

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

CUSTOMER(客户名称)	Hesung	
CS P/N(客户机种)	4L Humidifier	
PART NAME(品名)	WIFI antenna	
FREQUENCY(频率)	2400~2500MHz	
ZTX NO.(物料编号)	2.00006109	
DATE(日期)	2023-04-14	

CUSTOMER			
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

Remark:

Sign: _____

Shenzhen ZTX Communication Technology Co., Ltd				
MANAGER CHECKED	MANAGER CHECKED	ME CHECKED	RF CHECKED	LISTER



Shenzhen ZTX Communication Technology Co., Ltd

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Revision history

Version	Date	Record
A0	2023-04-14	first edition

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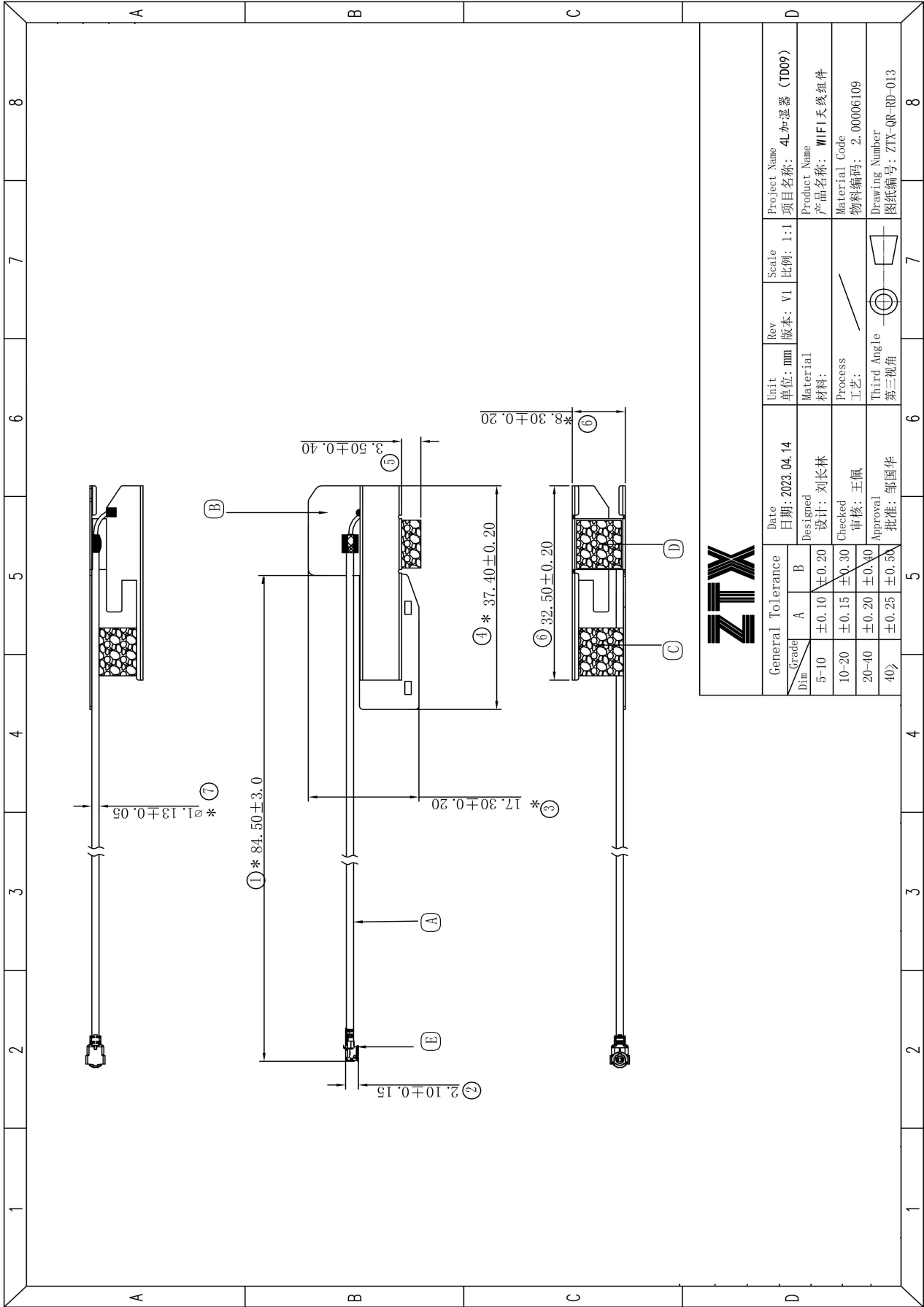
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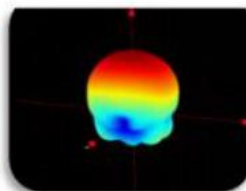
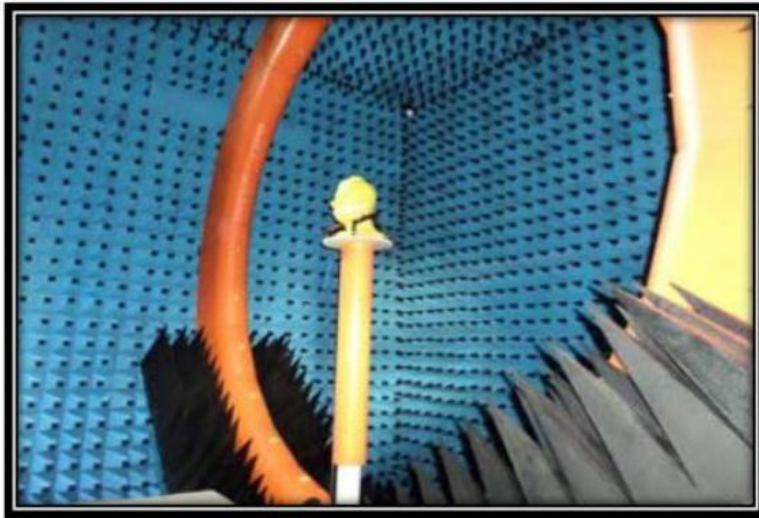
1. Mechanical Specification

1-1 Mechanical Configuration (WIFI antenna)



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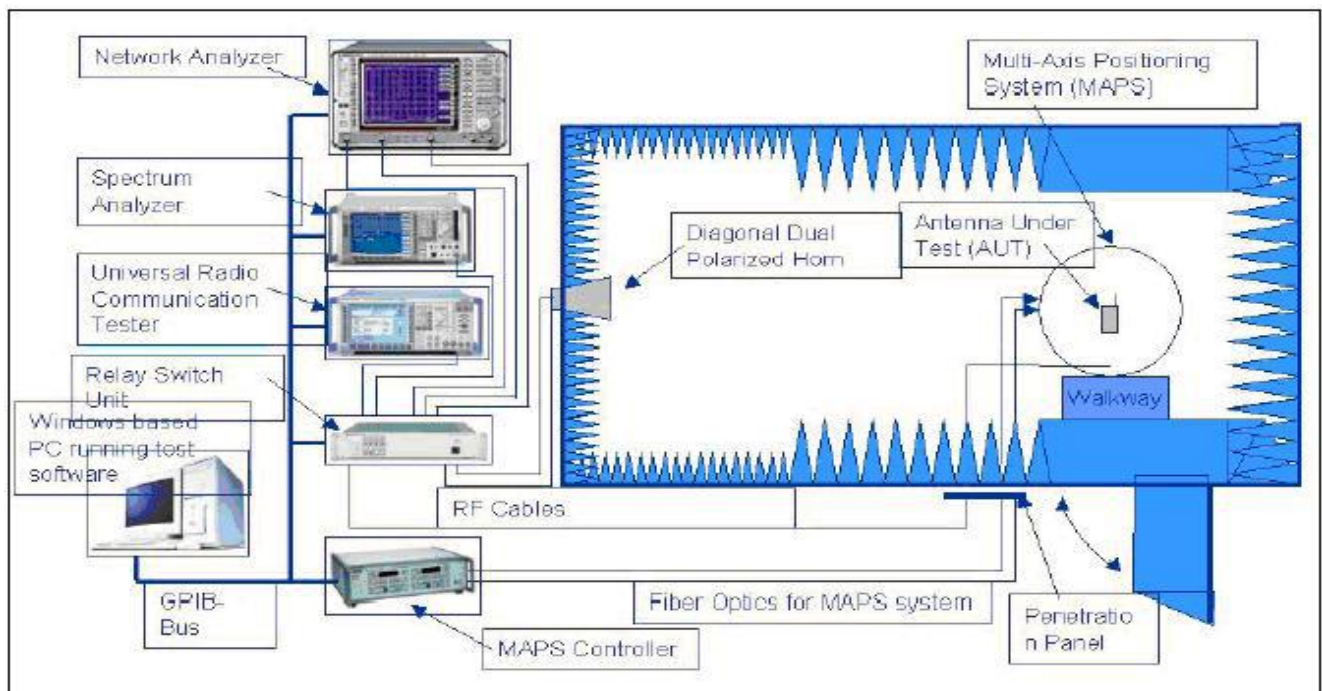
2. Test equipment



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 CTIA 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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3.Test Results Surmmary

3-1 OTA Test

B	Channels	TRP	TIS
	1	14.58	-82.48
	6	14.59	-82.05
	11	13.97	-81.99
G	Channels	TRP	TIS
	1	12.42	-68.48
	6	12.28	-69.05
	11	12.63	-68.39
N	Channels	TRP	TIS
	1	12.34	-62.48
	6	12.67	-63.05
	11	13.71	-62.99

3-2 VSWR

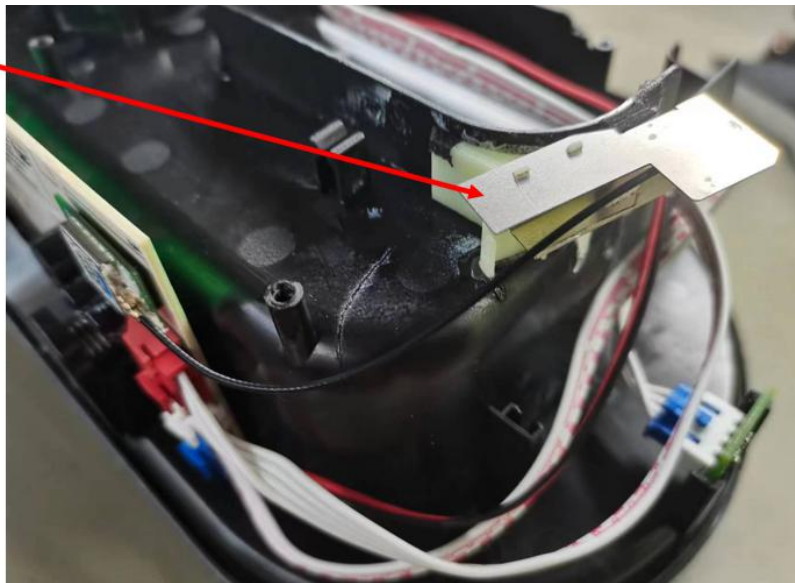


3-3 No-source test data

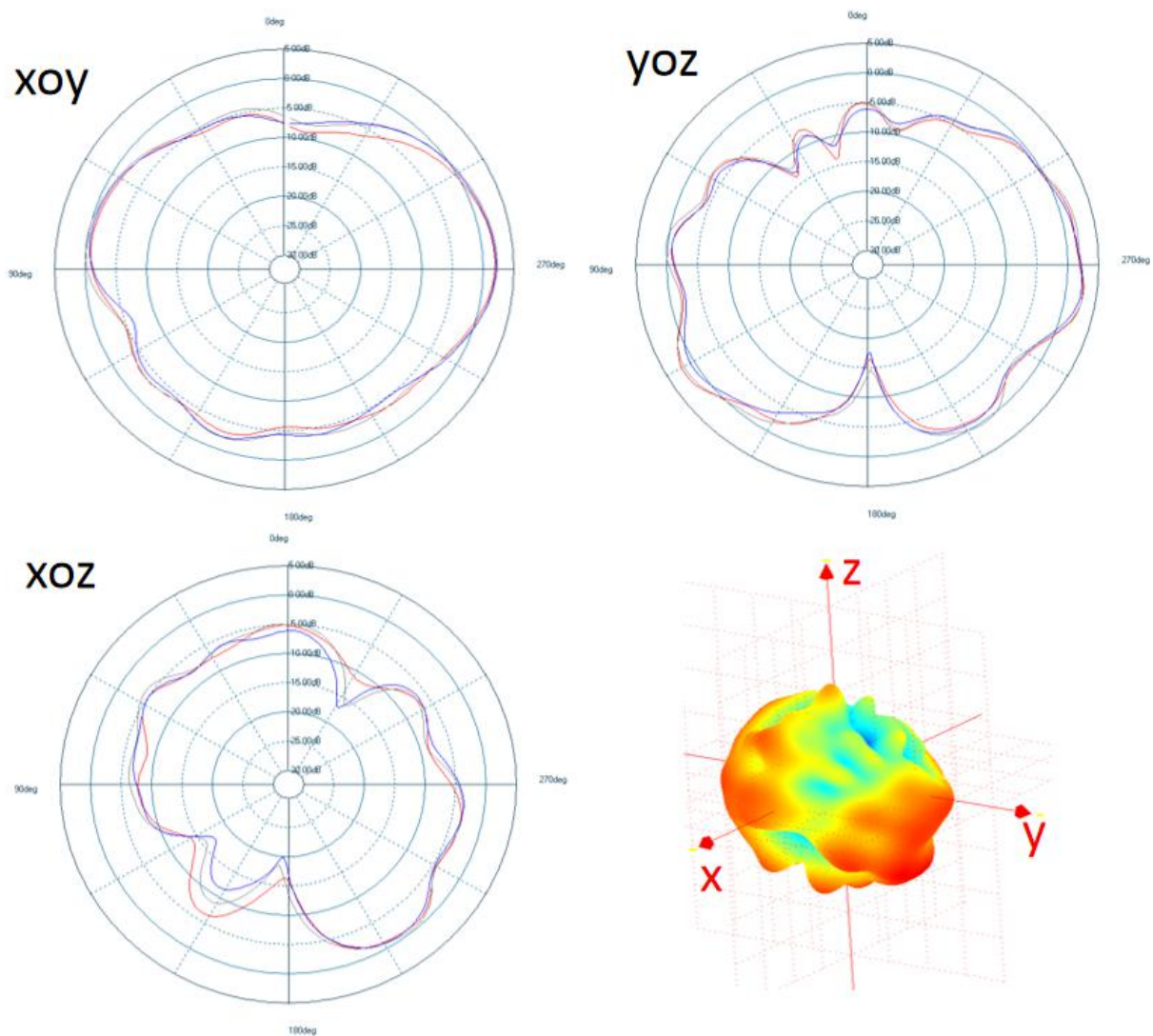
Frequency	Efficiency	Efficiency .dB	Gain .dBi
2400MHz	55%	-2.61	2
2450MHz	57%	-2.47	1.98
2500MHz	54%	-2.7	1.87

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3-4 Environment treatment



3-5 2D/3D Radiation Pattern Results



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4.Environment Characteristic

NO.	ITEM	TEST CONDITION	SPECIFICATION
4-1	High Temperature/Humidity Storage Test(non operating)	1.Temperature: +70 ±2℃ 2.Humidity: 90~95%RH 3.Time: 48hrs	No material deformation is allowed.
4-2	Low Temperature/Humidity Storage Test(non operating)	1.Temperature: -30±2℃ 2.Humidity: 0%RH 3.Time:48hrs	The VSWR, Gain, Radiation Pattern must be met specifications after these test.