

规格承认书
Specification sheet

客 户

Customer name

源诚

客户料号

Customer P/N

品 名

FPC 黑色油墨白色印字，露铜沉金，

Article Description

同讯料號

TOXU Part No.

承认书号码

Approval sheet No.

日 期

Date

L*W*T=46.6*36.35*0.25MM, ROHS

KC. IG. 00145

A20251231-001

2025.12.31

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	2024.12.31	日期 date	
备注 Remarks:			

地址：深圳市龙华区福城街道茜坑社区茜坑路 52 号

ADDRESS:5th floor, No. 52, Xikeng Road, Xikeng community, Fucheng street, Longhua District, Shenzhen

电话（TEL）：0755-28199597

网址（WEB）：www.toxutech.com

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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	Devin	2025.12.31	First Version

4. 产品相片(Product photos):



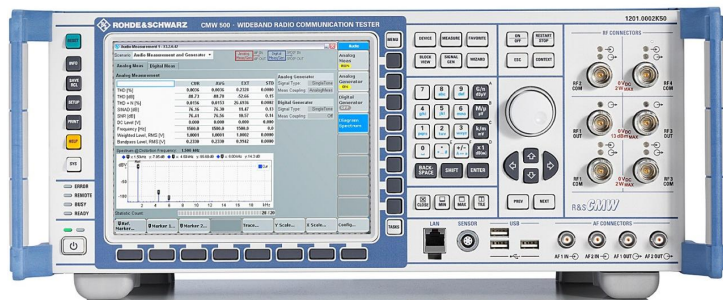
5. 机械及电气性能(Mechanics and Electrical Specification)

产品名称(Name)	WIFI+BT 天线	产品型号(Model Type)	KC. IG. 00145
电 性 能 指 标 (Electrical Specifications)			
频率范围 (Frenquency Range)	2400-2500/5150-5850MHZ	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)	≤3.5	功率容量(Power)	10W
增益(Gain)	4.78dBi (MAX)	带宽 (Bandwidth)	100/700MHZ
机 械 指 标 (Mechanical Specifications)			
尺寸 (Dimensions)	46.6*36.35*0.25MM	颜色(colour)	黑色black
连接器型号 (Connector)	/	引线长度(Cable Length)	/
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. Frequency 2. Gain 3. Radiation Patten	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: 2025.10.22, Valid until:2026.10.21	



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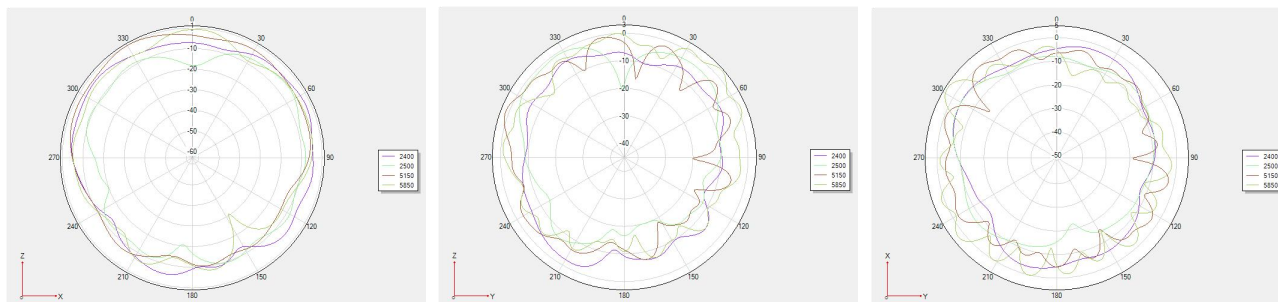
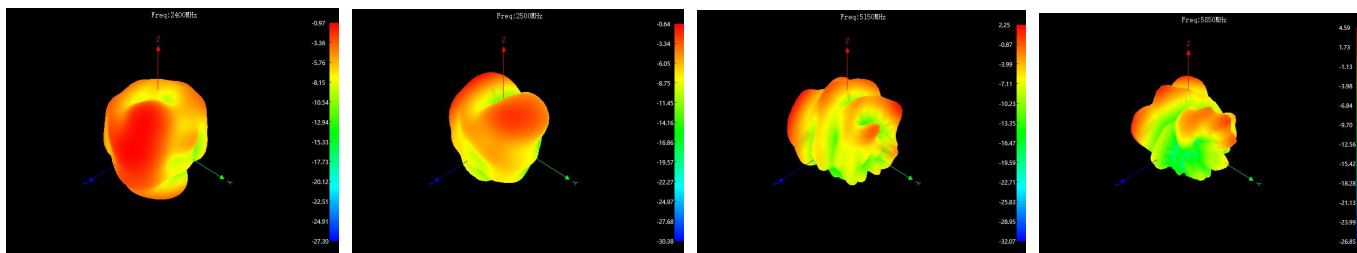
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6.2 效率@增益（Efficiency and Gain）：WiFi

Frequency/Mhz	MaxGain/dBi	Efficiency / %	Frequency/Mhz	MaxGain/dBi	Efficiency / %
2400	-0.97	30.06	5150	2.25	37.32
2410	-2.3	29.58	5200	2.11	44.26
2420	-3.28	27.61	5250	2.26	42.36
2430	-3.84	27.34	5300	2.75	38.31
2440	-4.42	24.45	5350	3.04	43.33
2450	-4.67	23.83	5400	3.92	42.72
2460	-4.53	22.59	5450	3.4	39.77
2470	-3.66	24.66	5500	3.09	42
2480	-2.56	26.52	5550	3.66	47.81
2490	-1.37	28.04	5600	3.87	43.68
2500	-0.64	32.96	5650	4.07	45.34
			5700	4.88	46.74
			5750	4.65	47.09
			5800	4.78	47.3
			5850	4.59	44.86

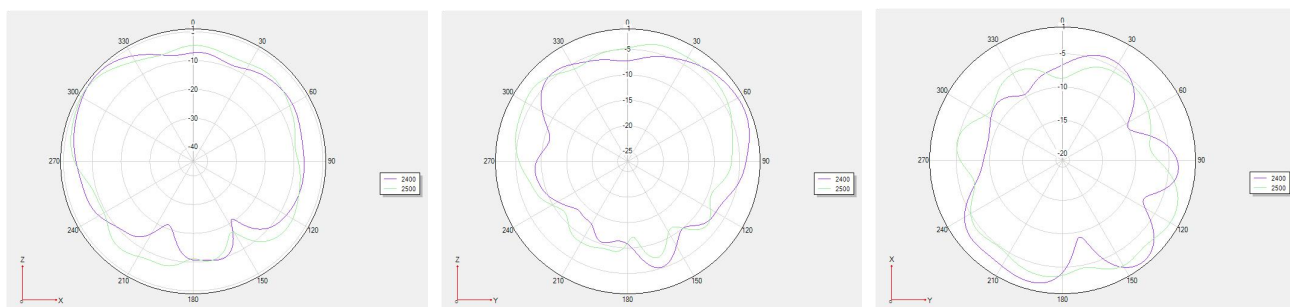
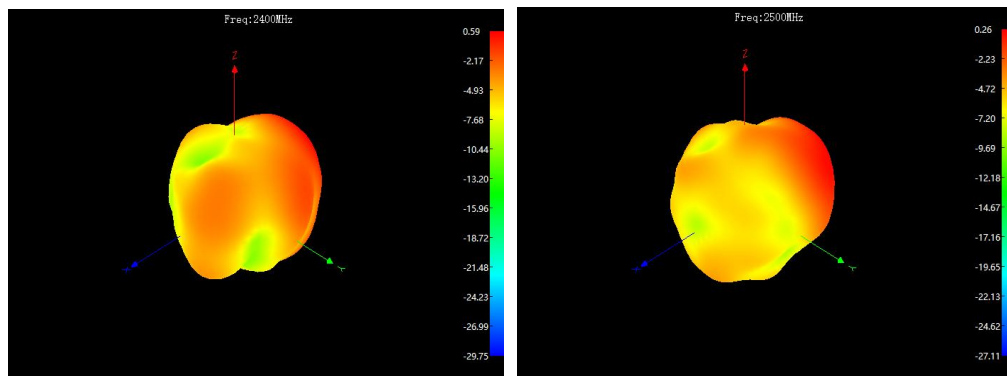
6.2.1 3D@2D 辐射方向（3D & 2D Radiation Pattern）：



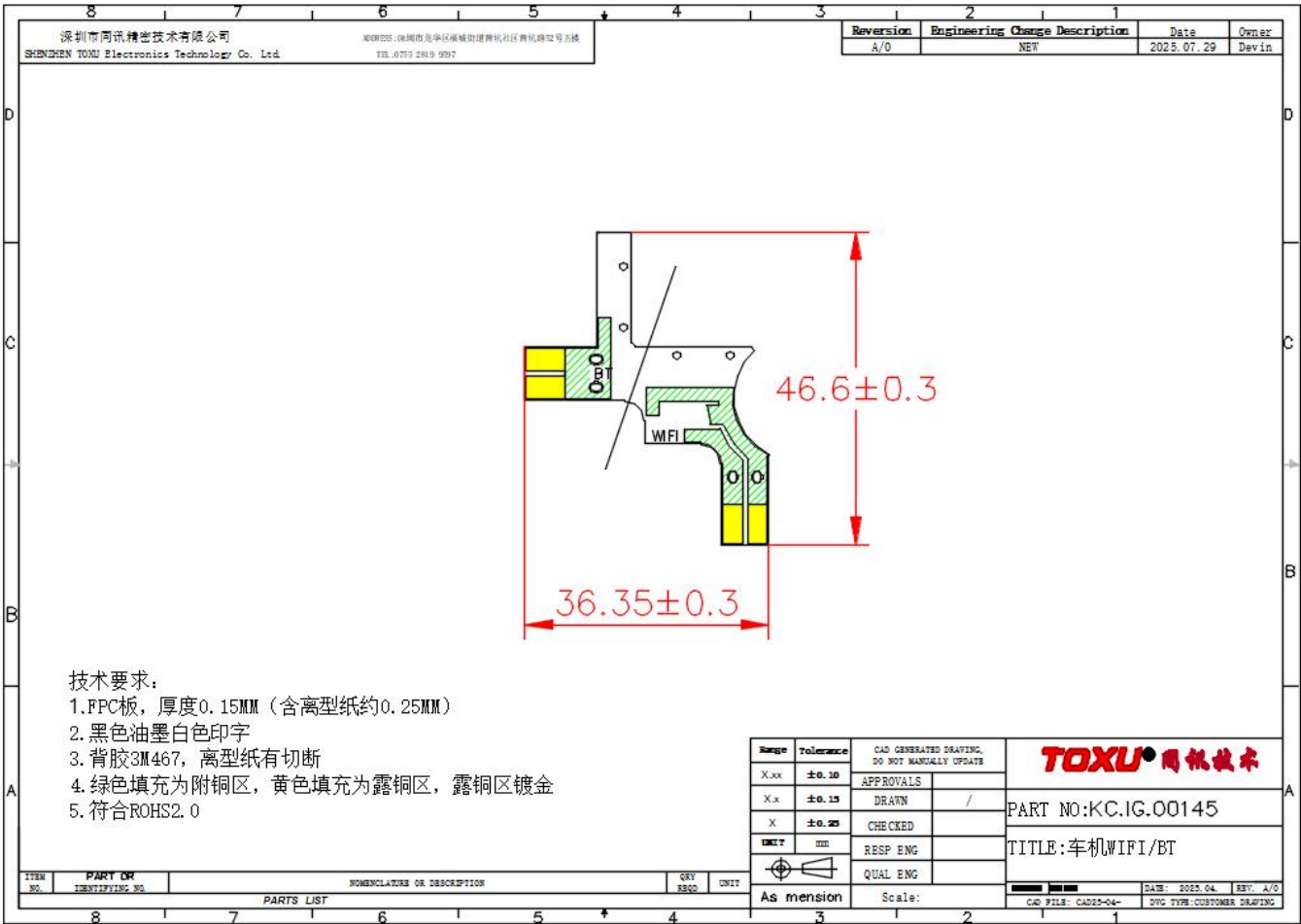
6.3 效率@增益（Efficiency and Gain）：BT

Frequency/Mhz	MaxGain/dBi	Efficiency / %
2400	0.59	36.39
2410	0.15	36.39
2420	0.22	38.11
2430	0.45	40.36
2440	-0.05	38.37
2450	0.51	36.9
2460	0.05	37.15
2470	0.23	36.56
2480	-0.12	36.06
2490	0.32	39.63
2500	0.26	36.98

6.3.1 3D@2D 辐射方向（3D & 2D Radiation Pattern）：

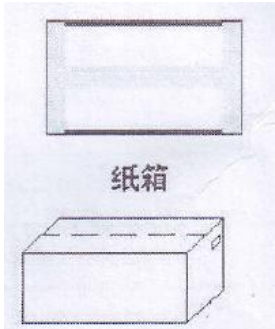


7.成品图（Customer Drawing）



8.包装方式（Packaging）：

Product number: XXXXX			
Product model: XXXXX			
一、Label requirements:			
Customer	xxx		
supplier	xxxxxx		
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.;			



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