

样品承认书

Parts Approval Sheet

供应商名称: 连兴创

部品名称: _____

【Supplier】

【Parts Name】

型号: LXC1BL200202502200002

星易美料号: _____

【Type】

【Stellamore P/N】

制造商名称: 连兴创

规格: _____

【Brand】

【Spec】

送样日期: 2025 年 2 月

资料版本: _____

【Send out Date】

【Version】

承认日期: 2025.02.20

样品数量: _____

【Approve Date】

【Sample Qty】

供应商 Supplier		星易美 Customer	
审核 Approved By	制作 Prepared By	承认 Confirmed By	审核 Approved By
肖国香	唐红交		

注: 供应商处需盖供应商公章或品质章



8Project:		Author:Wang	LXC1BL200202502200002 天线
Date: 2025-02-20			
TEST:	Language:	Check: Zhong	
A	English		
地址： 深圳市龙华区大浪街道华芳路 12 号金瑞华工业园 C 栋 4 楼 电话：0755-29195258 传真：0755-29590286 Shenzhen Lxc Electronics Technology Co ., Ltd			

Revision History

Date	Revision	Description of Changes
2025-02-20	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

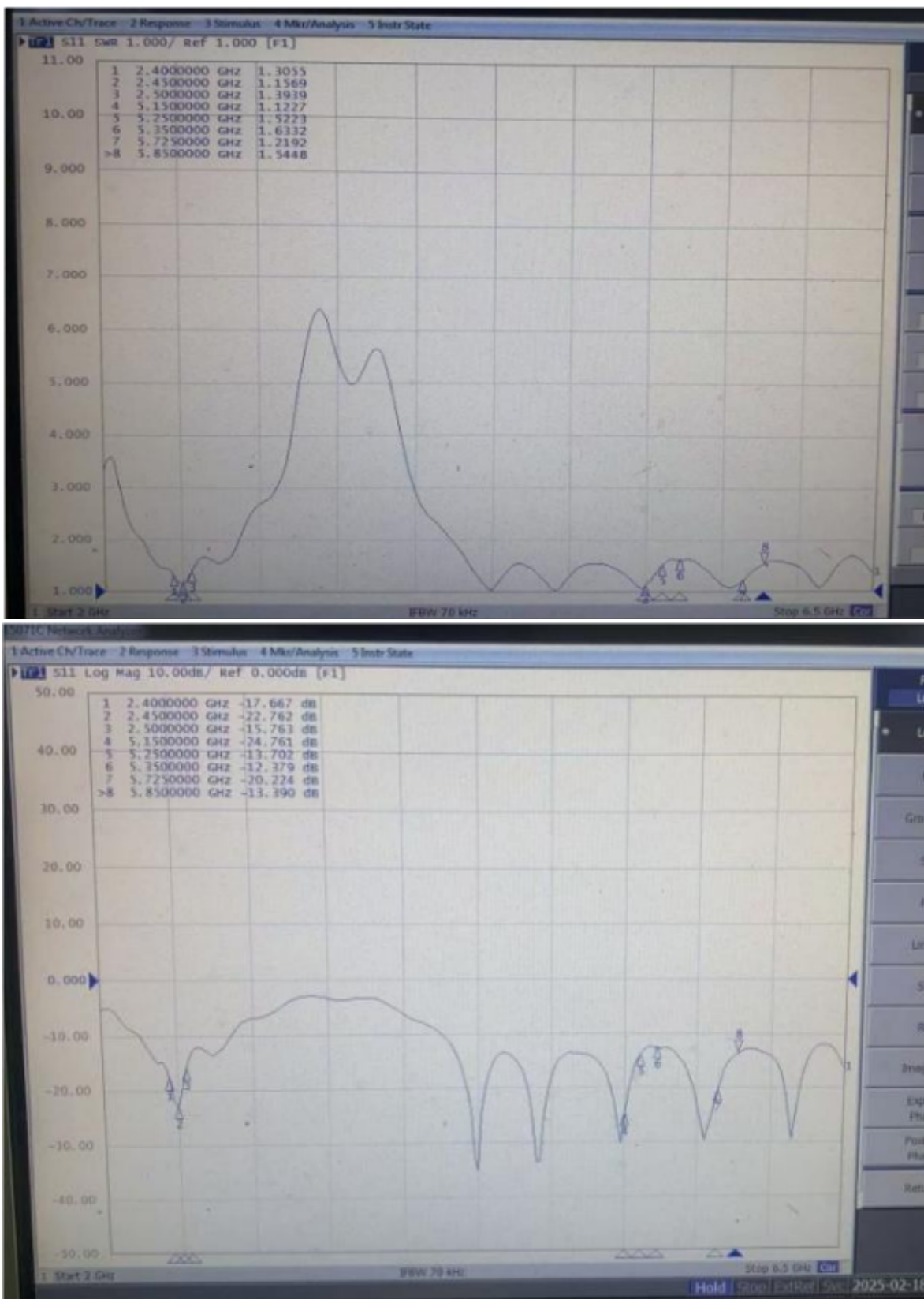
4.2 Measurement Data

4.2.1 Active result (WIFI)



1.13 黑线长度 200MM

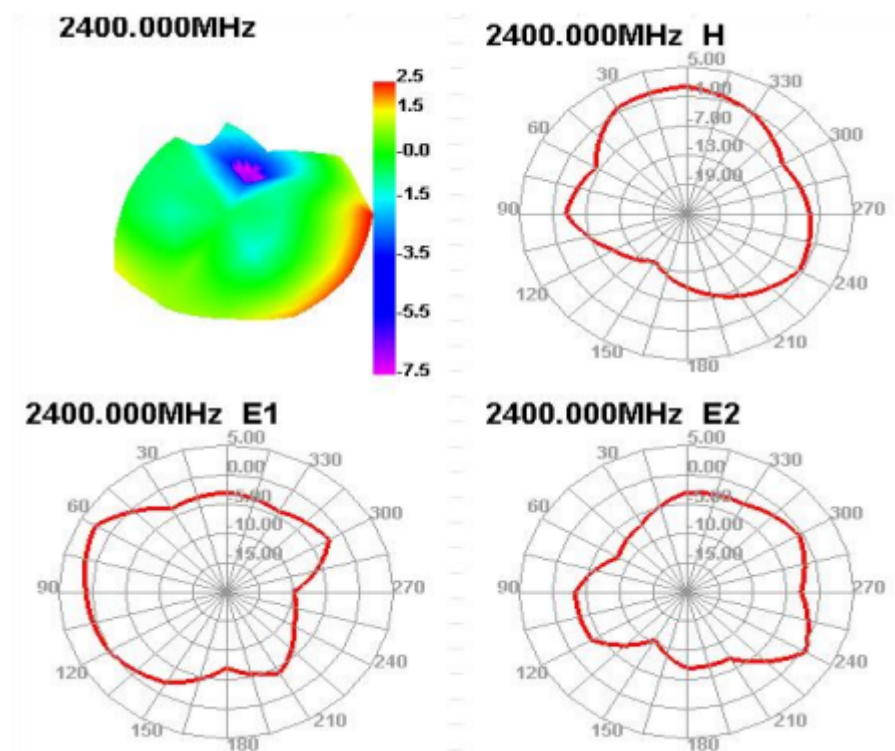
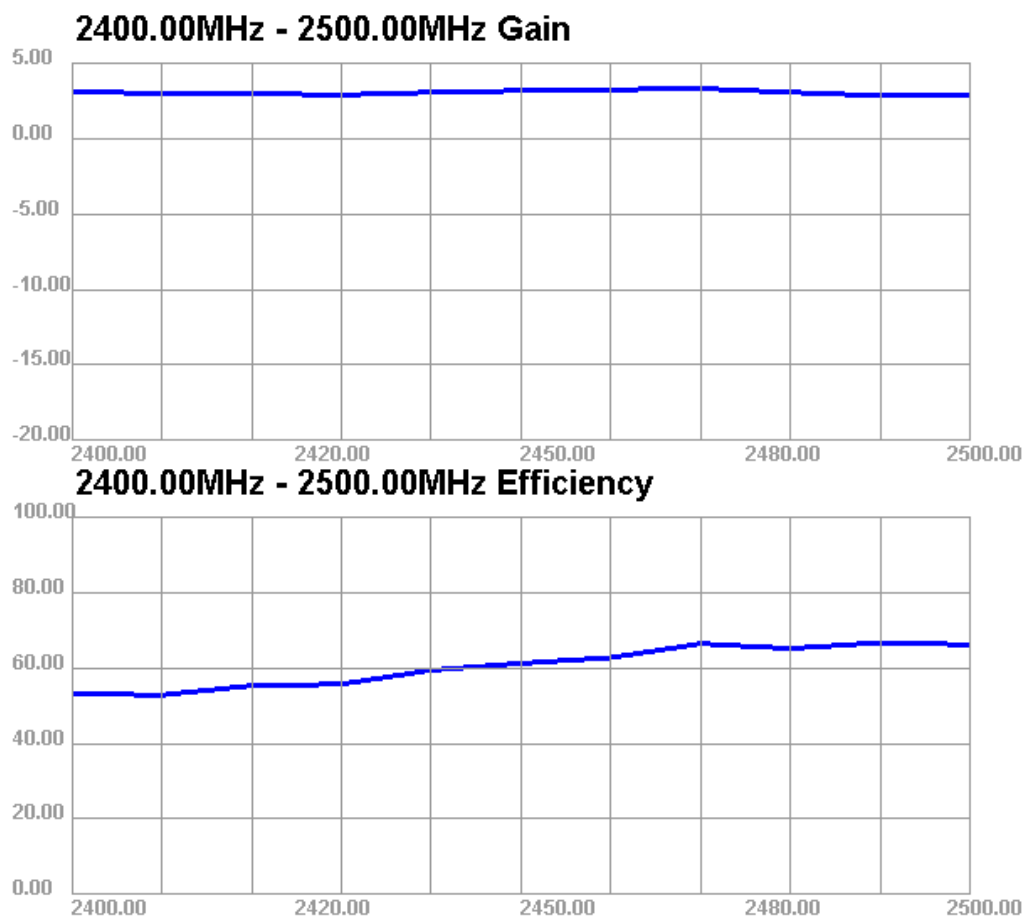
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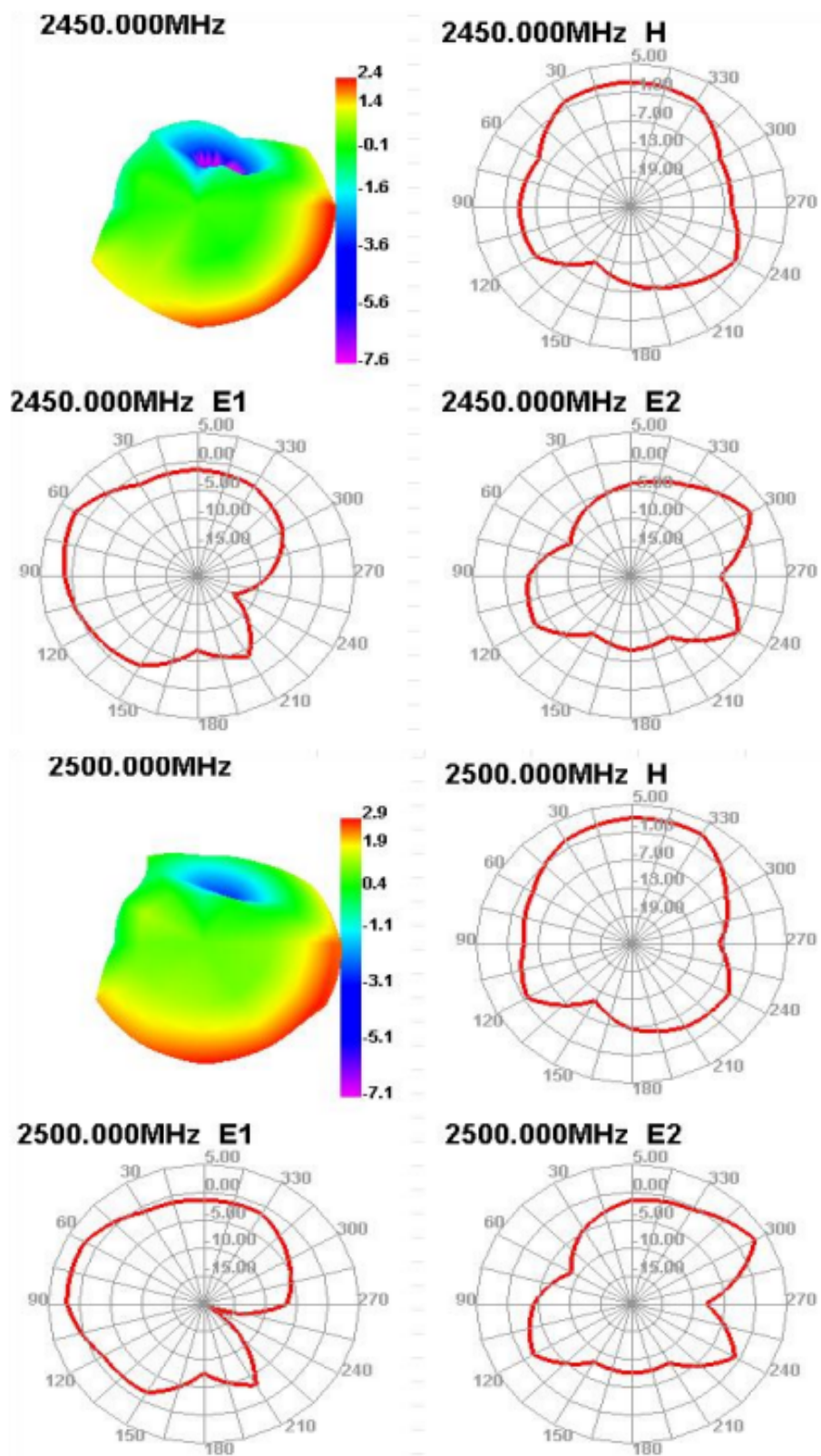
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Freq	Effi	Gain
(MHz)	(%)	(dBi)
2400	50.76	2.5
2410	52.51	2.57
2420	49.7	2.21
2430	49.1	2.04
2440	55.47	2.46
2450	54.84	2.35
2460	58.91	2.61
2470	57.75	2.5
2480	56.14	2.4
2490	61.09	2.8
2500	61.99	2.88

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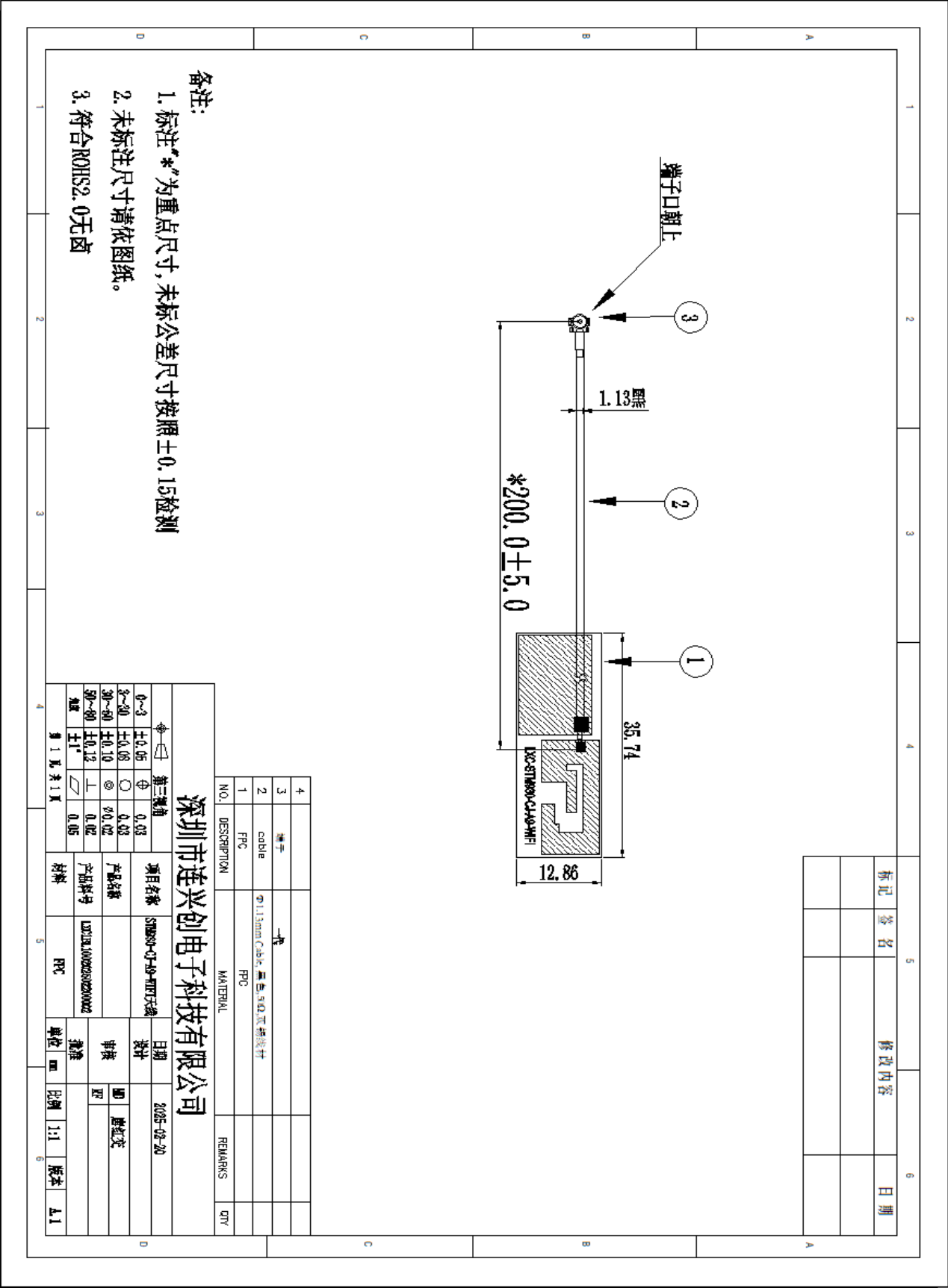


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WiFi(2.4G/B)	CH	功率(11M)	灵敏度(11M)	WiFi(2.4G/N)	CH	功率(MCS7)	灵敏度(MCS7)
	1	16.18	-79.13		1	15.26	-66.36
	6	16.65	-79.21		6	15.31	-66.41
	11	16.35	-79.35		11	15.23	-66.28
WiFi(2.4G/G)	CH	功率(54M)	灵敏度(54M)	WiFi(5G/A)	CH	功率(54M)	灵敏度(54M)
	1	15.85	-69.98		36	15.85	-70.57
	6	15.92	-69.95		149	15.92	-70.68
	11	16.05	-69.92		165	16.01	-70.83

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6 Mechanical drawing



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7 Reliability tests

7.1 Test content

No	试验项目	试验方法	判定基准
1	盐水喷雾试验	把盐浓度 5%的溶液喷雾 48HR	不能有变色, 歪 (变形) 脱落等的缺点 腐蚀面积不能过大

7.2 Test results

NO	样品数	试验期间	实验结果	备注
1	50	24 小时	OK	技术等级为 9 级 腐蚀<0.4mm
2	50	48 小时	OK	技术等级为 9 级 腐蚀<0.4mm

8 Conclusion

From the above test results, we can know the electrical performance of the antenna is seems good.

Shenzhen Lxc Electronics Technology Co ., Ltd ,look forward to your confirmation,
thank you for your cooperation !

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