



深圳市扬跃电子通信科技有限公司

Shenzhen Yangyue Electronic Communication Technology Co., Ltd.

SPECIFICATION FOR APPROVAL

承認書

Customer Name	迪普胜
Product name	WIFI/BT天线
Product number	YY-20260811-01
Prepared By	覃静涟
Checked By	
Approved By	
Apply Date	2026 年 8 月 11 日

CUSTOMER SIGNATURE		
Prepared By	Checked By	Approved By
PLEASE RETURN TO US ONE COPY OF "SPECIFICATION FOR APPROVAL" WITH YOUR APPROVED SIGNATURES.		

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频率范围 Frequency range	WiFi: 2400-2500(MHz) BT: 2400-2500(MHz)
输入阻抗 Input Impedance	50 ± 5 (Ω)
极化方式 Polarization	垂直极化+水平极化



Revision History

Date	Revision	Description of Changes
2026-8-11	REV: A.0	Measured WiFi/BT Antenna by sample.

1 Technical Summary

This report summarizes the electrical results of the proposed antenna to support the WiFi/BT Antenna 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 5071D 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

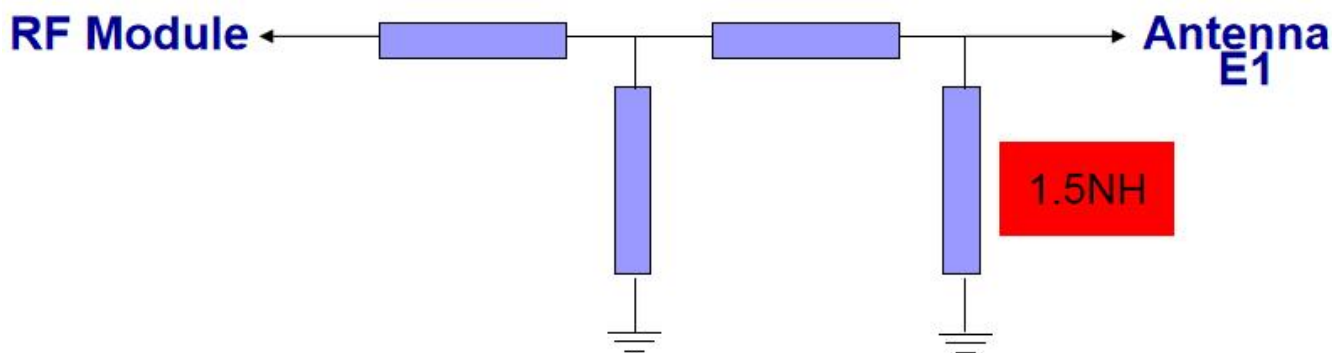
The gain of the antenna was measured in the Lxc's anechoic chamber. Coaxial chokes on the feed cable were used to mitigate surface currents. The chamber provides less than -30 dB reflectivity from 300 MHz through 3 GHz and an 18" diameter spherical quiet zone. The measurement results are calibrated using both dipole and leaky wave horn standards.

4.1.3 Matching Circuit Description

No changed..



4.2. 1 Matching circuits

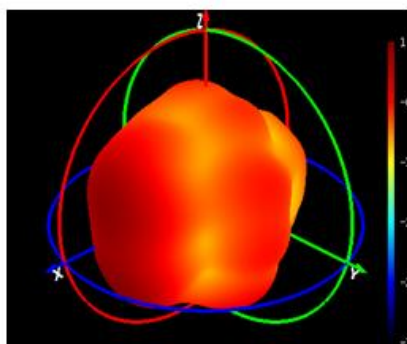
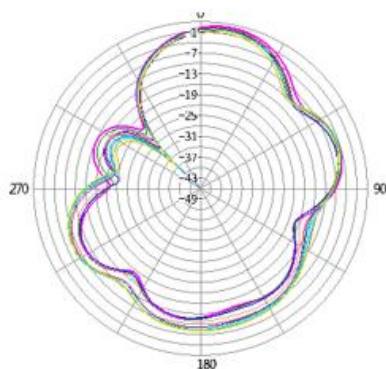
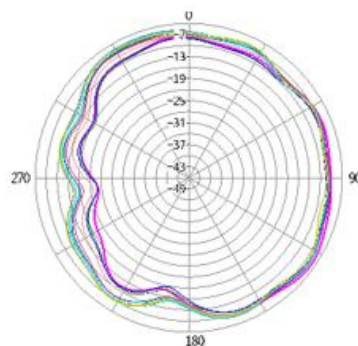
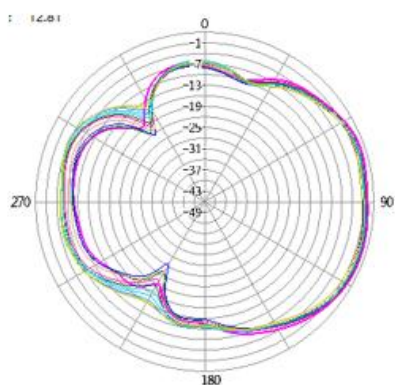


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4.2.2 Efficiency /gains

频率(MHz)	增益(dBi)	效率(%)
2400	0.46	33.32
2410	0.13	30.55
2420	0.37	32.83
2430	0.08	28.74
2440	0.02	27.07
2450	0.23	31.42
2460	0.75	39.66
2470	0.43	35.95
2480	0.34	32.42
2490	0.56	37.93
2500	0.45	36.96





5.Mechanical drawing

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6 Reliability tests

6.1 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 24HR	不能有变色，歪（变形）脱落等的缺点 腐蚀面积不能过大

6.2 Test results

NO	样品数	试验期间	实验结果	备注
1	10	24 小时	OK	技术等级为 9 级 腐蚀<0.4mm

7 Conclusion

以上数据表明此 WiFi/BT 天线参数均已达标。性能以装机后的实际使用效果为准。

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

ShenZhen Yangyue Electronic Communication Technology Co., Ltd, look forward to your confirmation,
thank you for your cooperation !