

VLG TECHNOLOGY

ShenZhen VLG Wireless TECHNOLOGY CO.,LTD

Shenzhen Weiligu Wireless Technology Co., Ltd.

Acknowledgement

W3 FPC ANT

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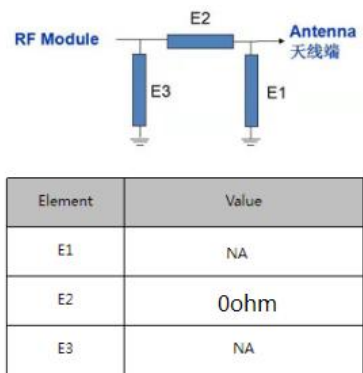
2400-2500MHz 频段。

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

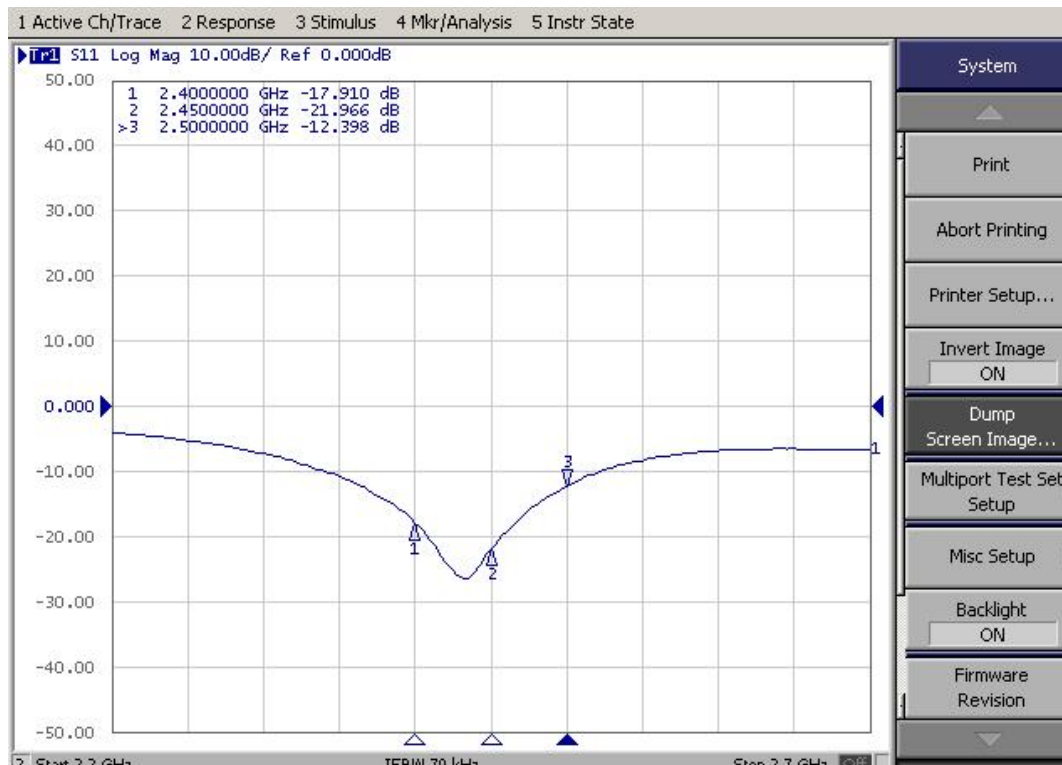
VSWR 测试装置依次的连接为：8714ET 网络分析仪 → 50 欧姆的同轴 Cable → 测试治具。

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:

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2.4 Passive test data:

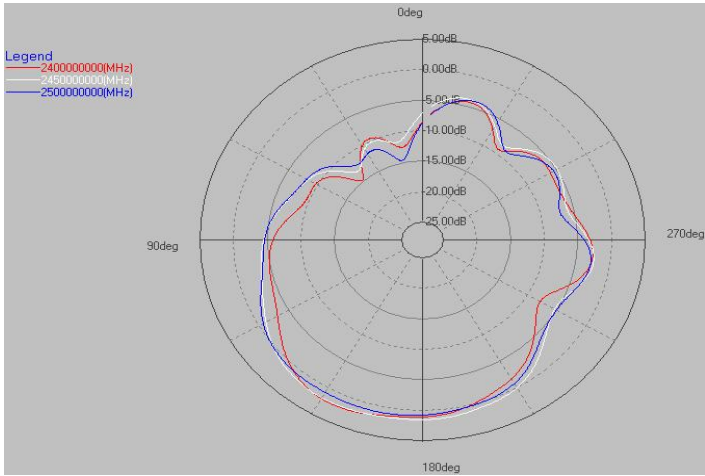
Frequency . MHz	Efficiency	Efficiency . dB	Gain . dBi
2400000000	60%	-2.25	3.60
2410000000	61%	-2.16	3.69
2420000000	62%	-2.11	3.79
2430000000	61%	-2.13	3.78
2440000000	60%	-2.20	3.66
2450000000	63%	-2.03	3.88
2460000000	66%	-1.82	4.12
2470000000	65%	-1.86	4.29
2480000000	64%	-1.91	4.38
2490000000	67%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

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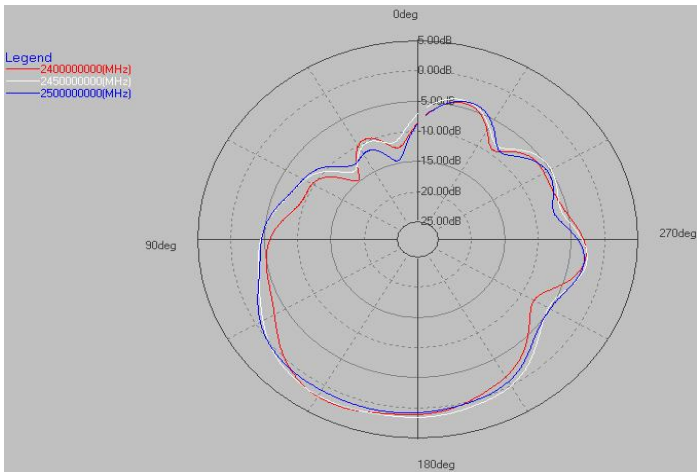
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3 Antenna 2D diagram:

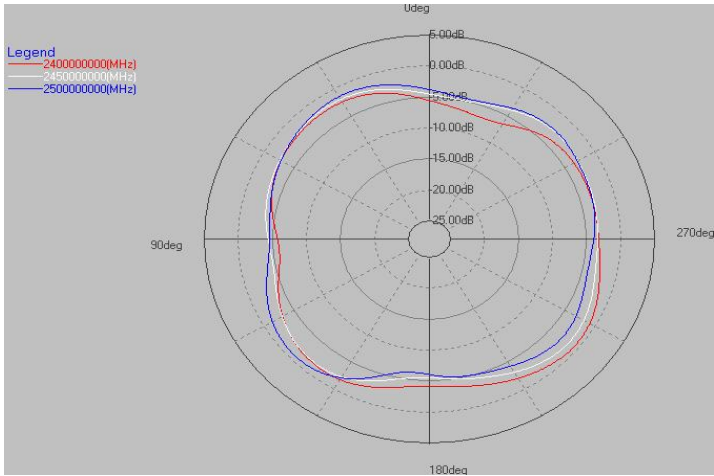
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E1



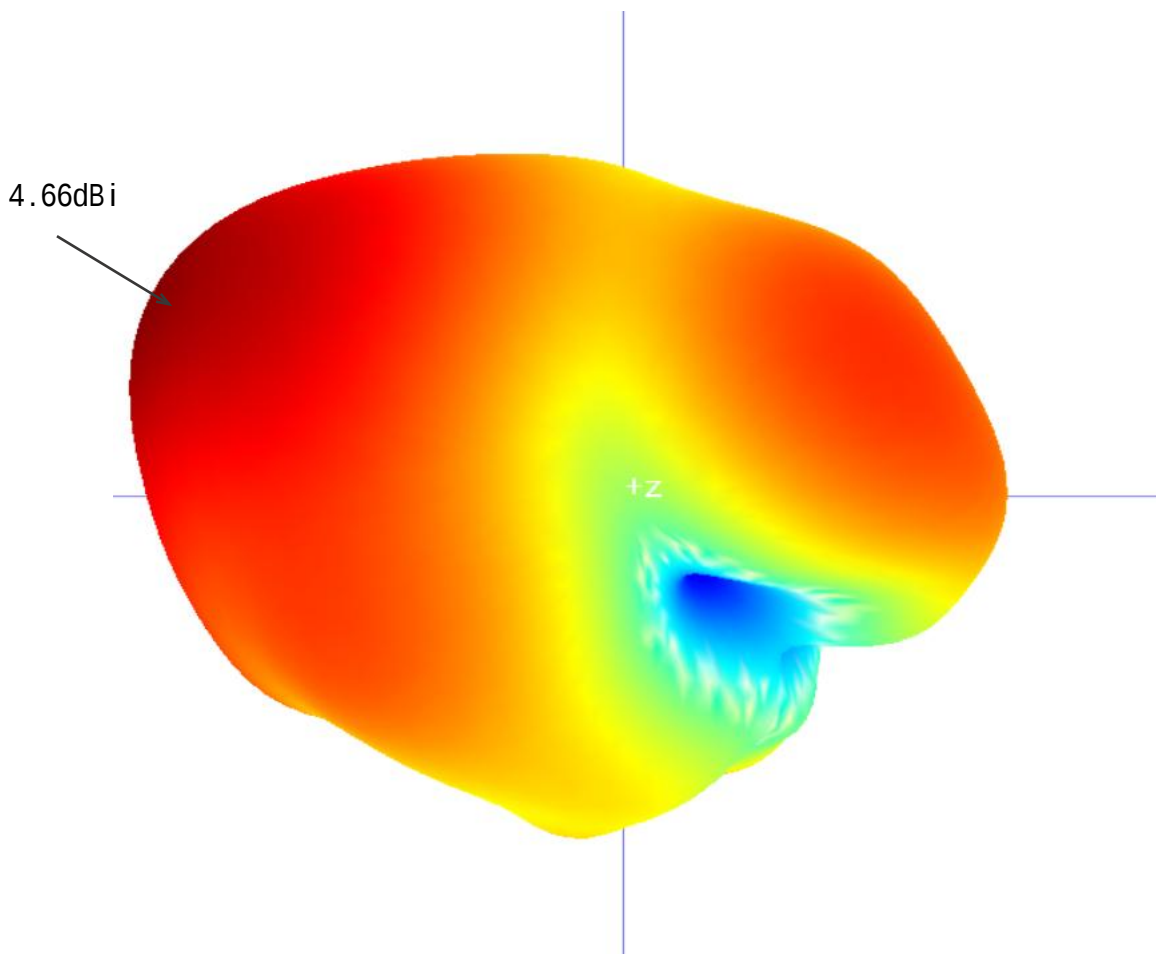
E2



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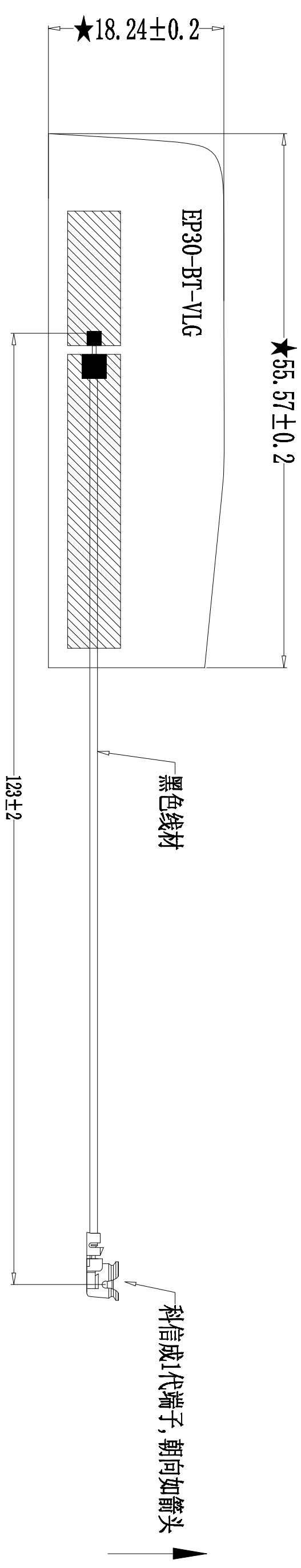
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4 Antenna 3D diagram:



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	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	2				<table><tr><th colspan="5">深 圳 市 维 力 谷 无 线 技 术 股 份 有 限 公 司</th><th colspan="3">Shenzhen VLG Wireless Technology Co.,Ltd</th></tr><tr><th colspan="2">第三视角</th><th>机 种</th><th>品 名</th><th>日期</th><th>2020.07.10</th><th>页码</th><th>1/1</th></tr><tr><td>0~10</td><td>±0.10</td><td>○</td><td>0.02</td><td>EP30</td><td>BT天线成品图</td><td>绘图</td><td>周堃</td></tr><tr><td>10~20</td><td>±0.15</td><td>◎</td><td>∅ 0.03</td><td></td><td>VI931-004-A-1</td><td>品质审核</td><td></td></tr><tr><td>20~40</td><td>±0.20</td><td>⊥</td><td>0.02</td><td>材 质</td><td></td><td></td><td></td></tr><tr><td>> 40</td><td>±0.25</td><td>∠</td><td>0.04</td><td>模面处理</td><td></td><td>结构审核</td><td></td></tr><tr><td>角 度</td><td>±0.5°</td><td>∠</td><td>0.02</td><td>外观处理</td><td></td><td>单位 mm</td><td></td></tr><tr><td colspan="4">请勿实测图纸位置</td><td>6</td><td>7</td><td>比例</td><td>批准</td></tr><tr><td>1</td><td>修 改</td><td>内 容</td><td>日期</td><td>设计</td><td>备 注</td><td>版本 R:A</td><td></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	品 名	日期	2020.07.10	页码	1/1	0~10	±0.10	○	0.02	EP30	BT天线成品图	绘图	周堃	10~20	±0.15	◎	∅ 0.03		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		结构审核		角 度	±0.5°	∠	0.02	外观处理		单位 mm		请勿实测图纸位置				6	7	比例	批准	1	修 改	内 容	日期	设计	备 注	版本 R:A	
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