规格承认书
Specification sheet

客　　户 Customer name	Genea Biomedx Pty Ltd
客户料号 Customer P/N	2.4G ANTENNA
品　　名 Article Description	
同讯料號 TOXU Part No.	KC.IA.00518
承认书号码 Approval sheet No.	A2024.06.05
日　　期 Date	2024. 06. 05

承认填写栏 Signature confirmation			
供应商确认（供方填写栏） Supplier signature		客户承认（需方填写栏） Customer signature	
李德文			
盖章 seal:		盖章 seal:	
日期 date	2024. 06. 05	日期 date	
备注 Remarks:			

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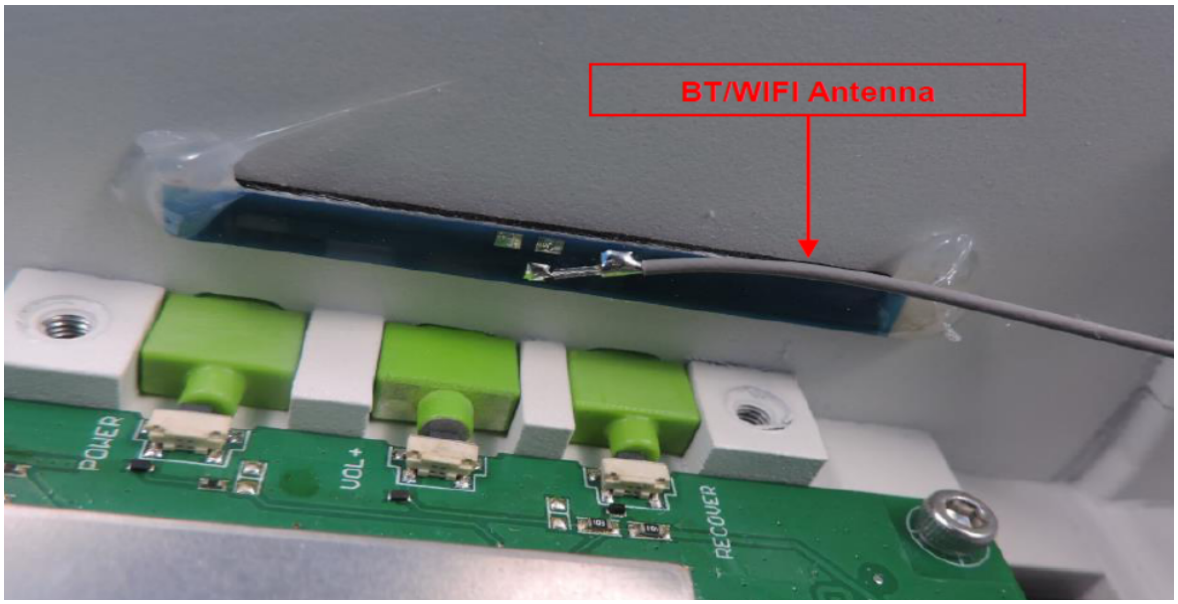
3. 承认书变更履历

版本（REV）	发起人（Originator）	日期（Date）	变更描述(Change Description)
A/1	LI	2024.06.05	First Version

4. 产品相片(Product photos):



5. 机械及电气性能(Mechanics and Electrical Specification)

产品名称(Name)	FPC	产品型号(Model Type)	2.4G ANTENNA
电 性 能 指 标 (Electrical Specifications)			
频率范围 (Frenquency Range)	2400-2500MHZ	极化方式(Polarization)	线极化linear
输入阻抗(Impedance)	50 Ω	辐射方向 (Radiation direction)	全向 omnidirectional
驻波比 (VSWR)	≦2.0	功率容量(Power)	10W
增益(Gain)	1.96dBi	带宽 (Bandwidth)	10/100/600MHZ
机 械 指 标 (Mechanical Specifications)			
尺寸 (Dimensions)	21.8*9.4*0.25MM	颜色(colour)	黑色black
连接器型号 (Connector)	IPEX-I	引线长度(Cable Length)	50MM
材料 Radome Material	FPC	盐雾 (Salt spray test)	48H
工作温度 (Working Temperature)	-40℃-+85℃	存放温度 (Limit Temperature)	-40℃-+85℃
天线类型 (Antenna type)	IFA		

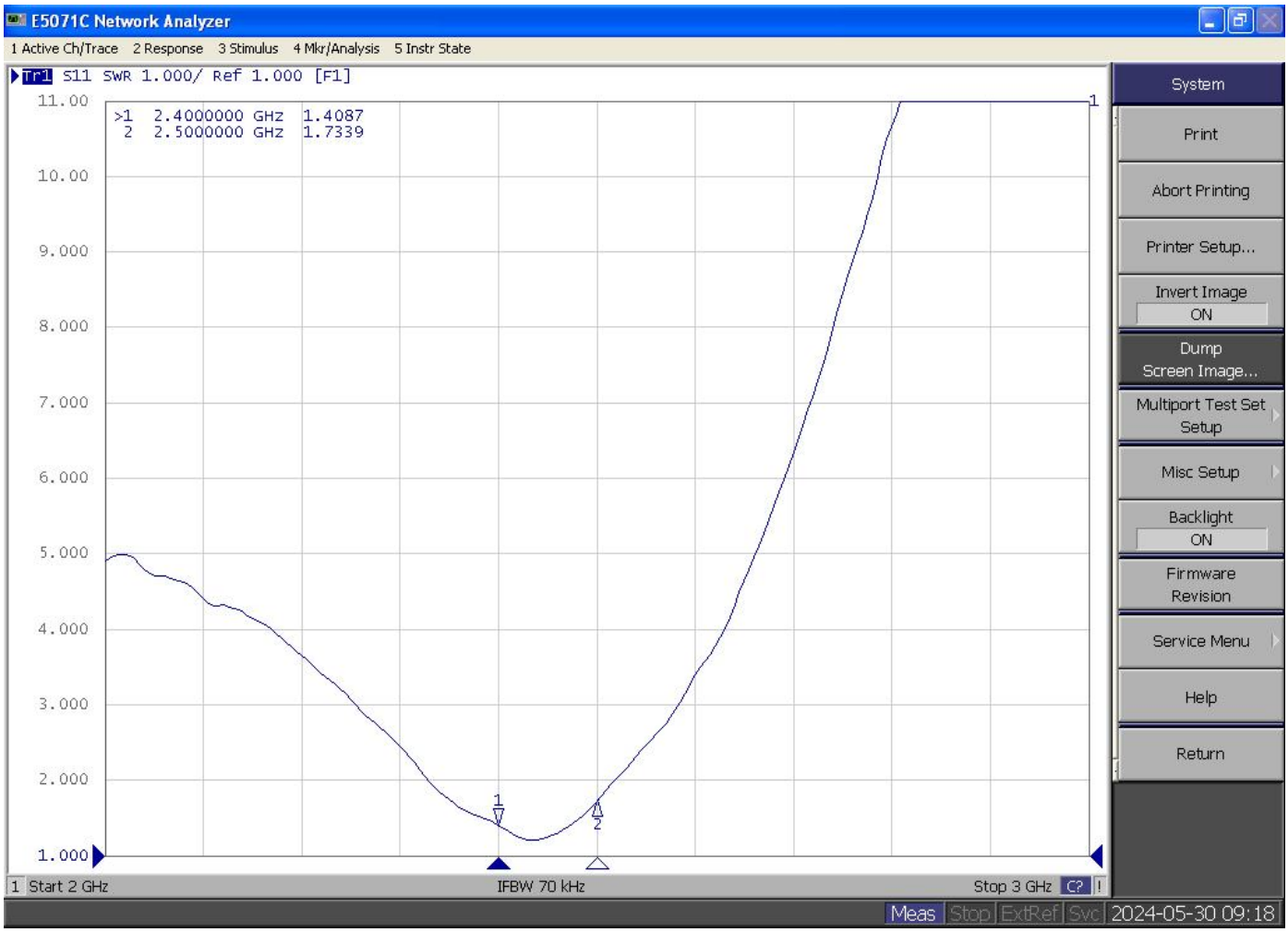
6 性能报告(Performance report)

6.1 测试项目及设备 Test Items and Equipment

	测试项目 Test Items	测试设备 Test Equipment
S Parameter	1. Return loss 2. VSWR	Network analyzar (Aglient E5071C)
The whole machine of Passive parameters	1. Freqency 2. Gain 3. Radiation Pattem	1.3D microwarve darkroom (4M*3M*3M) 2.Network analyzer
The whole machine of Active parameters	1. TRP 2. TIS	1.3D microwave darkroom (4M*3M*3M) 3. Comprehensive test instrument 4. (CMW500)(E7515E)
Instrument calibration	Once a year， Last calibration：2023.11.22， Valid until:2024.11.22	

6.2 性能报告(Performance report)

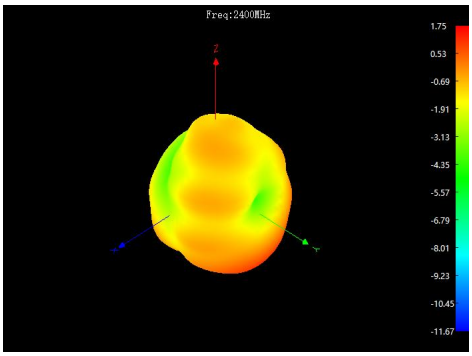
6.2.1 电压驻波比（VSWR）：

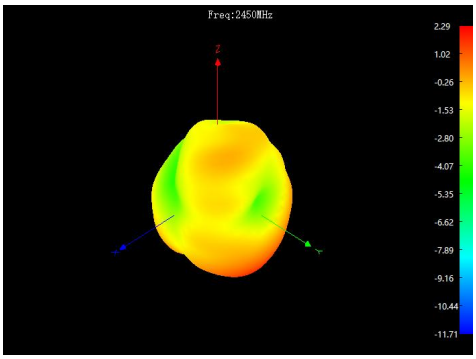


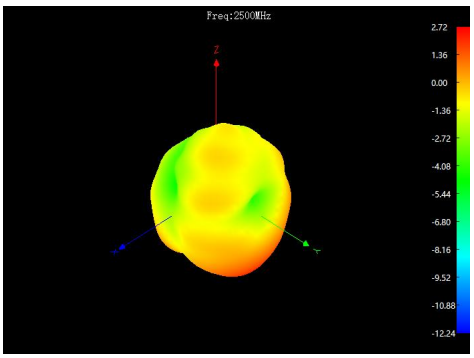
6.2.2 效率@增益（Efficiency and Gain）：

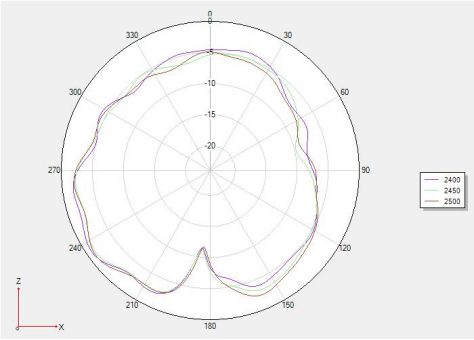
Frequency/Mhz	Efficiency / %	MaxGain/dBi
2400	49.66	1.75
2410	50.35	1.36
2420	49.09	1.96
2430	49.43	1.51
2440	49.77	1.47
2450	49.55	1.29
2460	50.35	1.54
2470	49.09	1.13
2480	51.64	1.72
2490	52.36	1.32
2500	53.58	1.72

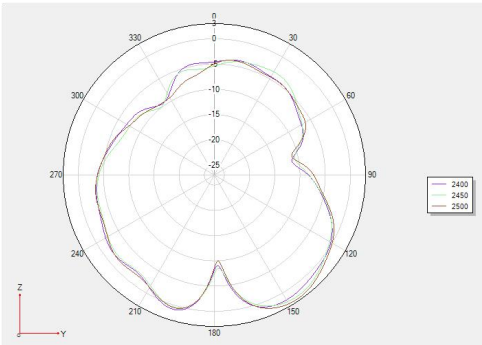
6.2.3 3D@2D 辐射方向（3D & 2D Radiation Pattern）：

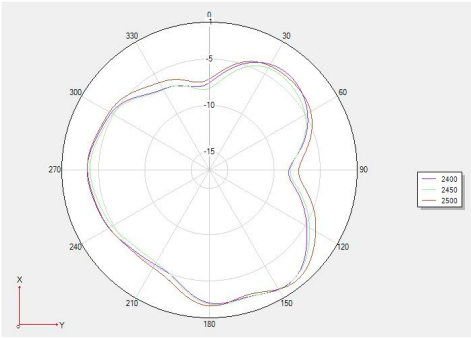






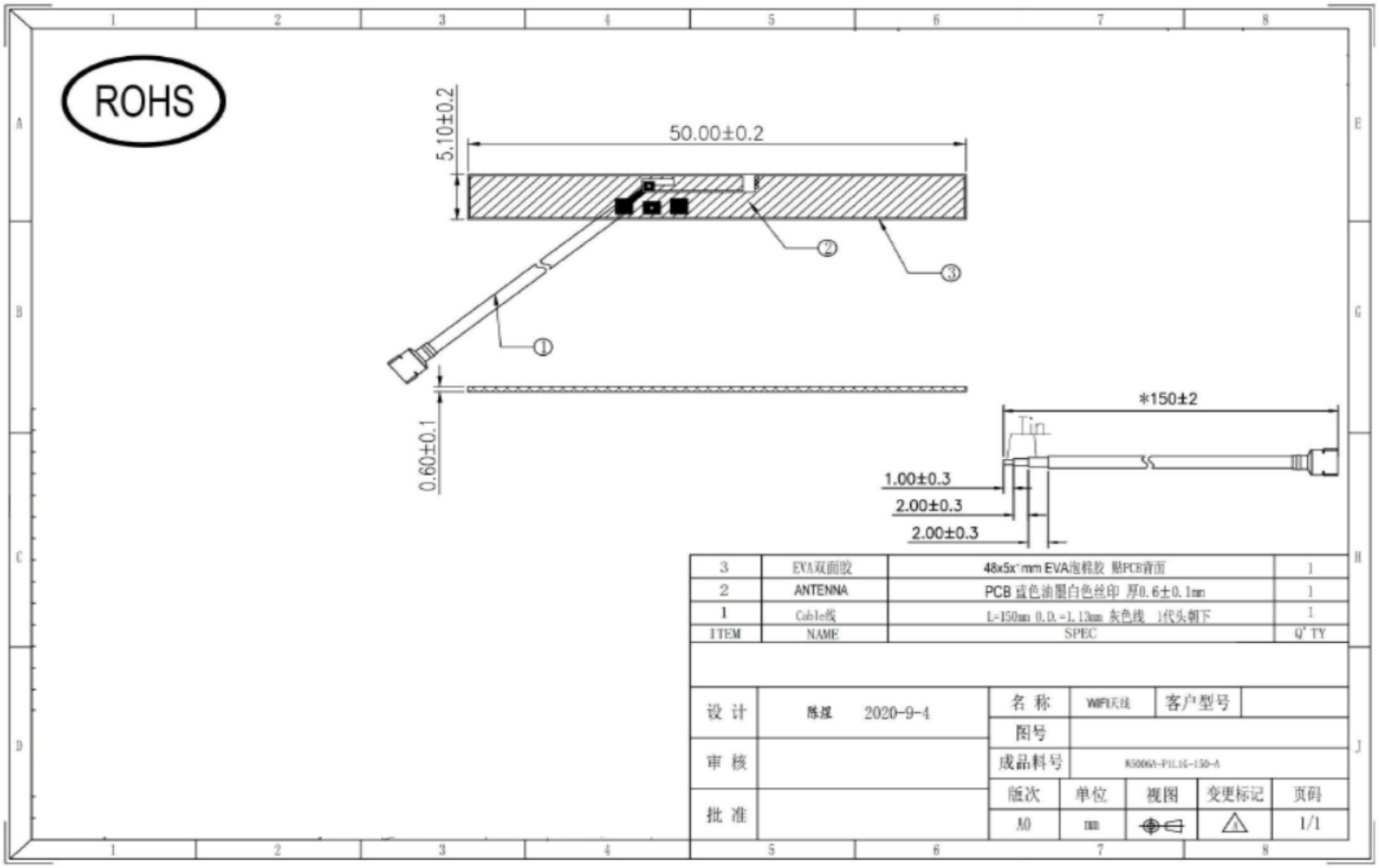






测试人（Tested by）	DEWEN-LI
电话（Contact phone number）	0755-28199597
日期（date）	2024.06.05

7.成品图（Customer Drawing）



8. 包装方式（Packaging）：

Product number： xxxxx

Product model： xxxxx

一、Label requirements：

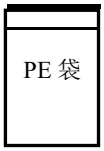
Customer	xxx		
supplier	xxxxx		
Material coding	xx		
Product model	xx		
Number	XXX PCS	**Factory date**	X X X
Remarks			

二、Boxing：

Job description：

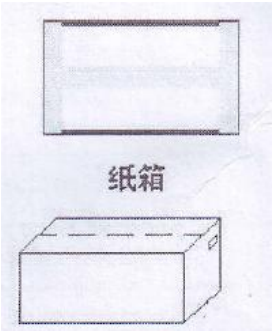
1. Inner packaging：

XXpcs A bag



2. External packaging：

Xx PCS ；



3. Matters needing attention：

a. Whether to add partition and pearl cotton；

b. Label attachments, such as ROHS, etc.；