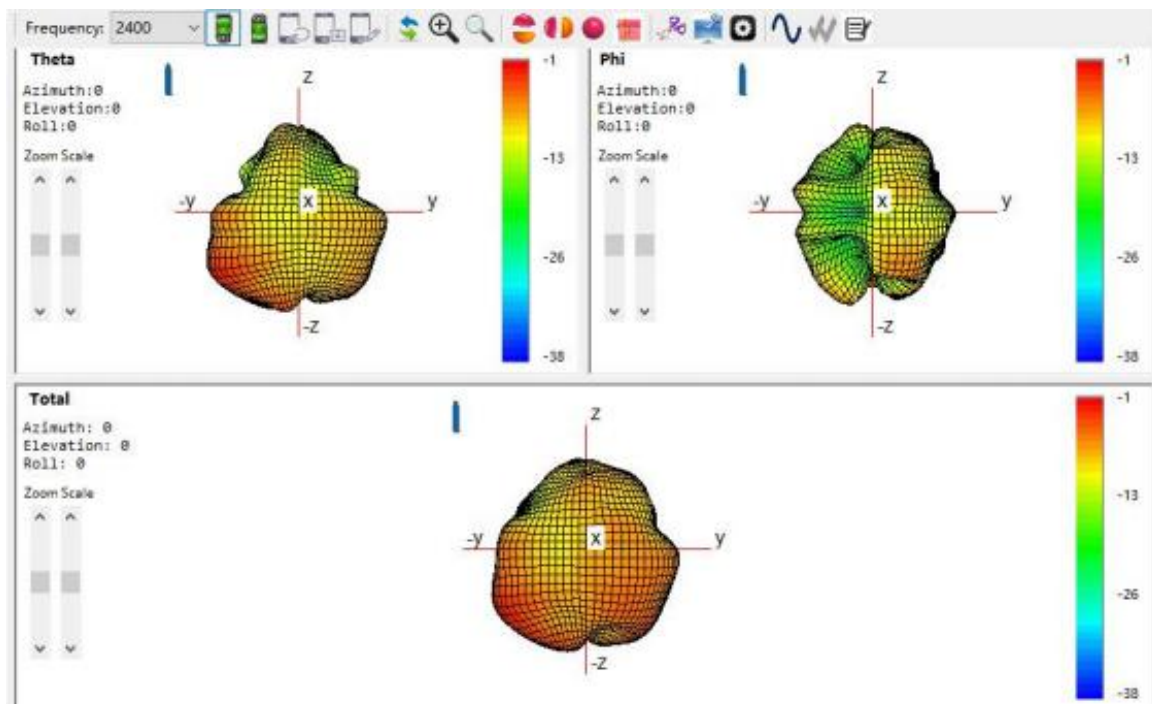
3.2 VSWR(Test in free space)

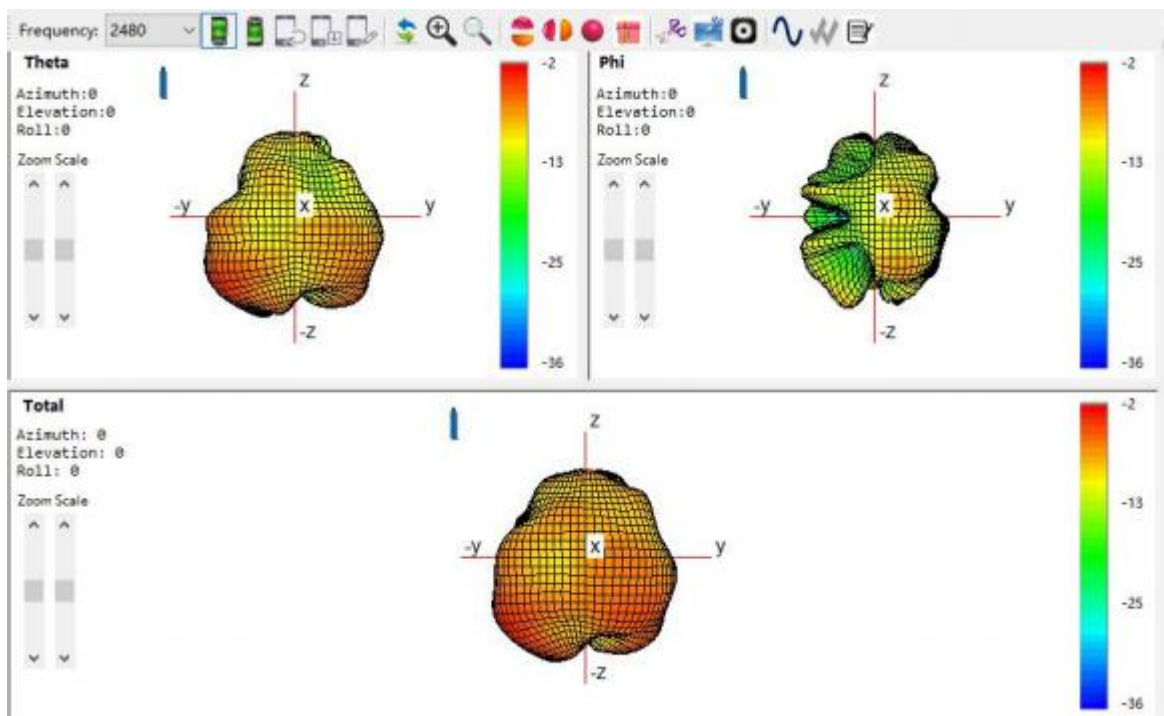
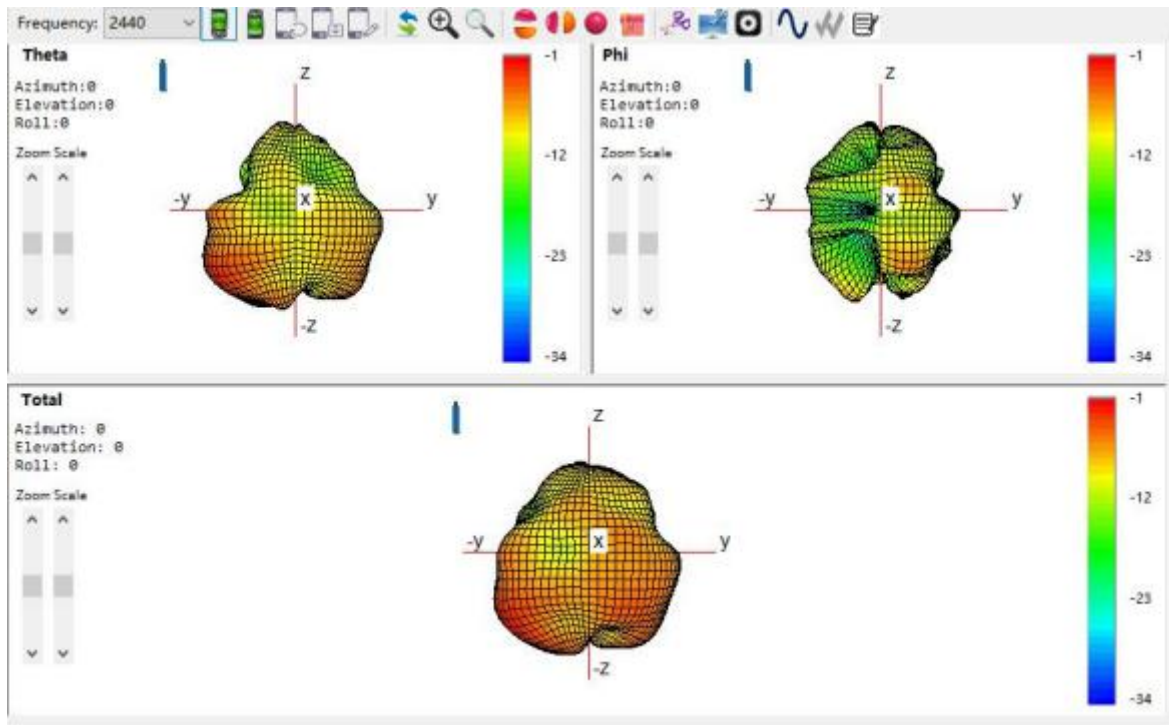


3.3 Gain&Efficiency

Frequency (MHz)	Gain(dB)	Efficiency(%)
2400	1.02	38.46
2410	1.11	39
2420	1.16	39.36
2430	1.11	39.27
2440	1.17	39.35
2450	1.02	39.45
2460	0.84	38.68
2470	0.62	37.41
2480	0.1	35.83
2490	-0.2	34.6
2500	-0.5	33.53

3.4 3D Radiation Pattern





4. Antenna Engineer drawing

1		2		3		4		5		6																																																									
A		B		C		D		A		B																																																									
环保要求: ☒ ROHS ☐ REACH 无 技术要求: 1、打*为必须尺寸及重点尺寸, 铜箔线路所有尺寸公差不得超过±0.05, 未注尺寸以图形为准。 2、FPC 黑色油墨, 白色丝印, 焊盘镀金0.5u, 3M9471背胶 <table border="1"><thead><tr><th colspan="4">深圳市朋伴兴业科技有限公司</th></tr><tr><th>来料公差标准</th><th>机种</th><th>料号</th><th>品名</th></tr></thead><tbody><tr><td>0-10 ±0.05</td><td>X1492-010</td><td>X1492-010-BT-A00</td><td>BT-FPC</td></tr><tr><td>10-16 ±0.06</td><td></td><td></td><td></td></tr><tr><td>16-30 ±0.08</td><td></td><td></td><td></td></tr><tr><td>30-40 ±0.09</td><td></td><td></td><td></td></tr><tr><td>40- ±0.10</td><td></td><td></td><td></td></tr></tbody></table><table border="1"><thead><tr><th>材料</th><th>特殊工艺</th><th>镀金</th><th>MD</th><th>RF</th><th>审核</th></tr></thead><tbody><tr><td>PI+Cu</td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table><table border="1"><thead><tr><th>共 1 页</th><th>第 1 页</th><th>单位</th><th>mm</th><th>比例</th><th>Ft</th><th>版本</th><th>V00</th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table> 记号 更改日期 更改人 更改内容 备注 4 5 6												深圳市朋伴兴业科技有限公司				来料公差标准	机种	料号	品名	0-10 ±0.05	X1492-010	X1492-010-BT-A00	BT-FPC	10-16 ±0.06				16-30 ±0.08				30-40 ±0.09				40- ±0.10				材料	特殊工艺	镀金	MD	RF	审核	PI+Cu						共 1 页	第 1 页	单位	mm	比例	Ft	版本	V00								
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5. 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 $35^{\circ}\text{C} \pm 2^{\circ}\text{C}$ Seals environment.

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

Evaluation: pass