

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-WIFI

规格描述: WIFI 天线:X4AR-WIFI 150mm(连兴创)

物料颜色: 黄色

物料料号: WZZ010035001

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	WZZ010035001
Date: 2026-04-07			
TEST:	Language:	Check: Zhong	
A	English		
Address: 4th Floor, Building C, Jinruihua Industrial Park, No. 12 Huafang Road, Dalang Subdistrict, Longhua District, Shenzhen 电话: 0755-29195258 传真: 0755-29590286 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.

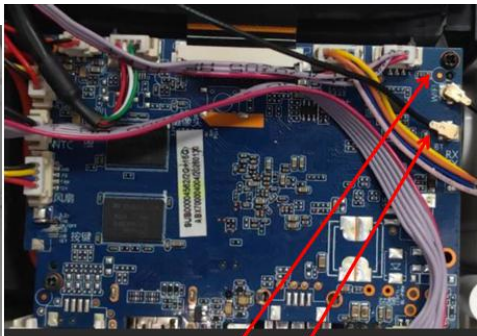
4.1.2 Gain & Radiation Patterns

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

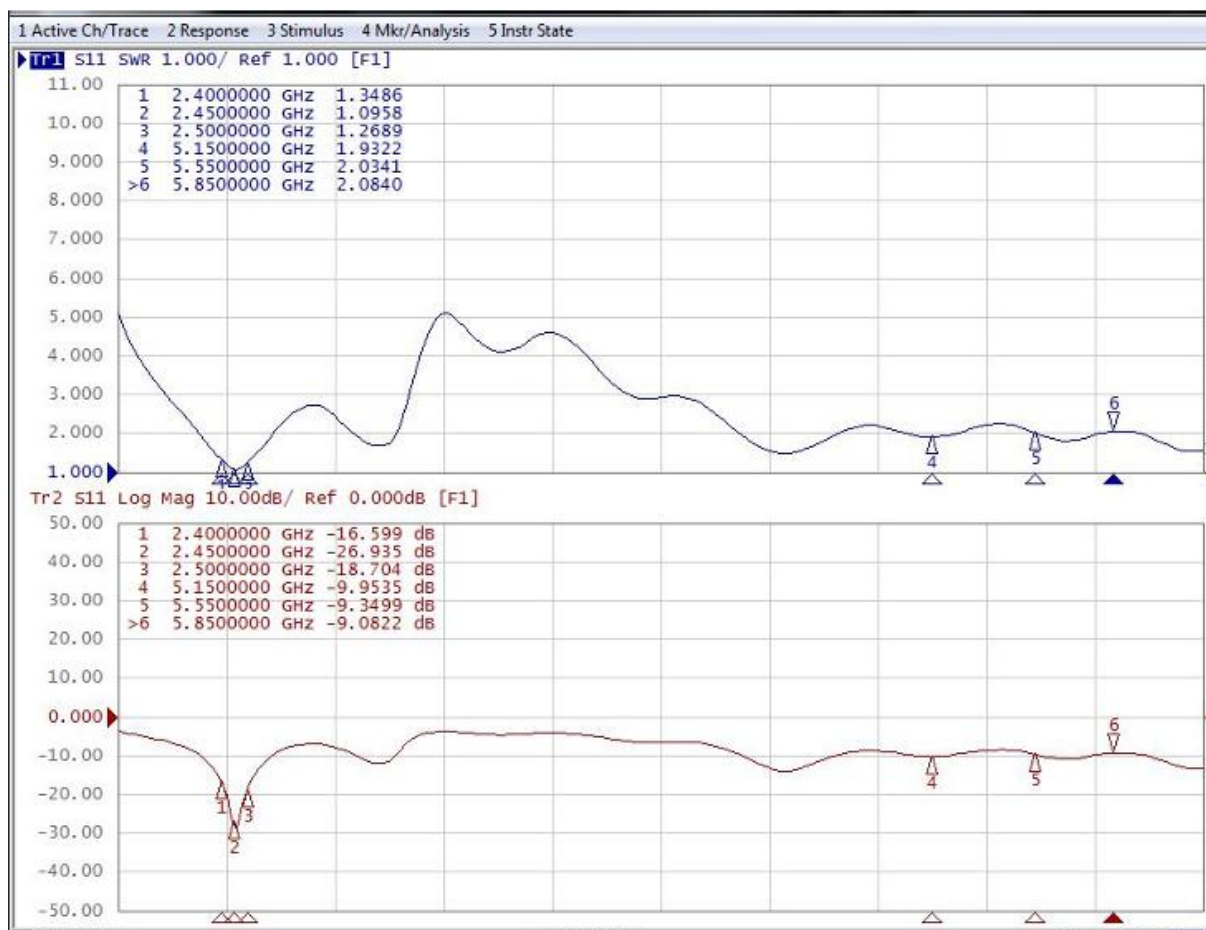
4.2 Measurement Data

4.2.1 Active result (WIFI)



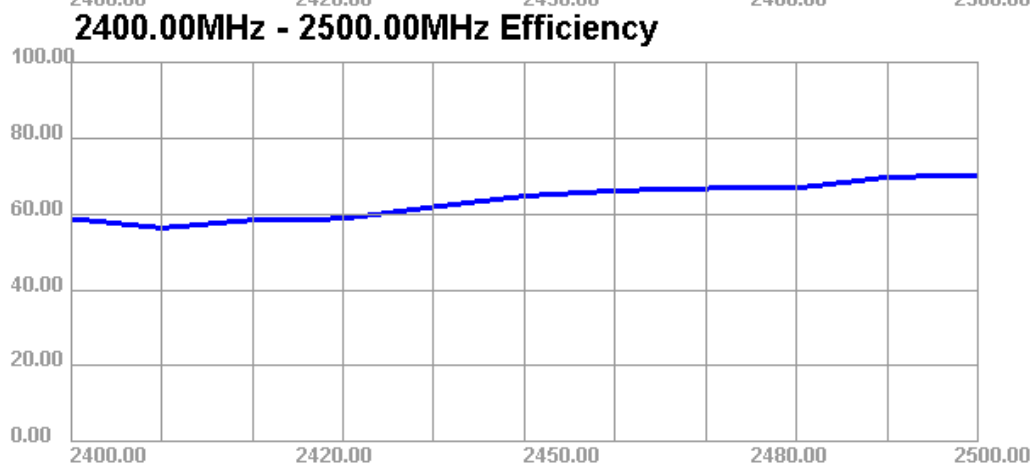
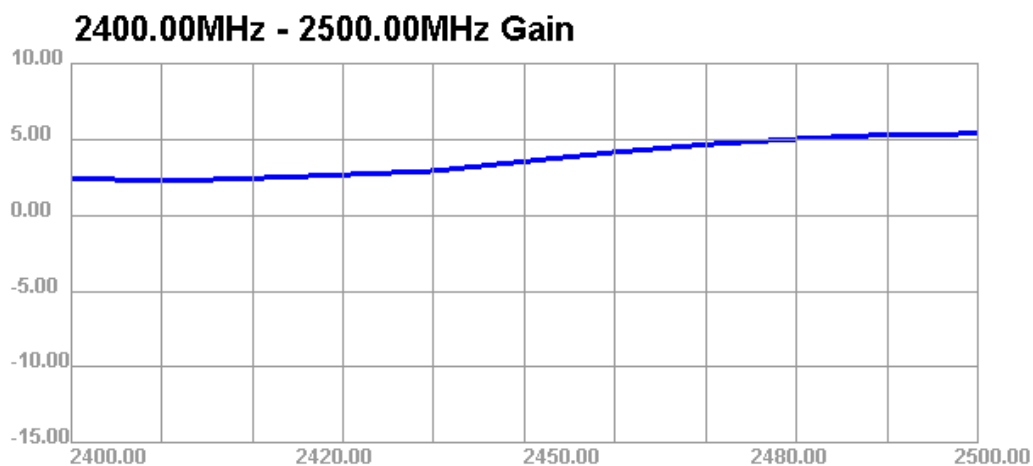
天线匹配未改动

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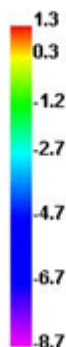
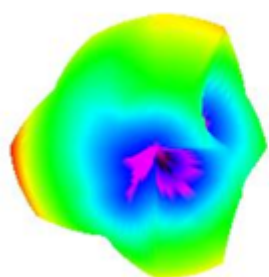


Freq	Effi	Gain
(MHz)	(%)	(dBi)
2400	54.39	1.3
2410	56.89	1.55
2420	54.97	1.4
2430	55.4	1.41
2440	60.68	1.82
2450	61.05	1.84
2460	65.18	2.19
2470	65.43	2.26
2480	68.36	2.47
2490	71.7	2.79
2500	72.33	2.83

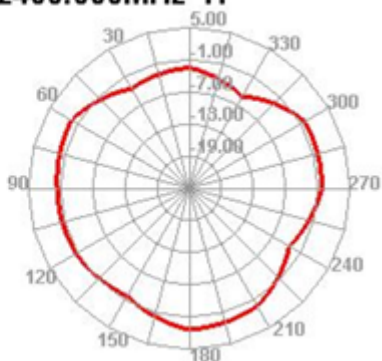
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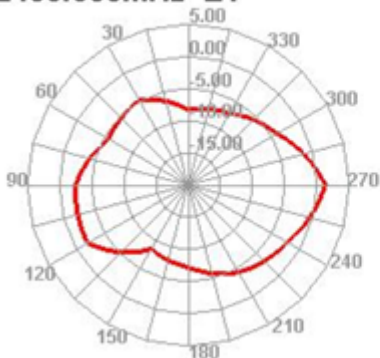
2400.000MHz



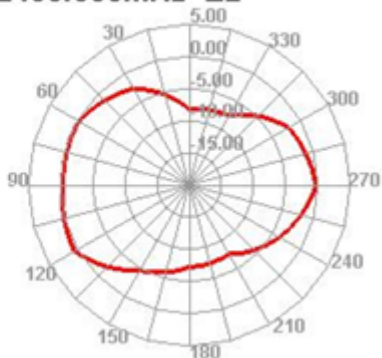
2400.000MHz H



2400.000MHz E1

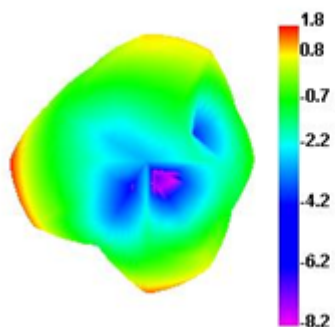


2400.000MHz E2

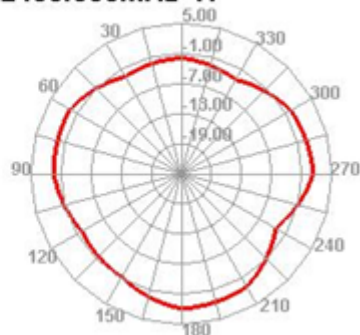


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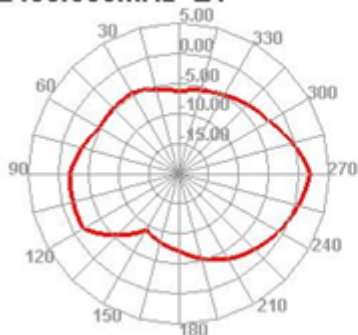
2450.000MHz



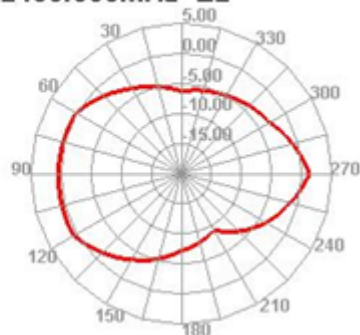
2450.000MHz H



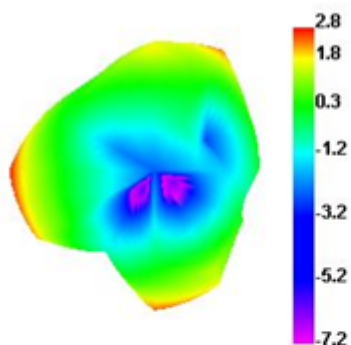
2450.000MHz E1



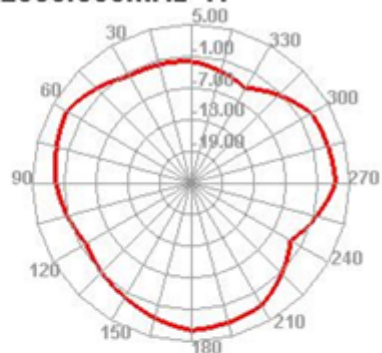
2450.000MHz E2



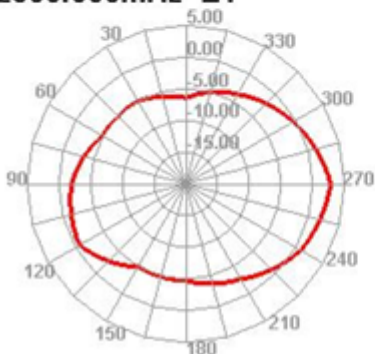
2500.000MHz



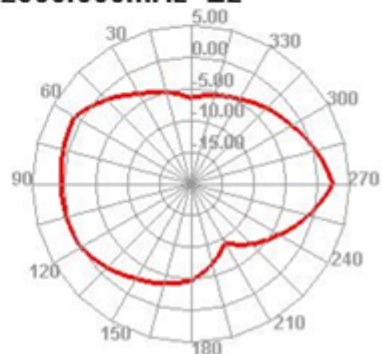
2500.000MHz H



2500.000MHz E1

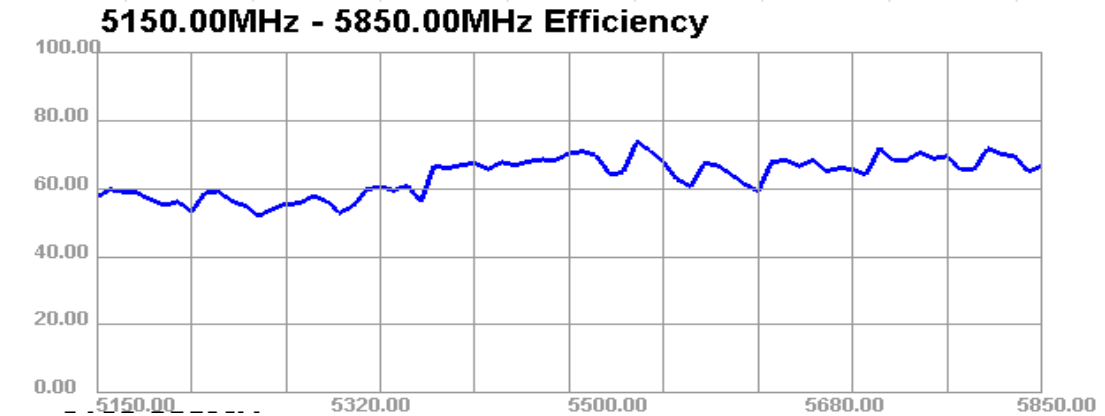
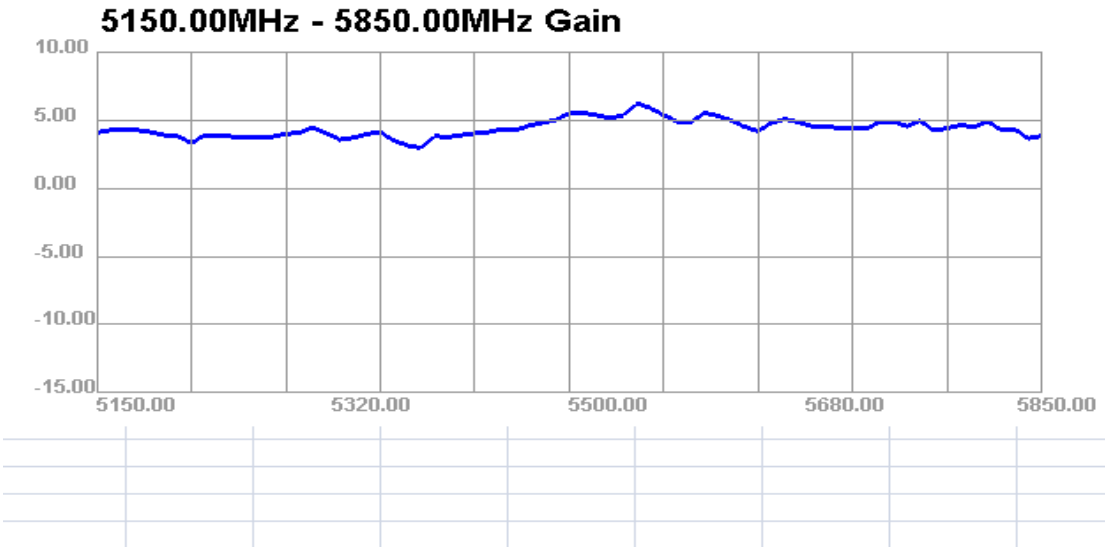


2500.000MHz E2



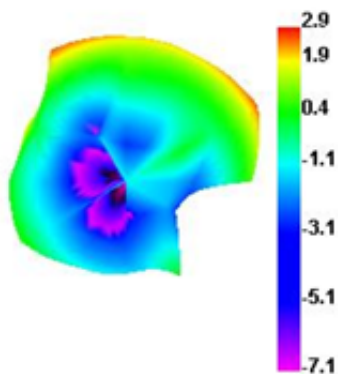
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Freq	Effi	Gain
(MHz)	(%)	(dBi)
5150	51.44	2.94
5350	60.22	3.12
5550	74.24	3.25
5650	61.95	3.0
5850	67.73	4.04

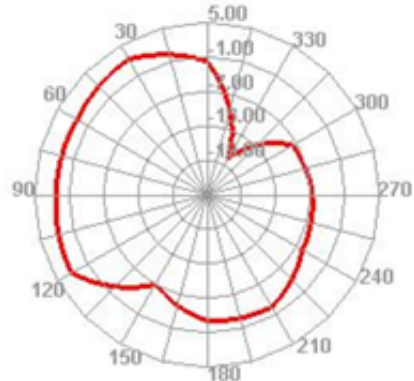


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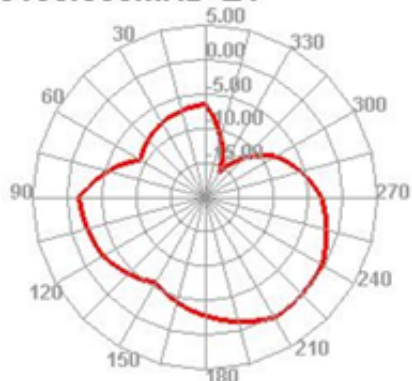
5150.000MHz



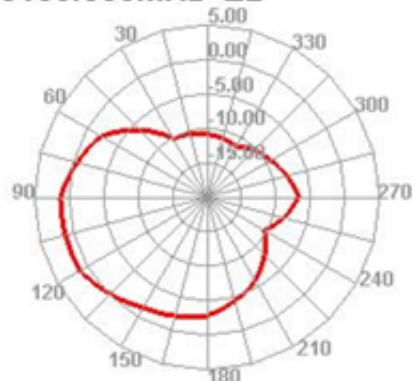
5150.000MHz H



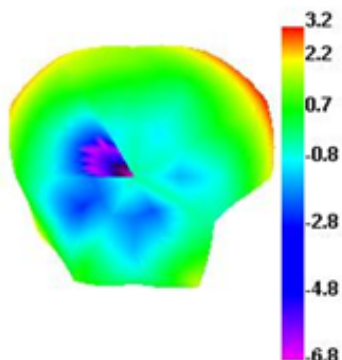
5150.000MHz E1



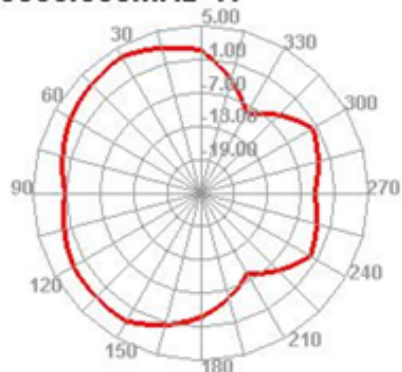
5150.000MHz E2



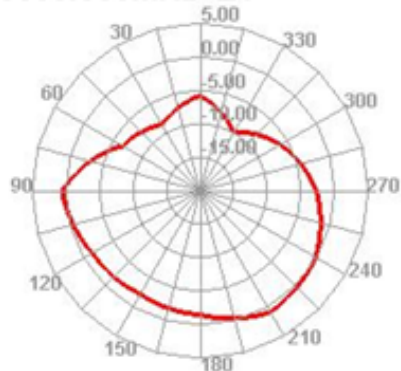
5500.000MHz



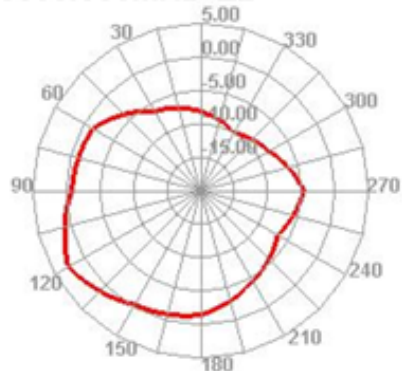
5500.000MHz H



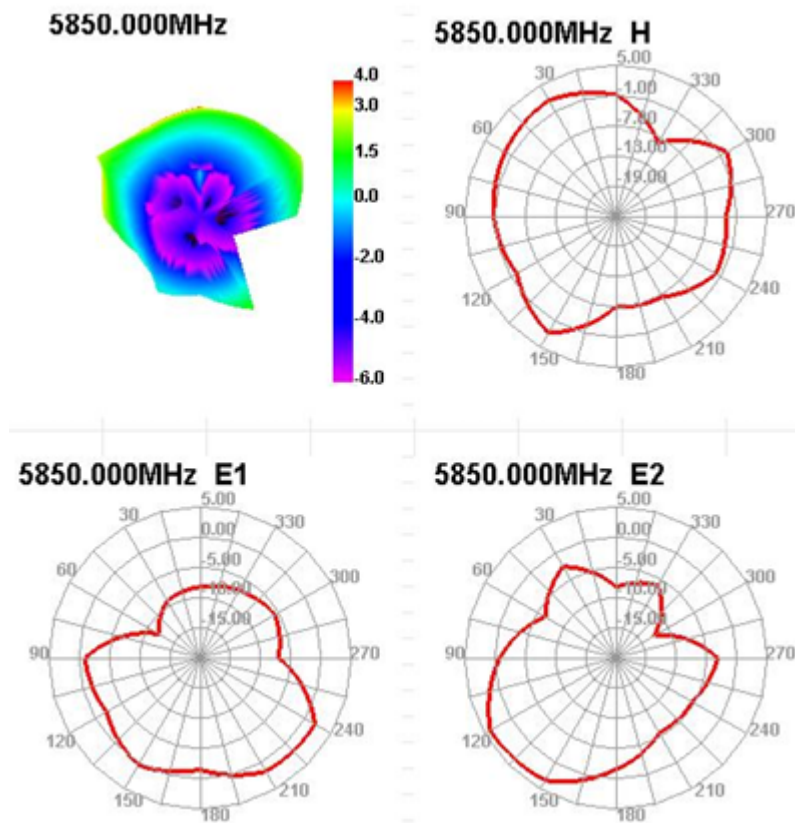
5500.000MHz E1



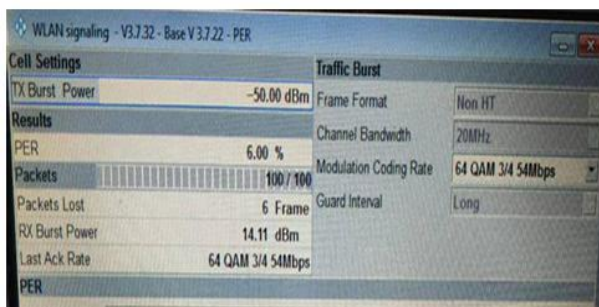
5500.000MHz E2



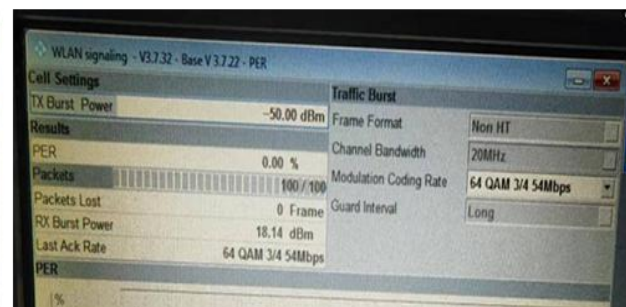
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WiFi(2.4G/B)	CH	TRP-(11M)	TIS-(11M)	WiFi(5G/A)	CH	TRP-(54M)	TIS-(54M)
	1	16.6			36	13.8	
	6	16.4			149	17.5	
	11	16.0	-73.6		165	17.3	-73.0



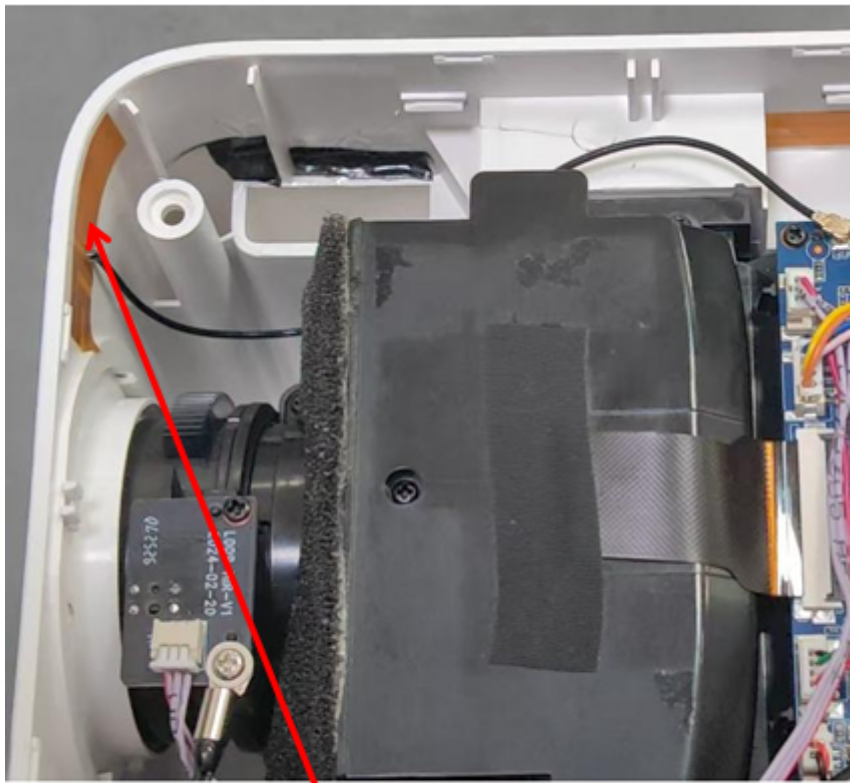
A模-36信道传导数据14.11dB



A模-165信道传导数据18.14dB

总结：5G的36信道传导偏低

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按图安装天线WIFI

按

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1	2	3	4	5	6
				标记	修改内容
				签名	日期

端子口朝下

31.50

10.00

1.13

2

3

*150.0±3.0

4	端子	I-FEX 20278-128-13	
2	cable	Φ1.3mm Cable, 黑色, 30.0, 无漆设计	
1	FPC	黑色FPC	
NO.	DESCRIPTION	MATERIAL	REMARKS
			QTY

备注:

- 标注“*”为重点尺寸, 未标公差尺寸按照±0.15检测
- 未标注尺寸请依图纸。
- 符合ROHS2.0无卤

深圳市连兴创电子科技有限公司

项目	第三阶段	日期	2025-04-07
项目名称	Y400-7777天线	设计	
产品规格	0~3 ±0.05	审核	
3~30 ±0.08	0.03	ID	黄红文
30~50 ±0.10	0.02	IP	
50~80 ±0.12	0.02		
80~100 ±0.15	0.05		
材料	FPC	单位	mm
		比例	1:1
		版本	A.1

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