规格承认书
Specification sheet

客　　户 Customer name	OBDSPACE TECHNOLOGY CO,.LTD
客户料号 Customer P/N	1.02.23.0157
品　　名 Article Description	2.4G，FPC L*W*T=32.4*7.8*0.25mm
同讯料號 TOXU Part No.	KC.IA.00580
承认书号码 Approval sheet No.	A20241030-002
日　　期 Date	2024.10.30

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catalogue

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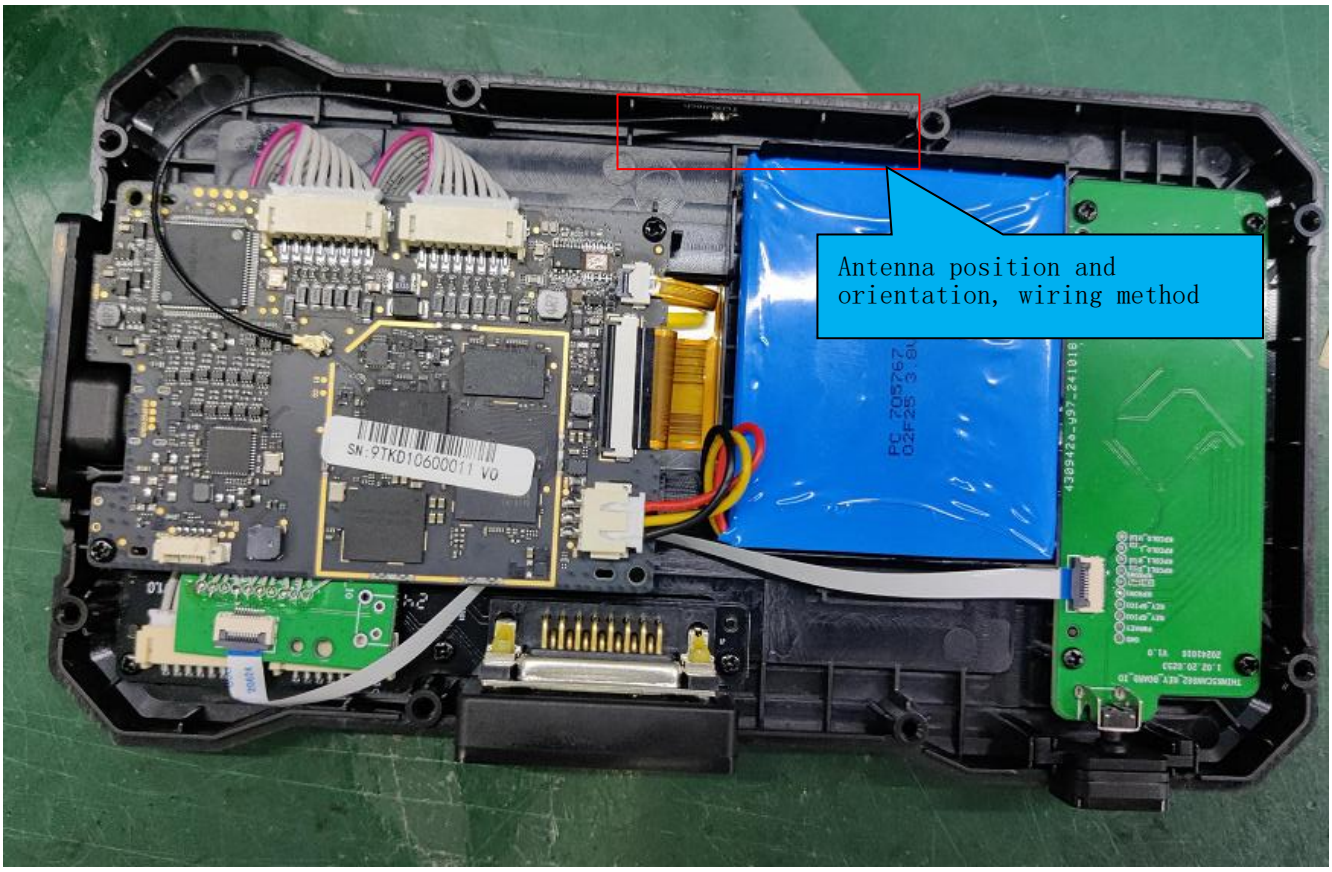
3. 承认书变更履历（ChangeHistory Sheet）

版本（REV）	发起人（Originator）	日期（Date）	变更描述(Change Description)
A/1	LIU	2024.10.30	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)	THINKSCAN662	产品型号(Model Type)	WIFI 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)	2.75dBi	带宽 (Bandwidth)	100MHZ
机 械 指 标 (Mechanical Specifications)			
尺寸 (Dimensions)	32.4*7.8*0.25MM	颜色(colour)	黑色black
连接器型号 (Connector)	IPEX-I	引线长度(Cable Length)	150MM
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	

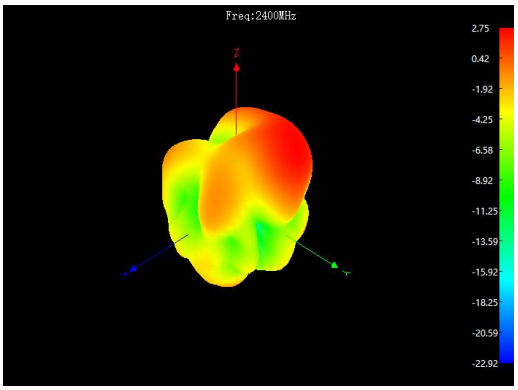
6.2 性能报告(Performance report)

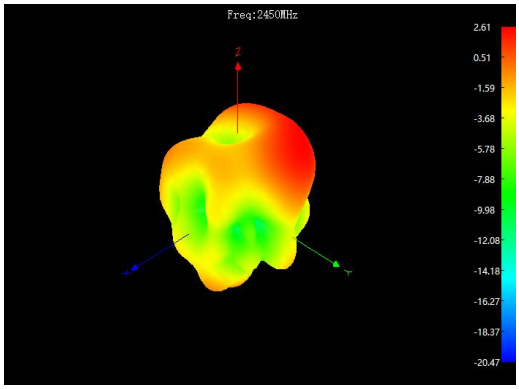
6.2.1 电压驻波比（VSWR）：

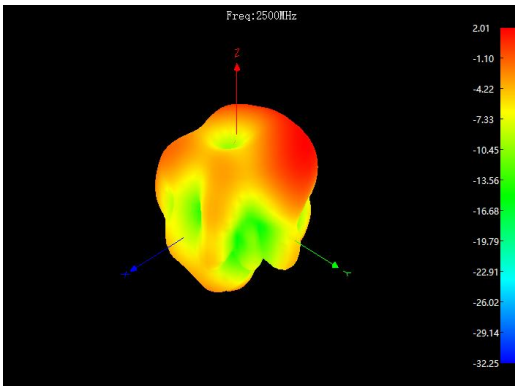
6.2.2 效率@增益（Efficiency and Gain）：

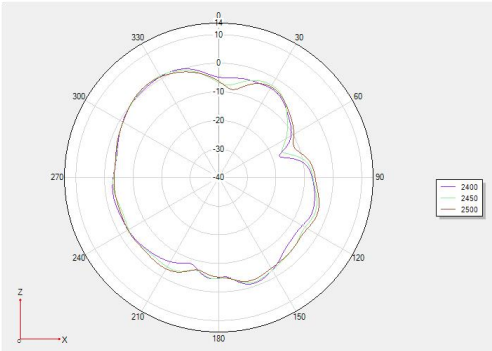
Frequency/Mhz	Efficiency / %	MaxGain/dBi
2400	56.65	2.75
2410	55.03	2.4
2420	55.52	2.37
2430	56.34	2.54
2440	54.13	2.51
2450	52.92	2.61
2460	52.67	2.05
2470	53.75	2.44
2480	52.98	2.04
2490	52.12	2.52
2500	51.52	2.01

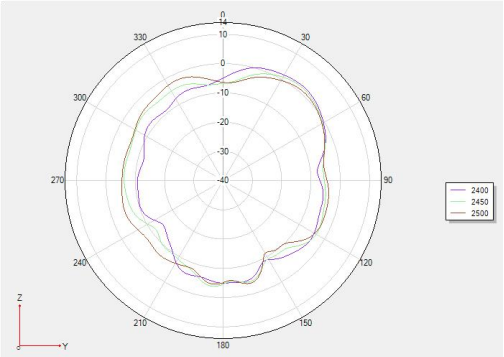
6.2.3 3D@2D 辐射方向（3D & 2D Radiation Pattern）：

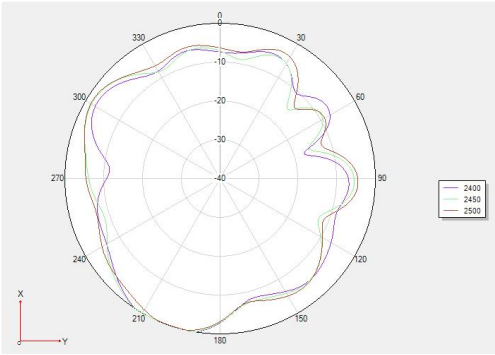




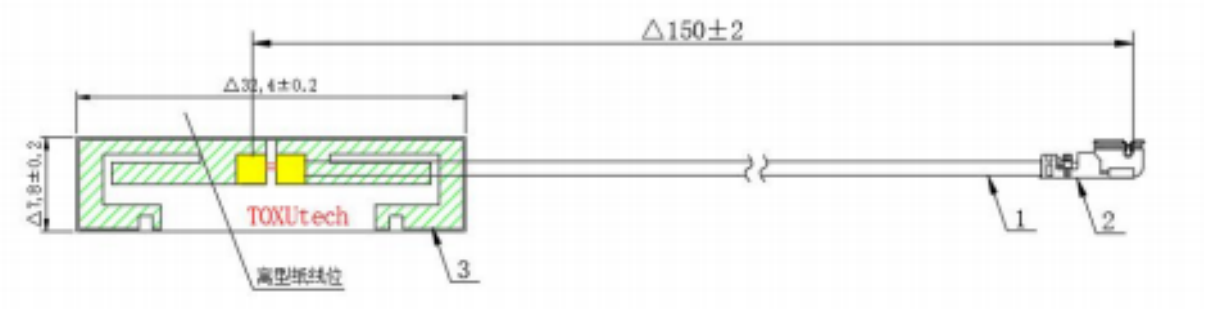








7. 成品图（Customer Drawing）



8. 包装方式（Packaging）：

Product number： xxxxx

Product model： xxxxx

一、Label requirements：

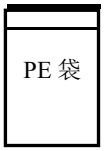
Customer	xxx		
supplier	xxxxx		
Material coding	xx		
Product model	xx		
Number	XXX PCS	**Factory date**	X X X
Remarks			

二、Boxing：

Job description：

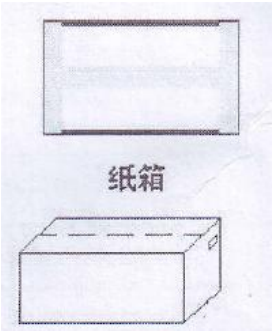
1. Inner packaging：

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.；