

VLG TECHNOLOGY

ShenZhen VLG Wireless TECHNOLOGY CO.,LTD

Shenzhen Weiligu Wireless Technology Co., Ltd.

Acknowledgement

W3 FPC ANT

www.vlg.com.cn

VLG has possession of proprietary information provided in this report and this proprietary information shall be kept in strict confidence and not disclosed to any person or firm without the prior written consent of VLG Communication Technology.

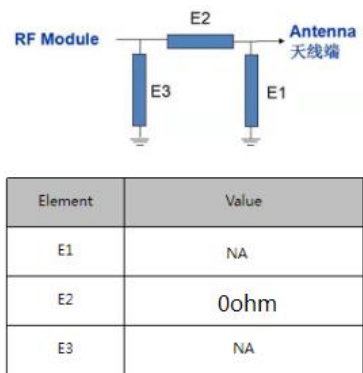
2400-2500MHz 频段。

1、Specification

wifi 天线工作频段在 2400-2500MHz 频段，下表是天线的无源性能测试指标。

2、Electrical properties

2.1Antenna matching circuit:



2.2Return loss test

2.3.1 Test setup

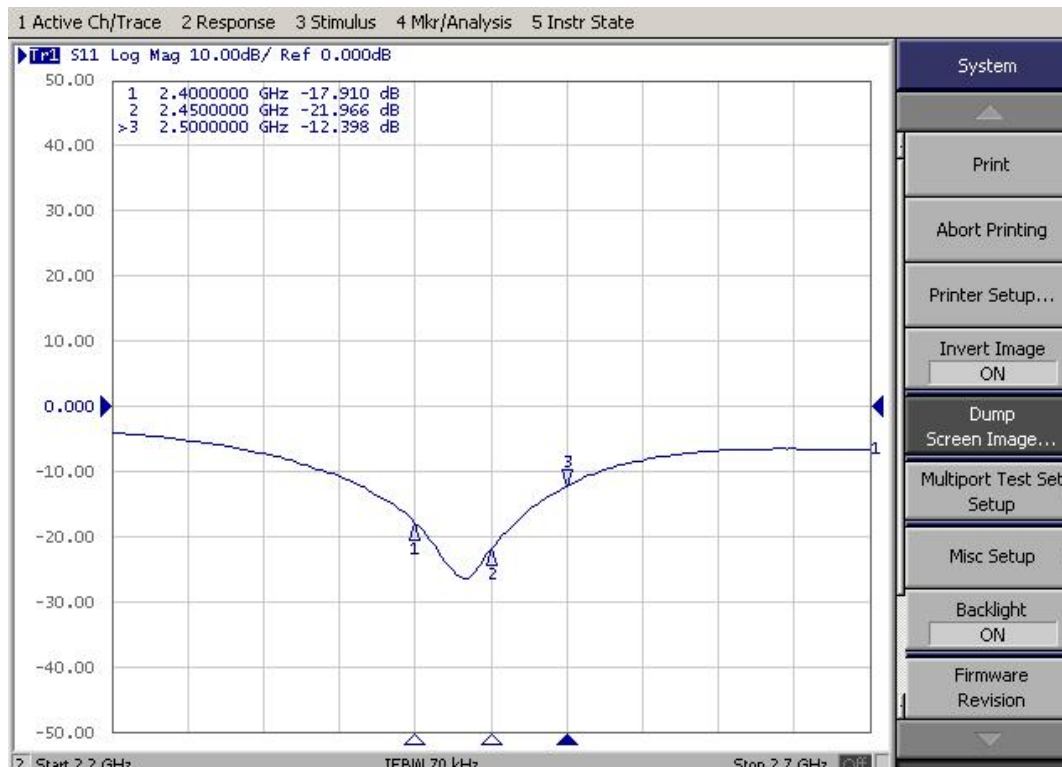
VSWR 测试装置依次的连接为：8714ET 网络分析仪→50 欧姆的同轴 Cable→测试治具。

Processing of the test fixture: Use a cable to lead out the SMA connector at the 50-ohm test point of the antenna, connect it to the copper tube with a choke, and then connect other devices in turn.

2.3.2Antenna RL:

www.vlg.com.cn

VLG Communication has possession of proprietary information provided in this report and this proprietary information shall be kept in strict confidence and not disclosed to any person or firm without the prior written consent of VLG Communication Technology.



2.4 Passive test data:

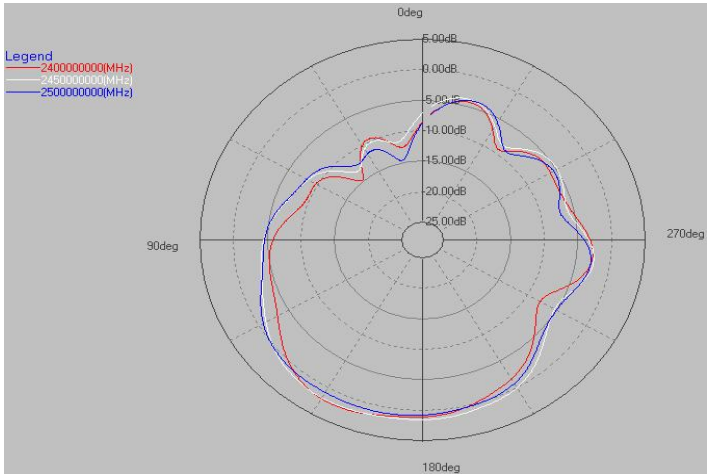
Frequency . MHz	Efficiency	Efficiency . dB	Gain . dBi
2400000000	60%	-2.25	3.60
2410000000	61%	-2.16	3.69
2420000000	62%	-2.11	3.79
2430000000	61%	-2.13	3.78
2440000000	60%	-2.20	3.66
2450000000	63%	-2.03	3.88
2460000000	66%	-1.82	4.12
2470000000	65%	-1.86	4.29
2480000000	64%	-1.91	4.38
2490000000	67%	-1.73	4.61
2500000000	68%	-1.71	4.66

www.vlg.com.cn

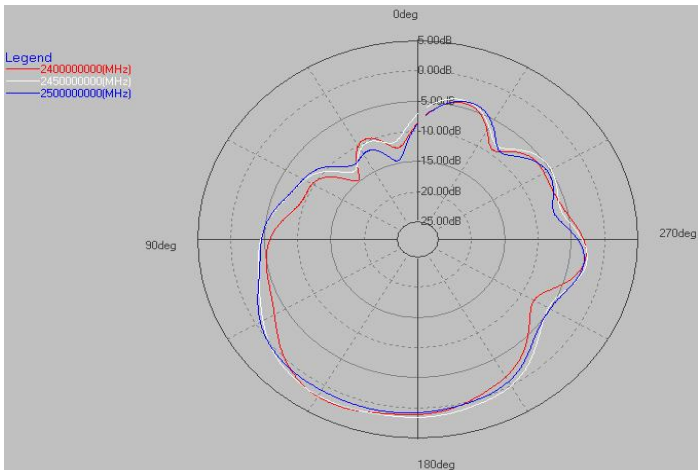
VLG Communication has possession of proprietary information provided in this report and this proprietary information shall be kept in strict confidence and not disclosed to any person or firm without the prior written consent of VLG Communication Technology.

3 Antenna 2D diagram:

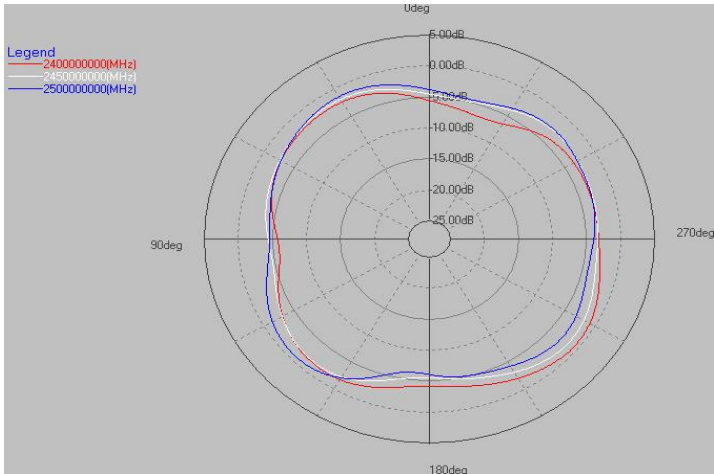
H



E1



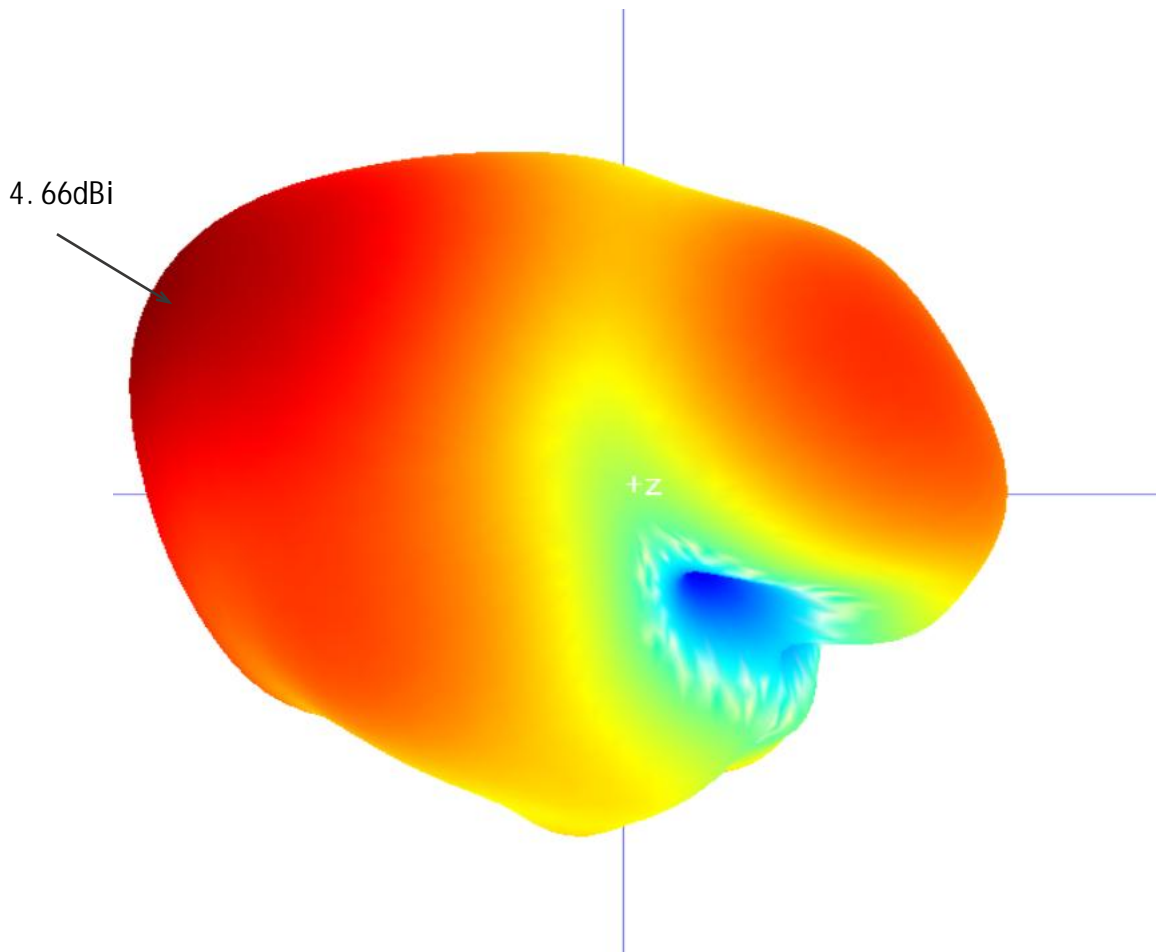
E2



www.vlg.com.cn

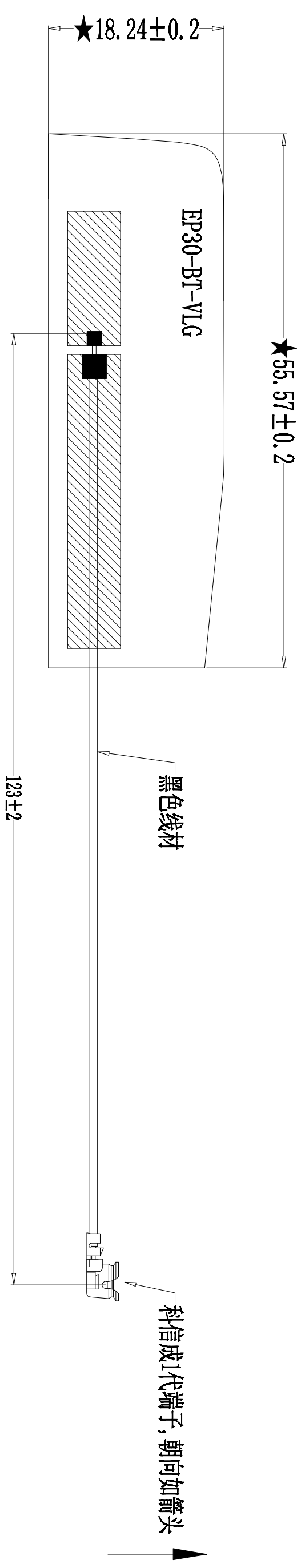
VLG Communication has possession of proprietary information provided in this report and this proprietary information shall be kept in strict confidence and not disclosed to any person or firm without the prior written consent of VLG Communication Technology.

4 Antenna 3D diagram:



www.vlg.com.cn

VLG Communication has possession of proprietary information provided in this report and this proprietary information shall be kept in strict confidence and not disclosed to any person or firm without the prior written consent of VLG Communication Technology.

1		2		3		4		5		6		7		8																																																																																																																																																															
A																																																																																																																																																																													
Unit : mm																																																																																																																																																																													
																																																																																																																																																																													
B																																																																																																																																																																													
C																																																																																																																																																																													
技术要求: 1. 打“★”为严格控制尺寸; 2. 打“△”为修改尺寸; 3. 产品形状刀模尺寸要严格控制; 4. 表面无油污, 杂质, 毛刺等。 5. 不经过VLG公司确认, 材料不能随意更改; 6. 包装以及品质标准分别参考VLG包装规范和VLG品质标准; 7. 产品必须符合EU DIRECTIVE 2002/95/EC (ROHS) 的要求。																																																																																																																																																																													
D																																																																																																																																																																													
<table><tr><td colspan="16">深圳市维力谷无线技术股份有限公司</td></tr><tr><td colspan="16">Shenzhen VLG Wireless Technology Co.,Ltd</td></tr><tr><td colspan="2">第三视角</td><td colspan="2">机种</td><td colspan="2">EP30</td><td colspan="2">日期</td><td colspan="2">2020.07.10</td><td colspan="2">页码</td><td colspan="2">1/1</td></tr><tr><td colspan="2">0~10</td><td colspan="2">±0.10</td><td colspan="2">○</td><td colspan="2">0.02</td><td colspan="2">品名</td><td colspan="2">BT天线成品图</td><td colspan="2">绘图</td><td colspan="2">周堃</td></tr><tr><td colspan="2">10~20</td><td colspan="2">±0.15</td><td colspan="2">◎</td><td colspan="2">ø 0.03</td><td colspan="2">料号</td><td colspan="2">VI931-004-A-1</td><td colspan="2">品质审核</td><td colspan="2"></td></tr><tr><td colspan="2">20~40</td><td colspan="2">±0.20</td><td colspan="2">┴</td><td colspan="2">0.02</td><td colspan="2">材质</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">> 40</td><td colspan="2">±0.25</td><td colspan="2">▤</td><td colspan="2">0.04</td><td colspan="2">模面处理</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">角 度</td><td colspan="2">±0.5°</td><td colspan="2">∟</td><td colspan="2">0.02</td><td colspan="2">外观处理</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">请勿实测图纸位置</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">5</td><td colspan="2">6</td><td colspan="2">7</td><td colspan="2">8</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr></table>																深圳市维力谷无线技术股份有限公司																Shenzhen VLG Wireless Technology Co.,Ltd																第三视角		机种		EP30		日期		2020.07.10		页码		1/1		0~10		±0.10		○		0.02		品名		BT天线成品图		绘图		周堃		10~20		±0.15		◎		ø 0.03		料号		VI931-004-A-1		品质审核				20~40		±0.20		┴		0.02		材质								> 40		±0.25		▤		0.04		模面处理								角 度		±0.5°		∟		0.02		外观处理								请勿实测图纸位置																5		6		7		8									
深圳市维力谷无线技术股份有限公司																																																																																																																																																																													
Shenzhen VLG Wireless Technology Co.,Ltd																																																																																																																																																																													
第三视角		机种		EP30		日期		2020.07.10		页码		1/1																																																																																																																																																																	
0~10		±0.10		○		0.02		品名		BT天线成品图		绘图		周堃																																																																																																																																																															
10~20		±0.15		◎		ø 0.03		料号		VI931-004-A-1		品质审核																																																																																																																																																																	
20~40		±0.20		┴		0.02		材质																																																																																																																																																																					
> 40		±0.25		▤		0.04		模面处理																																																																																																																																																																					
角 度		±0.5°		∟		0.02		外观处理																																																																																																																																																																					
请勿实测图纸位置																																																																																																																																																																													
5		6		7		8																																																																																																																																																																							
D																																																																																																																																																																													
<table><tr><td colspan="2">序号</td><td colspan="2">修 改</td><td colspan="2">内 容</td><td colspan="2">日期</td><td colspan="2">设计</td><td colspan="2">备 注</td></tr><tr><td colspan="2">1</td><td colspan="2">2</td><td colspan="2">3</td><td colspan="2">4</td><td colspan="2">5</td><td colspan="2">6</td></tr></table>																序号		修 改		内 容		日期		设计		备 注		1		2		3		4		5		6																																																																																																																																							
序号		修 改		内 容		日期		设计		备 注																																																																																																																																																																			
1		2		3		4		5		6																																																																																																																																																																			