

安特微智能通讯（深圳）有限公司

ATWE intelligent Communications(shenzhen)CO.Ltd.

编号No.：ATW-GC-003 A/0

天线承认书ANT APPROVAL

客户名称Customer:

客户料号Customer P/N: B1019ANT0004

物料编码Material Code: ATWE-19-0003-030

产品名称Product Name: ZM201-Pro-TX 弹片天线/
ZM201-Pro-TX Shrapnel antenna

签发日期Issued Date: 2023-04-27

厂商承认栏Supplier confirm:

拟制 Prepared by	审核 Reviewed by	批准 Approved by

客户承认栏Customer confirm:

确认 Checked by	审核 Reviewed by	批准 Approved by

:

本规格书属于安特微智能通讯（深圳）有限公司与相关客户机密存档，请妥善保管，未经我司与相关客户许可，任何人不得对外泄漏。

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一、目的Purpose:

1. 通过本承认书对产品特性和检验标准的描述，与客户之间能够更好地进行沟通，达成一致的意见，避免因未充分沟通引起的产品质量纠纷。Through the description of product characteristics and inspection standards in this recognition letter, we can better communicate with customers, reach a consensus, and avoid product quality disputes caused by insufficient communication.
2. 本司产品需要在贵司外协工厂使用时，请将本承认书内容联络贵司外协。
When our products need to be used in your outsourcing factory, please contact your outsourcing company for the content of this acknowledgment.

二、产品材料Product material:

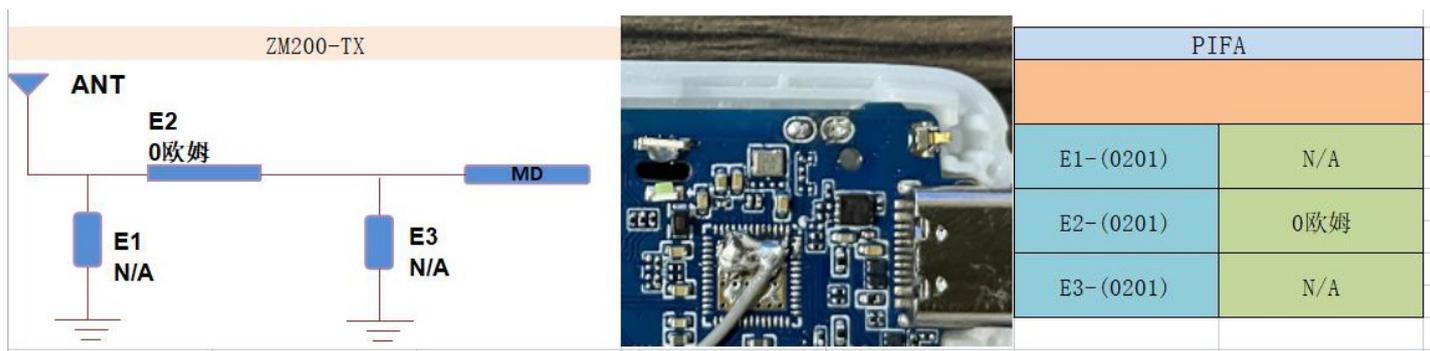
ZM201-Pro-TX 弹片天线	0.2T 洋白铜-无表面处理
ZM201-Pro-TX Shrapnel antenna	0.2T white copper - no surface treatment

三、产品样式Product Style:

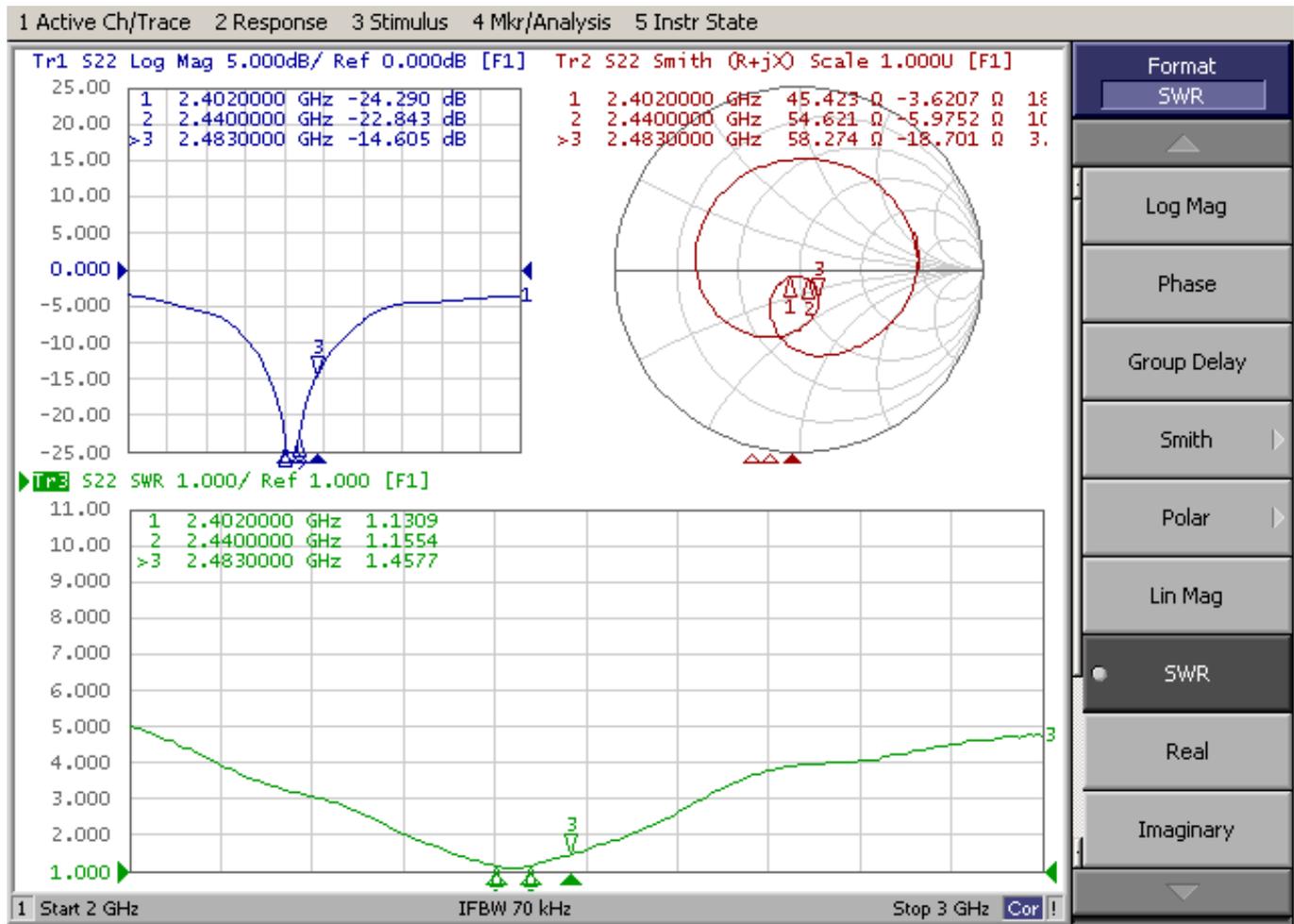


四、天线测试数据ANT Test Data

4.1 天线匹配电路Antenna matching circuit



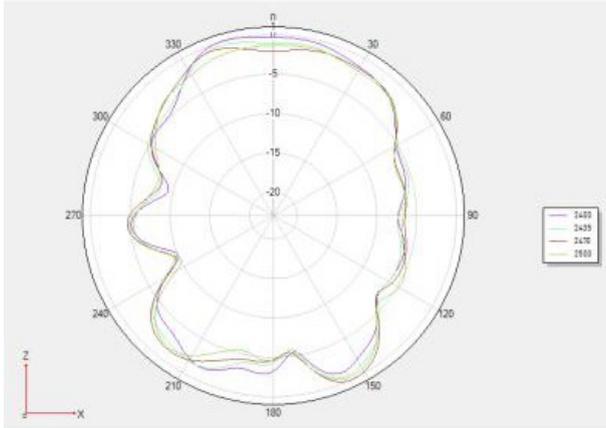
4.1 无源数据 (回波损耗) Passive Data (Return Loss)



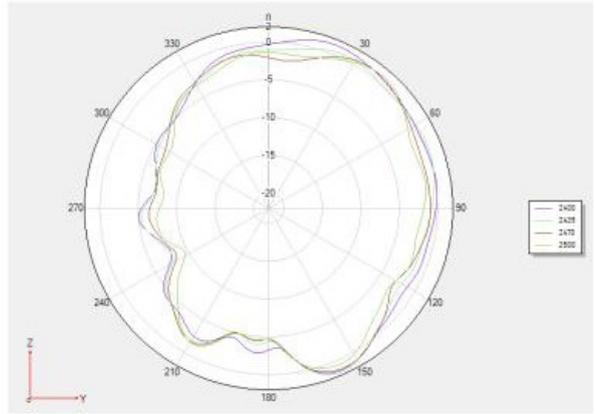
4.2 天线效率 Antenna efficiency

2.45		
Frequency / MHz	Efficiency / dB	Efficiency / %
2400	-2.23	59.84
2410	-2.41	57.41
2430	-2.48	56.49
2450	-2.34	58.34
2460	-2.37	57.94
2470	-2.31	58.75
2480	-2.33	58.48
2490	-2.51	56.1

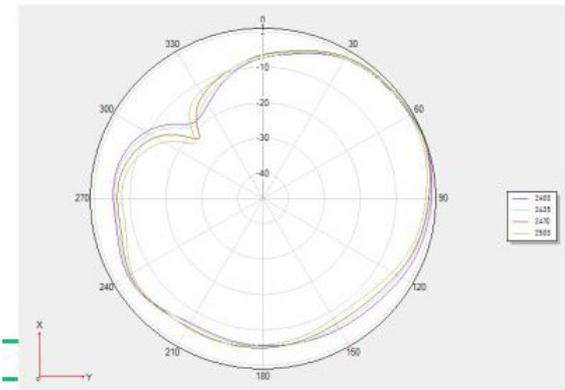
4.3 2D 方向图 2D directional map



Phi 0 2D图

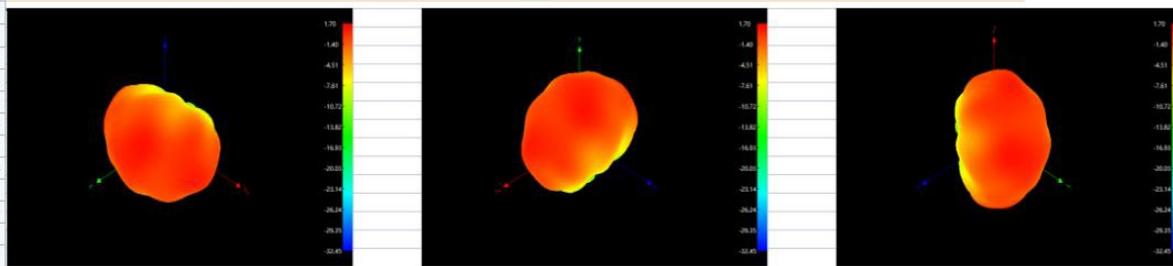


Phi 90 2D图

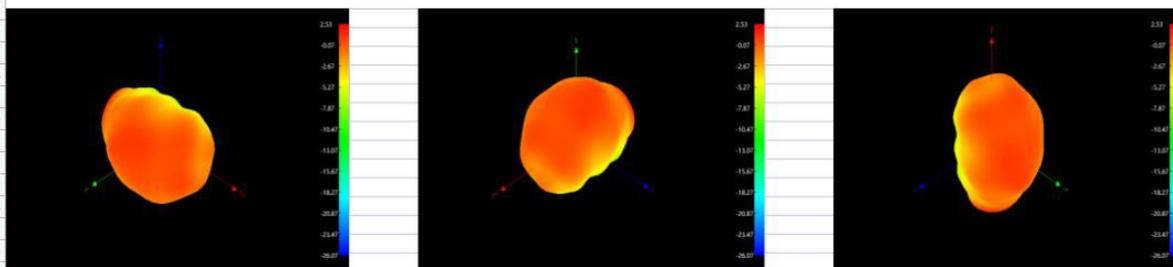


Theta 90 2D图

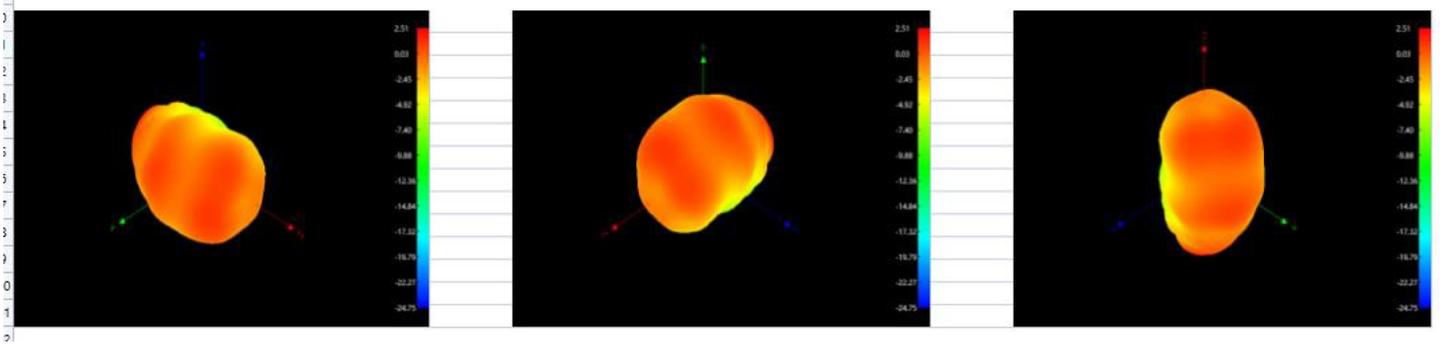
4.4 3D 方向图 3D directional map



2400



2450MHz



2500MHz

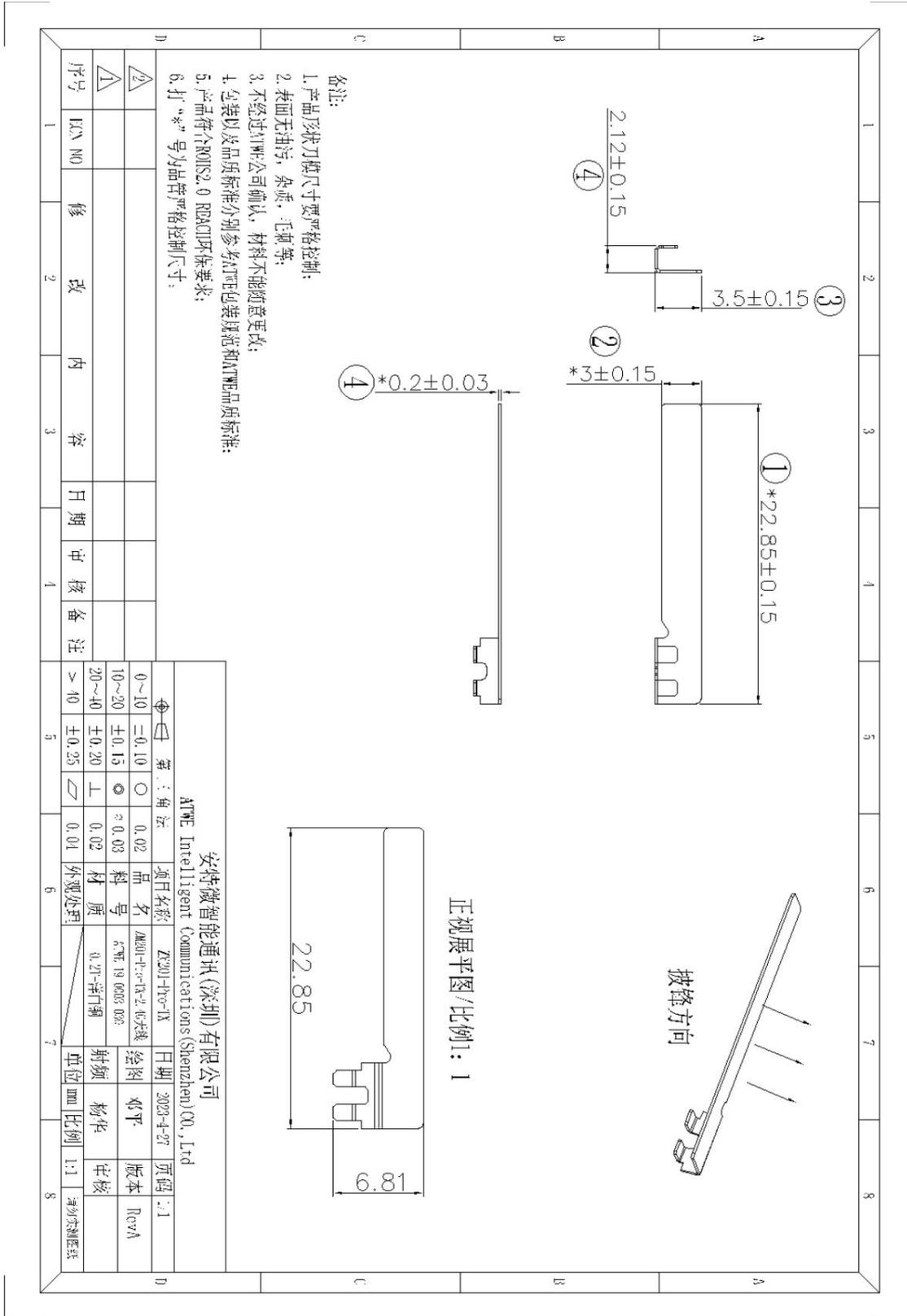
4.5 天线位置图ANT Location



五、可靠性测试报告Reliability Test Report

检测项目 Test Item	ZM201-Pro-RX-2.4G ZM201-Pro-RX-2.4G	天线 ANT	
	试验方法Test Method	判定标准Judgment criteria	判定
可焊性测试	将产品放入阻焊剂预浸, 在放入 250℃±5℃锡炉浸锡 10 秒	上锡面积达 95%以上 OK, 否则 NG	OK
尺寸测试	参照图纸尺寸及公差	符合尺寸要求	OK
盐雾测试	/	因产品材质特性, 不做盐雾测试判定	/
测试: 杨美珍		审核: 邓平	
结果判定: 合格			

六、结构尺寸图纸 Construction drawing



七、包装方式Package method

ATWE产品包装规范

Product Packaging Specification

产品名称：ZM201-Pro-TX弹片天线

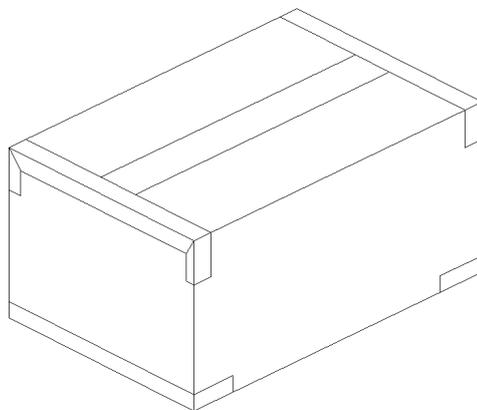
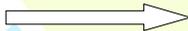
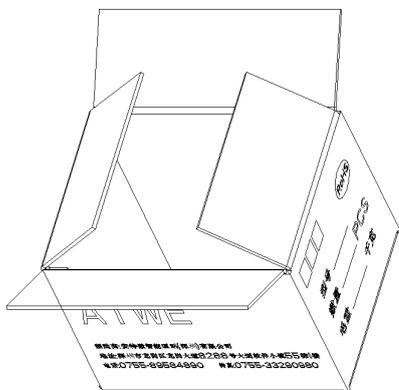
版本：V0

Product Name: ZM201-Pro-RX-2.4G ANT

一、以实际包装为准。

二、装大箱。（数量以实际订单与包装数量为准）

三、封箱，外箱贴我司生产标签和ROHS标签



注：由于该项目未进行试产及正式量产，以上包装方式仅供参考，具体包装以试产订单或正式量产为准！