

规格承认书
Specification sheet

客 户	元征科技
Customer name	
客户料号	102230487
Customer P/N	
品 名	WIF 天线二，FPC 黑色，背面 0.1MM 补强， L*W*T=26.8*23.2*0.35MM，1.13 黑色线接一代端子， L=150MM，ROHS
Article Description	
同讯料號	KC. IA. 00703
TOXU Part No.	
承认书号码	A20251222-002
Approval sheet No.	
日 期	2025. 12. 22
Date	

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	2025. 12. 22	日期 date	
备注 Remarks:			

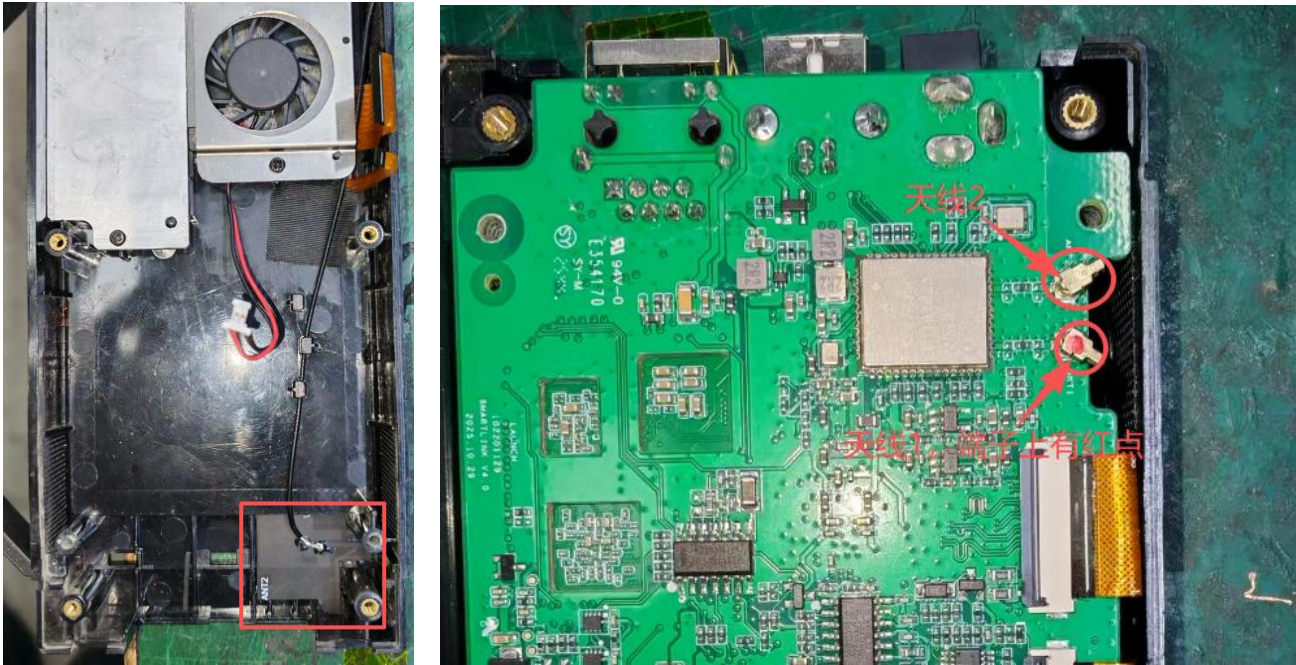
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3. 承认书变更履历

版本 (REV)	发起人 (Originator)	日期 (Date)	变更描述(Change Description)
A/1	LI	2025.12.22	First Version

4. 产品相片(Product photos):



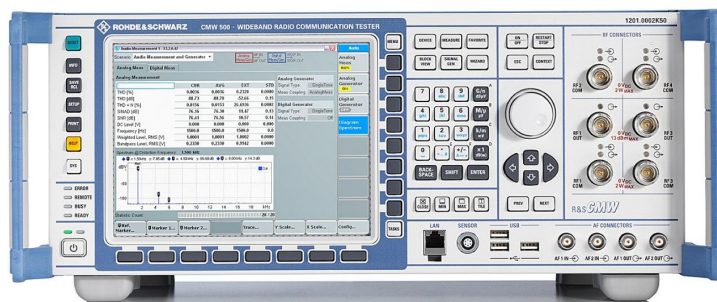
5. 机械及电气性能(Mechanics and Electrical Specification)

产品名称 (Name)	WiFi-2	产品型号 (Model Type)	KC. IA. 00703
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
输入阻抗 (Impedance)	50 Ω	辐射方向 (Radiation direction)	全向 omnidirectional
驻波比 (VSWR)	≤2	功率容量 (Power)	10W
增益 (Gain)	2.76 dBi (MAX)	带宽 (Bandwidth)	100/700MHZ
机 械 指 标 (Mechanical Specifications)			
尺寸 (Dimensions)	L*W*T=26.8*23.2*0.35MM	颜色 (colour)	黑色black
连接器型号 (Connector)	IPEX-1	引线长度 (Cable Length)	150MM (RF1.13)
材料 Radome Material	FPC	防水 (waterproof)	/
工作温度 (Working Temperature)	-40℃--+85℃	存放温度 (Limit Temperature)	-40℃--+85℃
天线类型 (Antenna type)	monopole		

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	



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

6.2 性能报告(Performance report)

6.2.1 电压驻波比（VSWR）：



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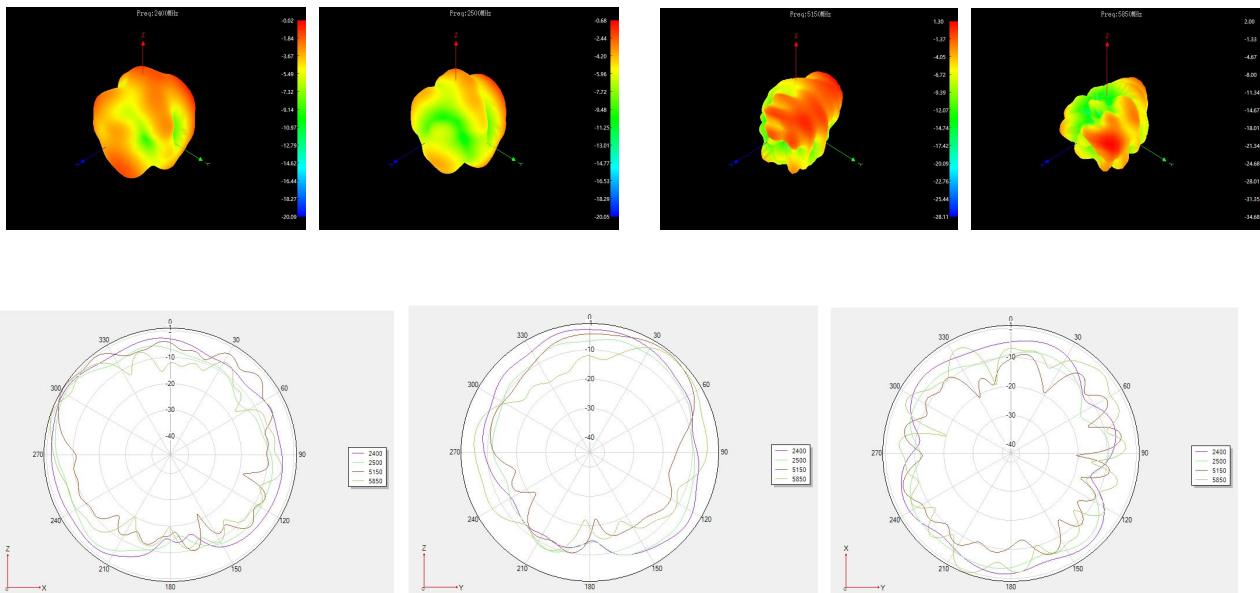
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6.2.2 效率@增益（Efficiency and Gain）：

Frequency/Mhz	MaxGain/dBi	Efficiency / %	Frequency/Mhz	MaxGain/dBi	Efficiency / %
2400	-0.02	43.19	5150	1.3	40.41
2410	-0.31	42.5	5200	1.69	43.65
2420	-0.28	41.24	5250	2.1	45.81
2430	-0.19	41.16	5300	2.05	44.2
2440	-0.07	44.42	5350	2.4	43.96
2450	-0.55	41.04	5400	2.52	41.99
2460	-0.47	41.12	5450	2.38	43.02
2470	-0.53	42.42	5500	2.71	45.28
2480	-0.72	42.64	5550	2.76	45.14
2490	-0.56	42.53	5600	2.1	42.96
2500	-0.68	41.72	5650	2.48	41.16
			5700	2.4	42.67
			5750	2.09	41.26
			5800	1.54	40.24
			5850	2	40.06

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



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6.2.4 有源 OTA 测试（OTA testing）：

Band	Channel	Frequency	Max	Min	Total
WIFI_B (11M)	1	2412	18.17	4.28	13.48
WIFI_B (11M)	11	2462	20.03	-0.48	14.41
WIFI_B (11M)	11	2462	-68.21	-88.54	-82.93
WIFI_G (54M)	1	2412	18.1	5.18	14.26
WIFI_G (54M)	11	2462	18.36	3.55	14.48
WIFI_G (54M)	11	2462	-61.86	-76.68	-72.79
WIFI_A (54M)	36	5180	15.18	0.49	10.65
WIFI_A (54M)	165	5825	17.83	4.17	13.65
WIFI_A (54M)	165	5825	-64.08	-77.74	-73.56

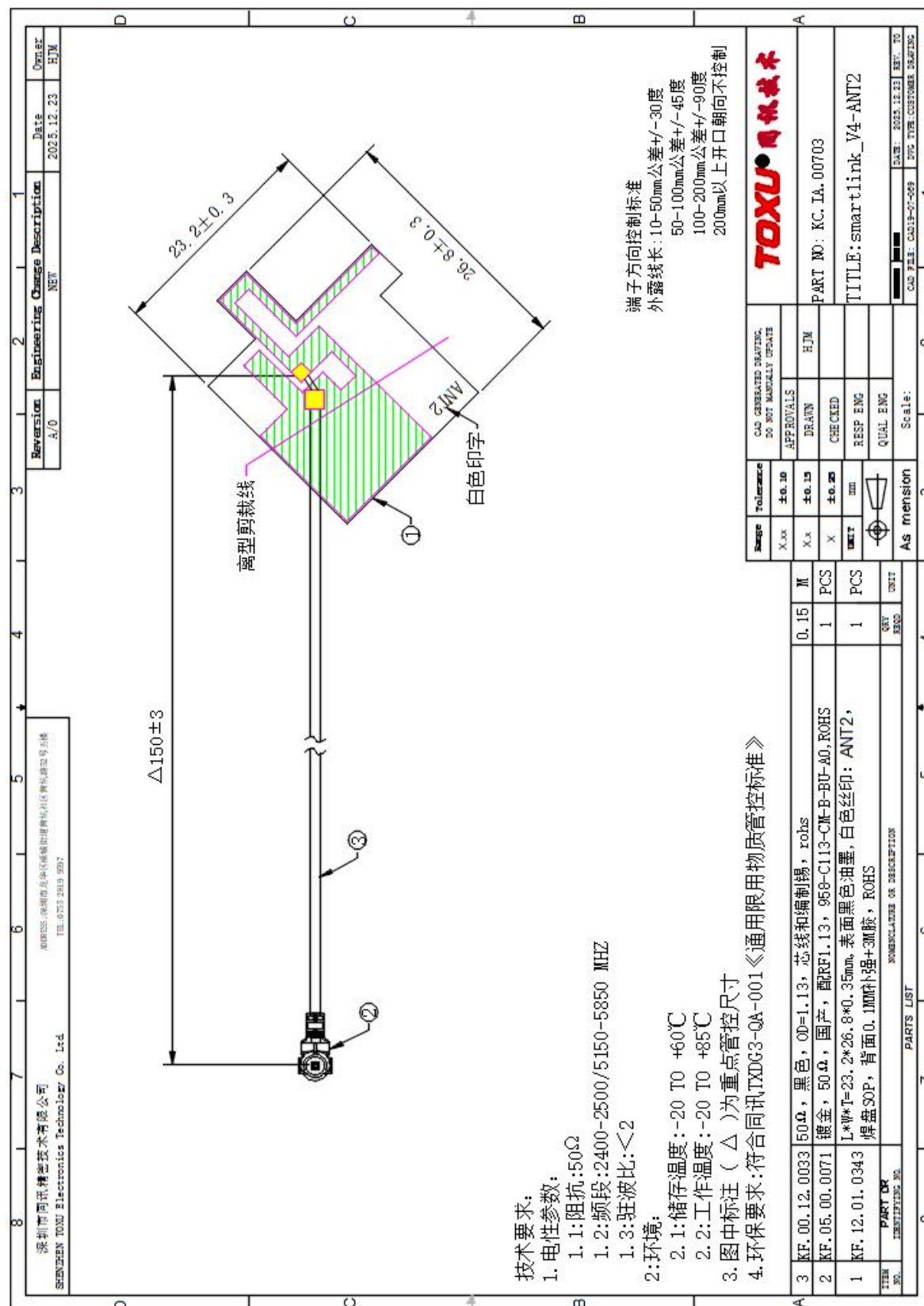
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7.成品图 (Customer Drawing)



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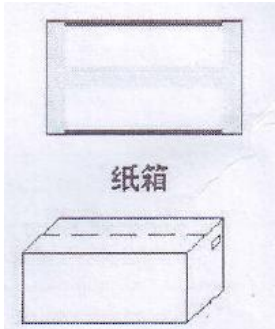
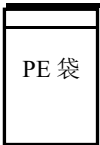
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8. 包装方式 (Packaging) :

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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