

深圳市连兴创电子科技有限公司

产品承认书

客 户: 成都市和天创科技股份有限公司

项目名称: 天线 (X4AR)

物料名称 X4AR-BT

规格描述: BT 天线:X4AR-BT 70mm(连兴创)

物料颜色: 黄色

物料料号: WZZ010035002

样品版本: A/0

制作日期: 2026/04/07

备 注:

供应商确认

制作	确认	审核
签名: 唐红交	签名: 温勇鹏	签名: 王显通
日期: 2026.04.07	日期 2026.04.07	日期 2026.04.07

客户确认签核

结构确认	电子确认	品质 DQE	文控中心	签收部门
签名:	签名:	签名:	签名:	签名:
日期:	日期:	日期:	日期:	日期:

8Project:		Author:Wang	WZZ010035002
Date: 2026-04-07			
TEST:	Language:	Check: Zhong	
A	English		
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Shenzhen Lxc Electronics Technology Co ., Ltd			

Revision History

Date	Revision	Description of Changes
2026-04-07	RA	Measured with SUS301 sample.

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1 Technical Summary

This report summarizes the electrical results of the proposed antenna to support the program. We test the antenna with the latest version handset. And it seems to be acceptable.

2 General Description

2.1 Components/Part revisions

VSWR: Voltage Standing Wave Rate.

3 Mechanical Description

4 Electrical Performance

4.1 Set-up

4.1.1 VSWR

VSWR measurements (S11) were performed using an Agilent 8753D Network Analyzer and the previously described test fixture. Coaxial chokes were used to mitigate surface currents on the outside of the cabling. The testing was performed in free space.

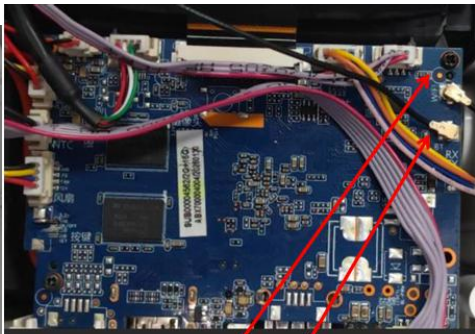
4.1.2 Gain & Radiation Patterns

The gain of the antenna was measured in the Lxc’s anechoic chamber. Coaxial chokes on the feed cable were used to mitigate surface currents. The chamber provides less than –30 dB reflectivity from 800 MHz through 3 GHz and an 18” diameter spherical quiet zone. The measurement results are calibrated using both dipole and leaky wave horn standards.

4.1.3 Matching Circuit Description

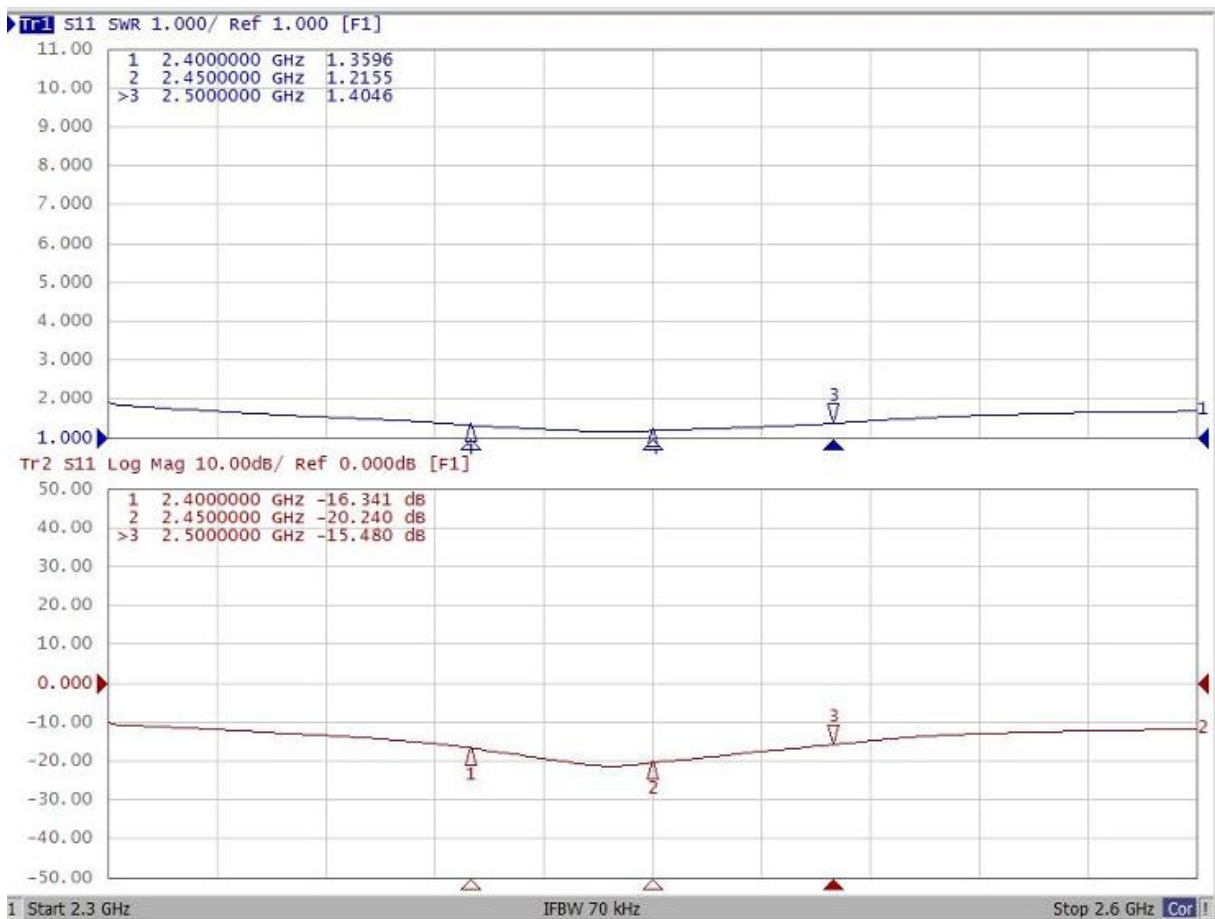
4.2 Measurement Data

4.2.1 Active result (WIFI)



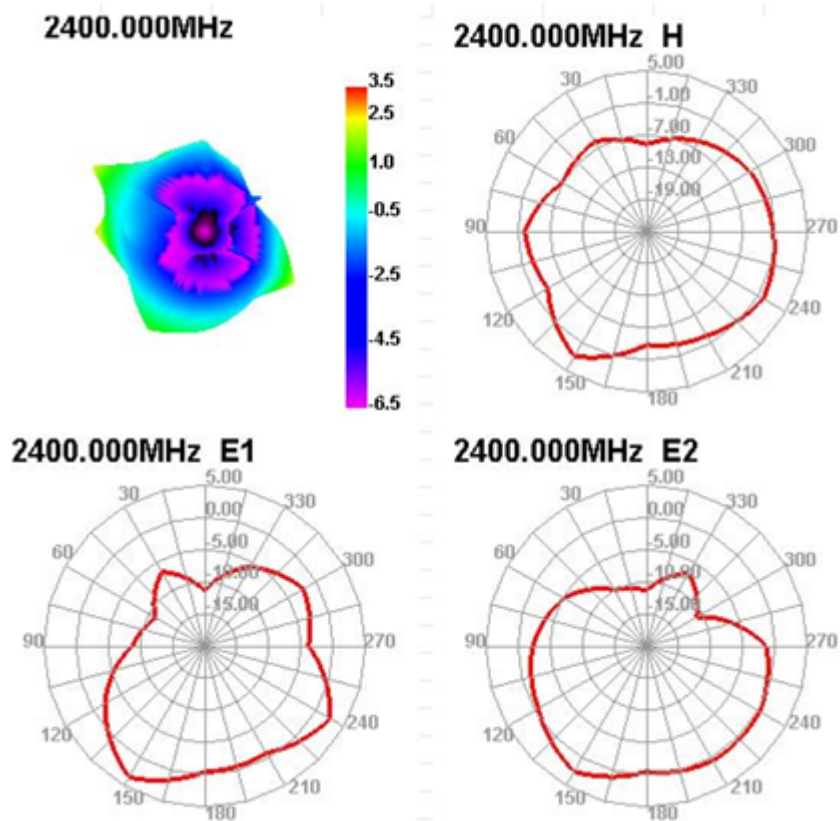
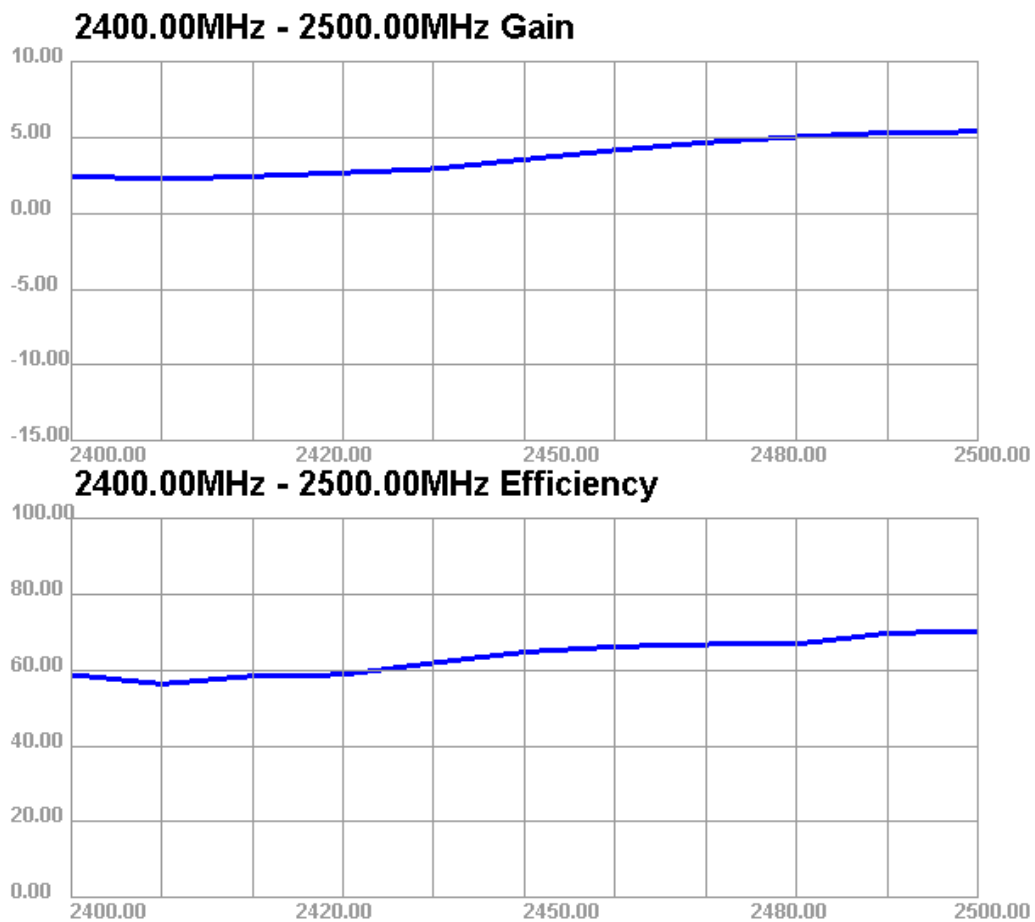
天线匹配未改动

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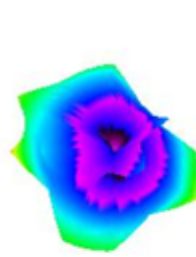
Freq	Effi	Gain
(MHz)	(%)	(dBi)
2400	61.99	3.52
2410	61.96	3.42
2420	59.93	3.28
2430	60.97	3.38
2440	63.65	3.4
2450	70.01	3.83
2460	71.73	3.76
2470	71	3.71
2480	76.91	3.98
2490	73.87	3.47
2500	75.37	3.78

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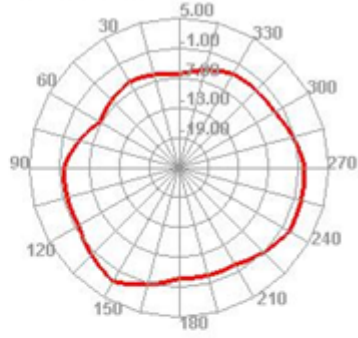


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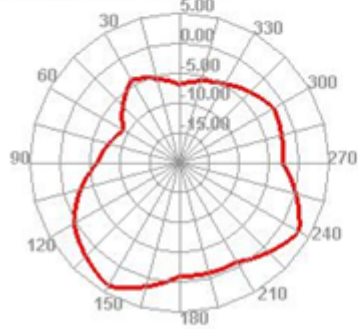
2450.000MHz



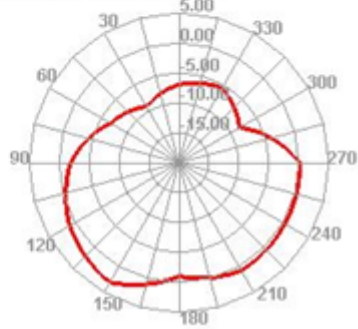
2450.000MHz H



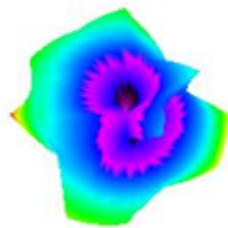
2450.000MHz E1



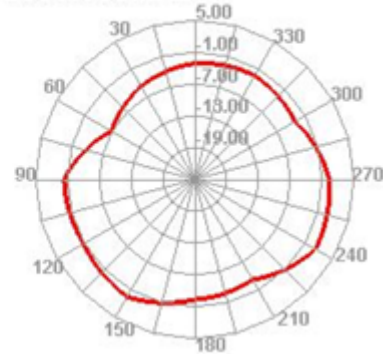
2450.000MHz E2



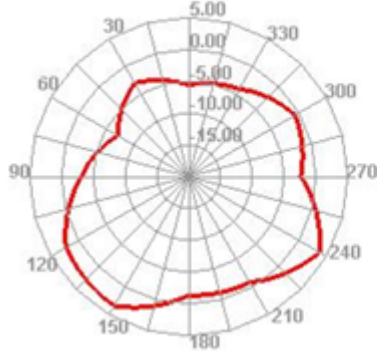
2500.000MHz



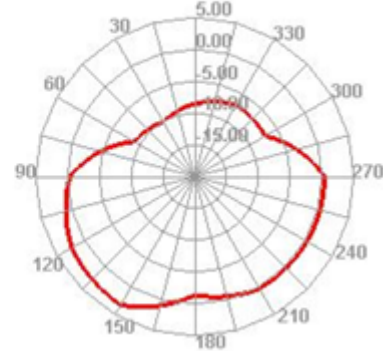
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



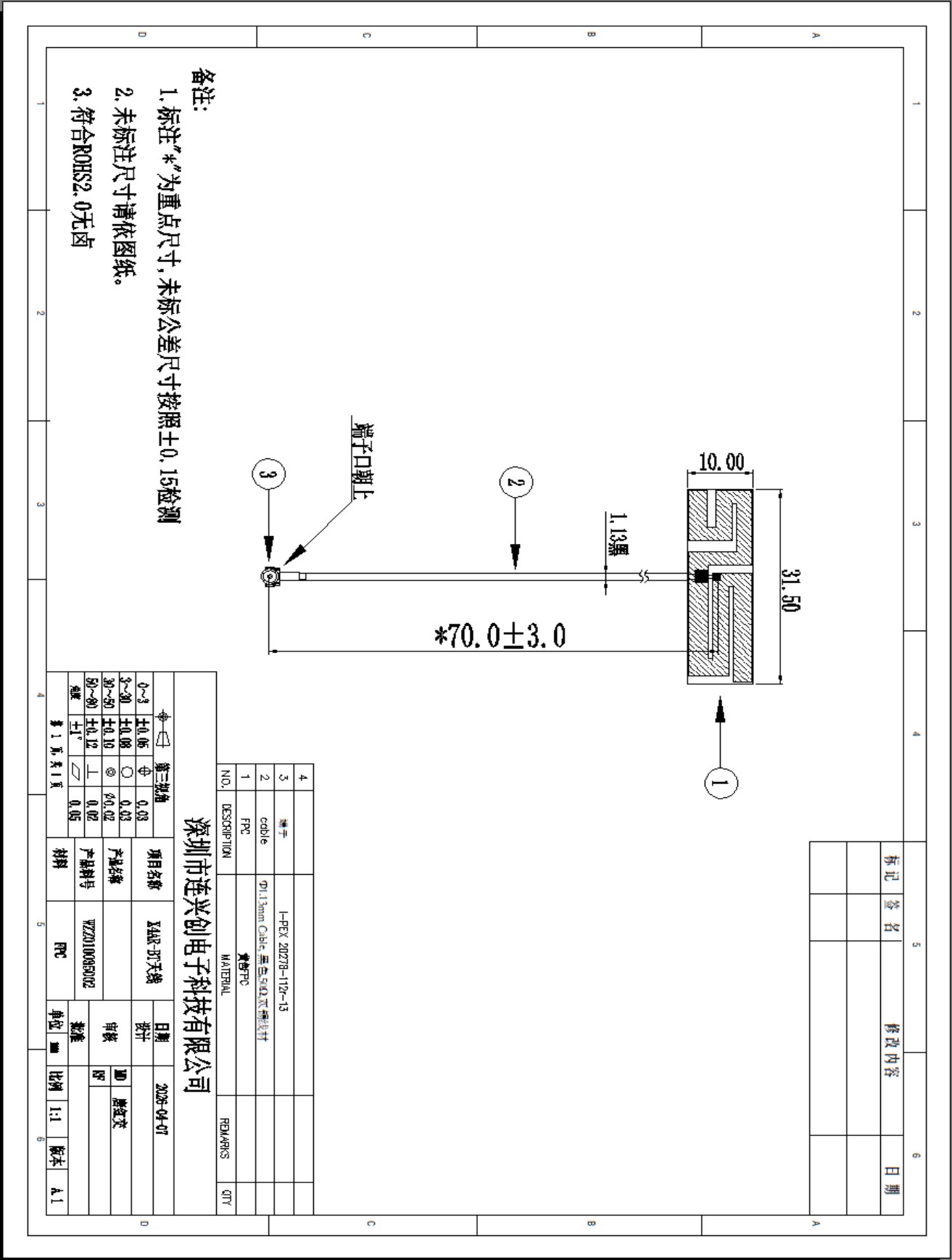
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按图安装BT天线

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6 Mechanical drawing



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