

APPROVAL SHEET

Suppliername: Shenzhen Zhongtianxun Communication Technology Co., Ltd

Suppliermaterialname: AKATW03 WIFI-4 antenna

Supplierspecificationsandmodel: WIFI-2 antenna

CVTEItemnumber: 004.032.0052852

Admissionedition: A0

Drawingversionnumber(nodrawing): A1

Supplieracknowledgementcolumn		
Laydown	Check	Approver
Youjie Ke	Jianeng Feng	Guohua Zhou

SupplierAddress: No. 34, Shilong Avenue, Shilongzi, Bao'an District, Shenzhen (Tengda Industrial Park)

telephone: 0755-27588320

portraiture: 0755-27588045

Note:Suppliercommitmentandconfirmation,SupplierstoGuangzhoubinelectronictechnologyCo.,Ltd., anditsaffiliatedcompanies(includingbutnotlimitedtoGuangzhouvisualsourceelectronicTechnology Co.,Ltd.,GuangzhouelectronicTechnologyCo.,Ltd.,GuangzhouintoinformationtechnologyCo.,Ltd., Guangzhou,medicalequipmenttechnologyCo.,Ltd.,GuangzhouyiintelligenceelectronictechnologyCo., Ltd.,GuangzhoufarceearacoustictechnologyCo.,Ltd.,GuangzhouruixinelectronicTechnologyCo., Ltd.,QingdaosourcedynamicwisdomsportstechnologyCo.,Ltd.,Guangzhouradiummorningautomatic controltechnologyCo.,Ltd.,GuangzhouLiuhuanInformationTechnologyCo.,Ltd.)(knownas"CVTE")supply ofmaterials,Areabletomeetthestandardsstipulatedinthisadmission,Withoutthesupplier. The scannedcopy,photocopyandfaxedcopyofthisadmissionlettershallhavethesamelegaleffectasthe originalcopy

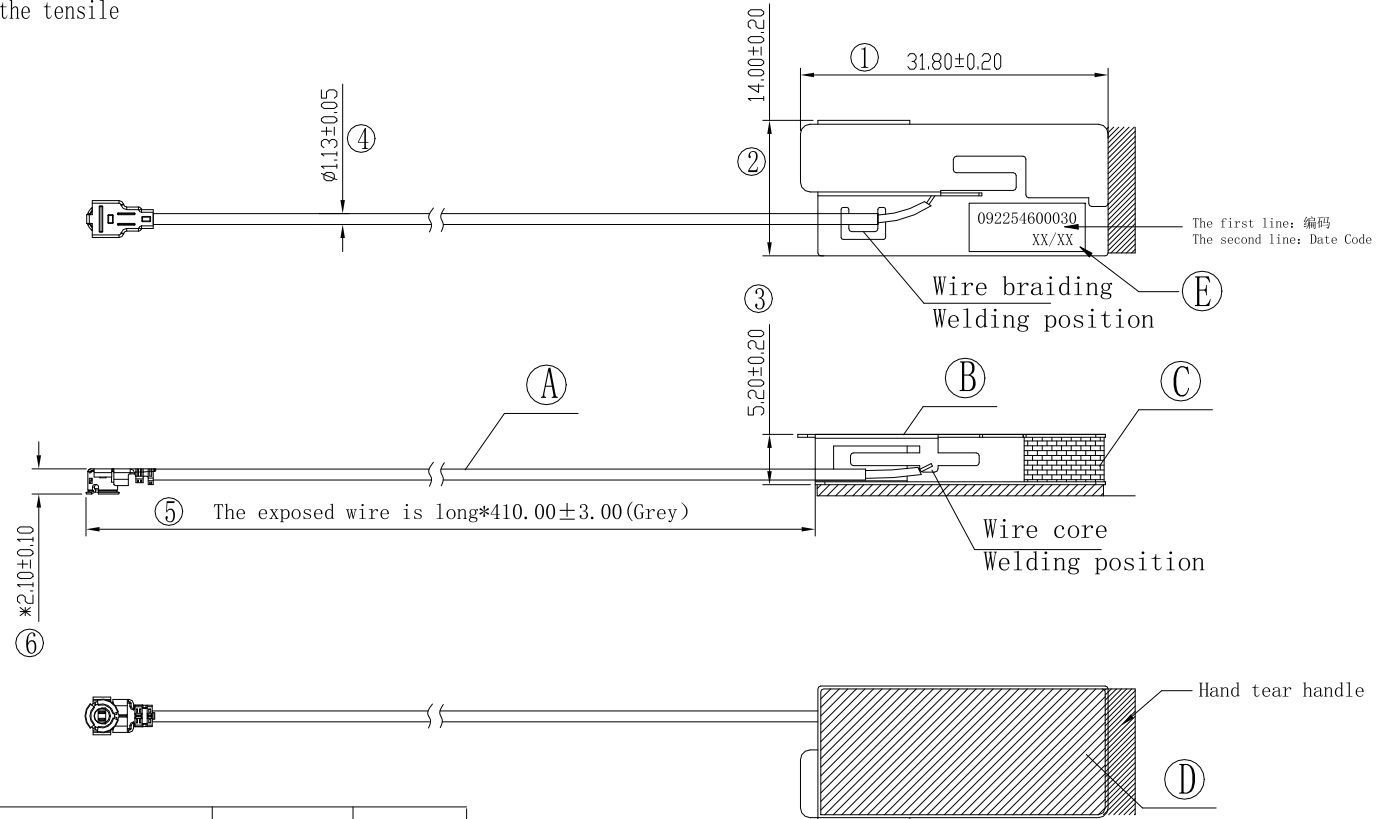
Drawing Number:ZTX-QR-RD-013

Rev	Description	Designed	Date
A1	First release	Ke youjie	2025.07.08

Unmating force after the terminal and the board end are engaged: more than 5N for the first time.

After riveting the terminal and the wire, the tensile force should be $25N > \Phi 1.13 > 9.8N$.

ROHS 2.0/Reach



Material description:

Serial number	Material name	Material description	Quantity	Remark
(A)	First-generation terminals + coaxial cables	FEP/ Grey + Phosphor Bronze/Gold-plated	1	
(B)	WIFI shrapnel	SUS304 T=0.30mm/ nickel-plated	1	
(C)	Supporting foam	Foam adhesive 3M 9495/ Black	1	
(D)	Fixed foam adhesive	Foam adhesive (3M 5611) grey	1	
(E)	Tag	PET/ White background + black text	1	

ZTX

Shenzhen ZHONGTIANXUN Communication Technology Shares Co., Ltd

General Tolerance			Date: 2025.07.08	Unit: mm	Rev: A1	Scale: 1:1	Project code ztx3700
Dim	Grade	A	B	Designed:	Material:	Project Name: AKATW03 WIFI-4 Antenna	
0-10		±0.10	±0.20	Checked:	Process:	Product Name: WIFI-2 Antenna assembly	
10-20		±0.15	±0.30	Approval:	Third Angle	Material Code:	
20-40		±0.20	±0.40				
40>		±0.25	±0.50				

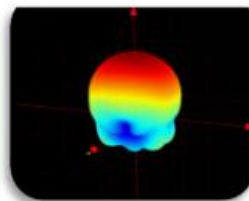
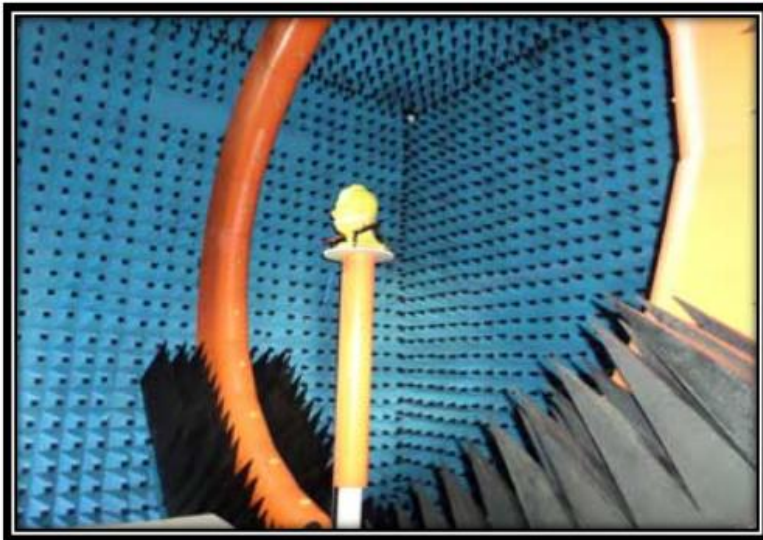
ANTENNA SPECIFICATION

CUS P/N :AKATW03 WIFI-4 Antenna_WIFI-2
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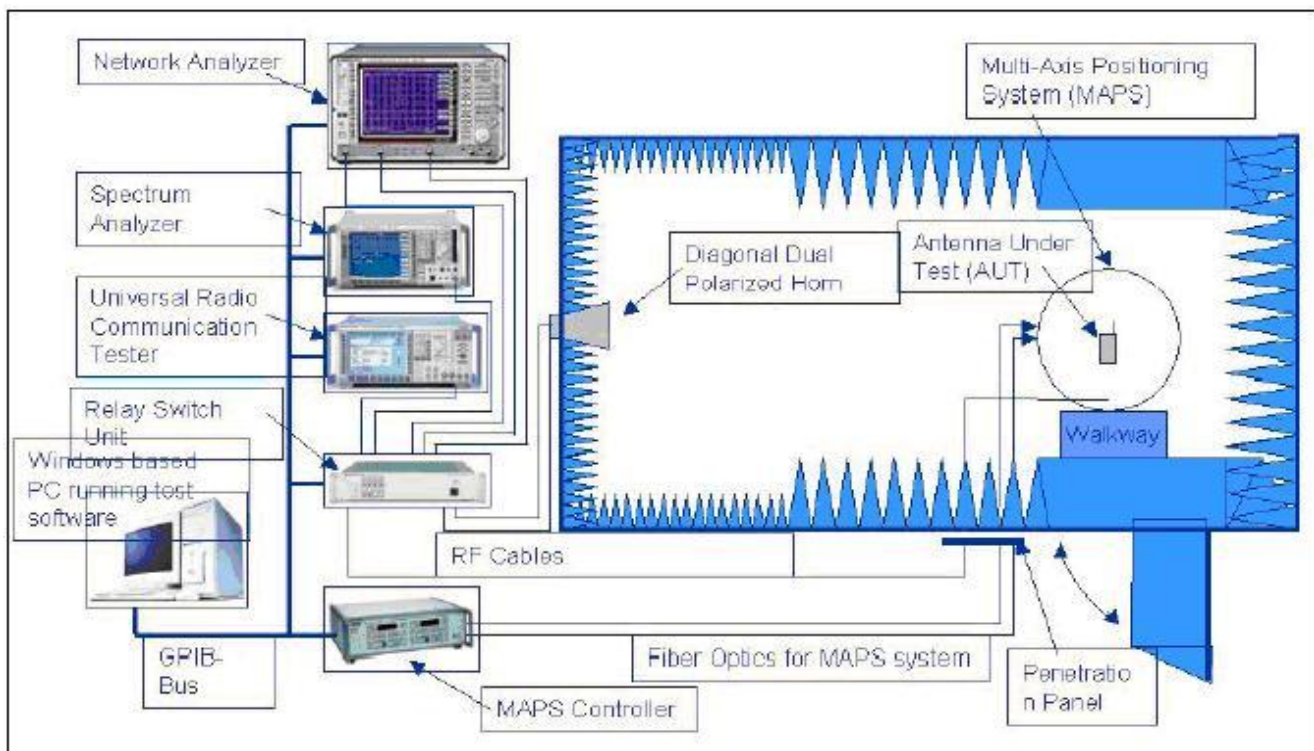
2. (Test Equipment & Conditions)



Owned 6 microwave dark room, equipped 2 sets world leading France Satimo SG24 OTA certification test systems (one in SHENZHEN, another one in Shanghai), ETS OTA Standard test system, Blue test reverberation test system which is High repeatability, high accuracy and high resolution. It can quickly provide accurate test reports, fully meet the CITA standards.

Testing range:

Support active, passive testing of
GSM/CDMA/WCDMA/TD-
SCDMA/LTE/WIFI/WLAN/WiMax/BT
/GPS/MIMO/UWB within 0.4-6G.



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2-1 Passive Test

Frequency	Efficiency	Efficiency . dB	Gain . dB	5150	40%	-3.98	2.87
2400	47%	-3.28	3.76	5200	41%	-3.87	2.77
2410	48%	-3.19	3.99	5250	43%	-3.67	4.02
2420	46%	-3.37	3.23	5300	42%	-3.77	3.87
2430	47%	-3.28	3.45	5350	42%	-3.77	3.89
2440	49%	-3.10	3.48	5400	43%	-3.67	3.33
2450	49%	-3.10	3.41	5450	40%	-3.98	4.05
2460	48%	-3.19	3.23	5500	42%	-3.77	3.26
2470	49%	-3.10	3.32	5550	44%	-3.57	3.46
2480	48%	-3.19	3.44	5600	42%	-3.77	3.48
2490	47%	-3.28	3.27	5650	40%	-3.98	3.43
2500	46%	-3.37	3.96	5700	41%	-3.87	3.64
				5750	41%	-3.87	3.65
				5800	43%	-3.67	3.65
				5850	42%	-3.77	3.87

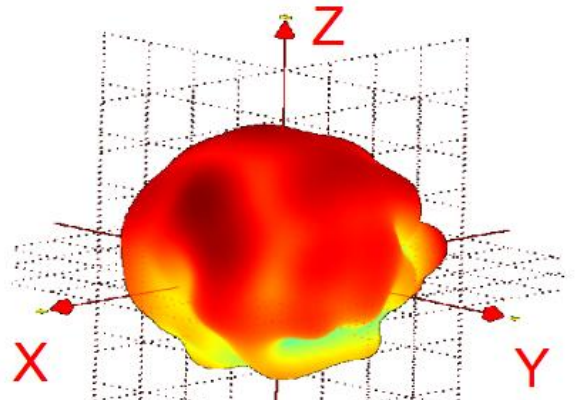
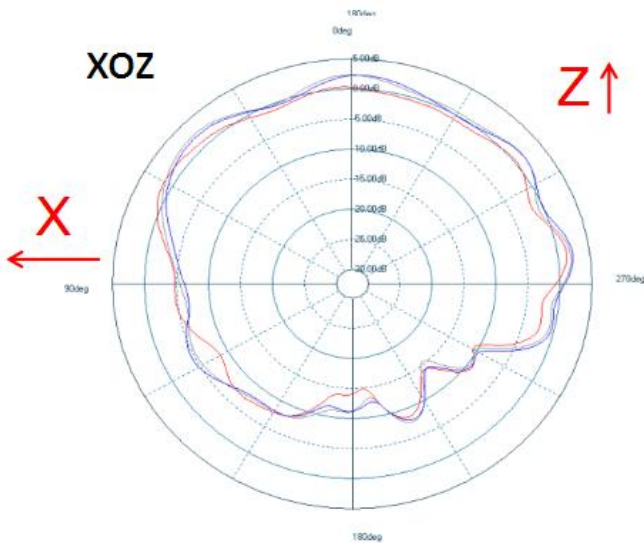
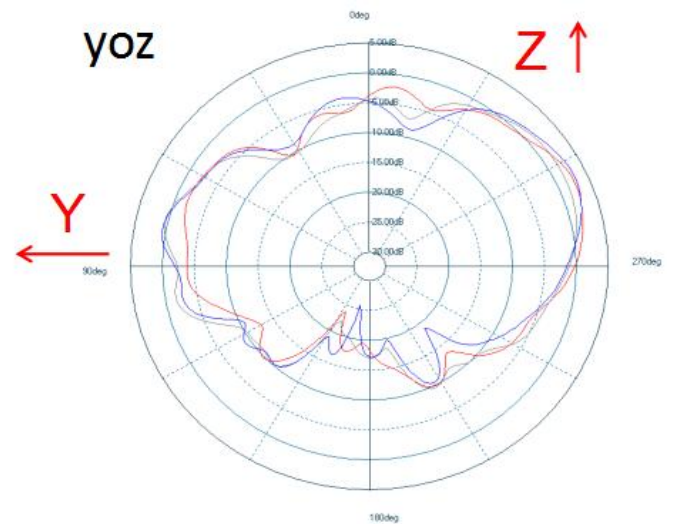
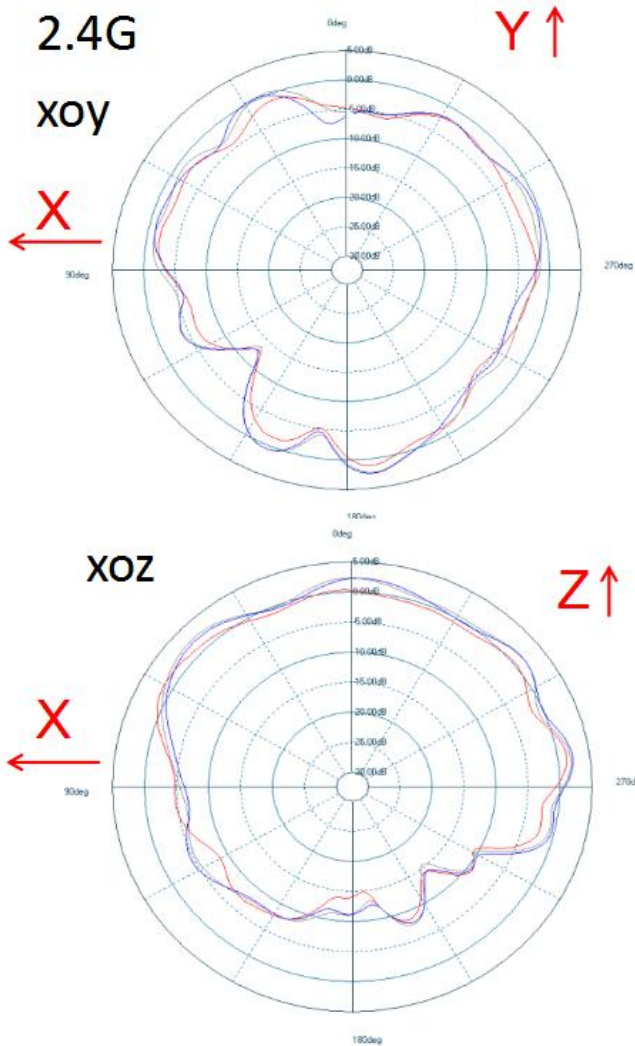
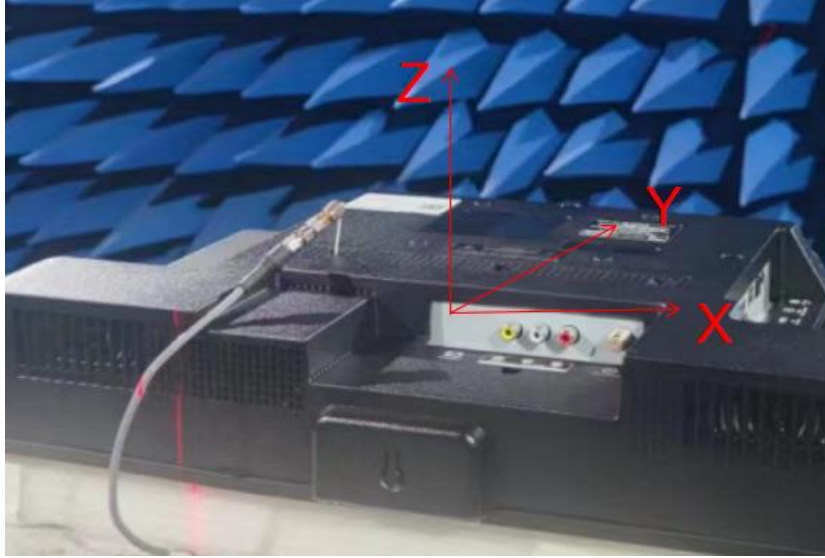
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2-2 2D/3D Radiation Pattern Results

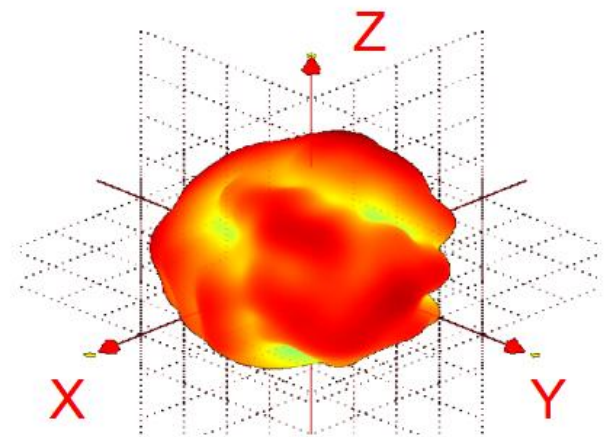
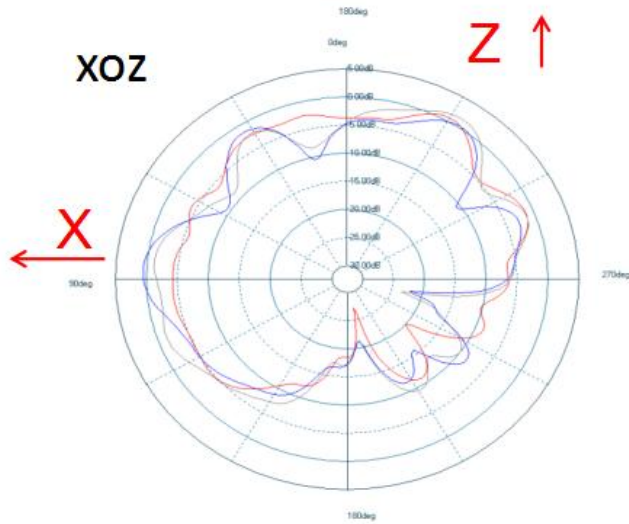
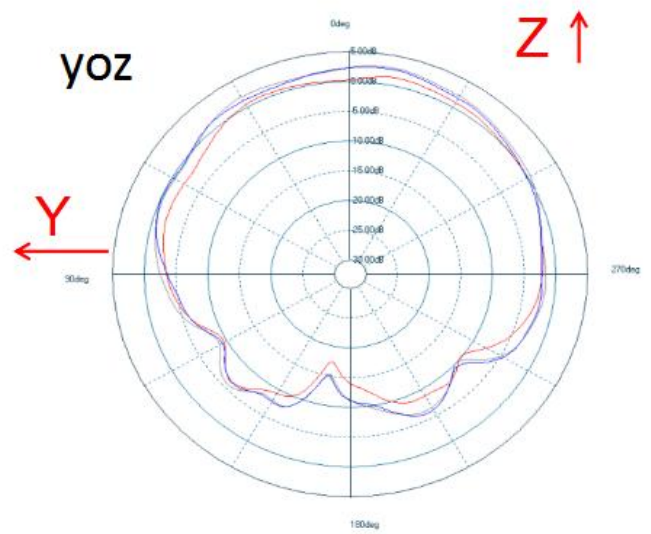
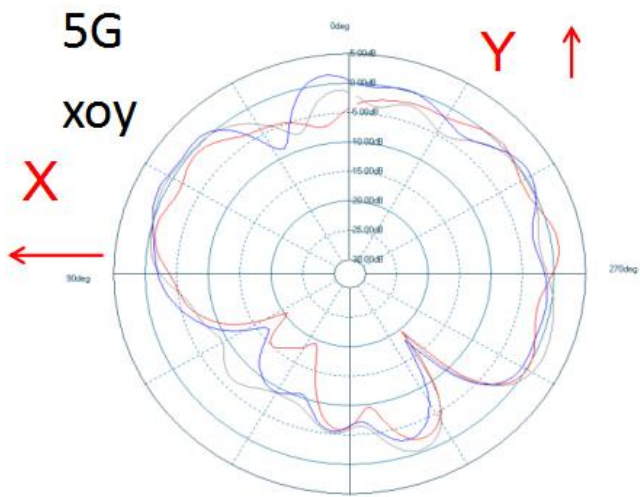


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2-3 Environmental treatment

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