

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER	Hesung Innovation Limited	
	CS P/N	DR-HPF005S Floor Circulating Fan	
	PART NAME	WIFI Antenna	
	FREQUENCY	2400~2500MHz	
	ZTX NO.	2.00006419	
	DATE	2023-11-17	

CUSTOMER			
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

Remark:

Sign:

Shenzhen ZTX Communication Technology Co., Ltd				
MANAGER C-202341157 研发专用章	MANAGER CHECKED	ME CHECKED Zou Yilin	RF CHECKED Wang Pei	LISTER



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ANTENNA SPECIFICATION

CUS P/N :DR-HPF005S Floor Circulating Fan WIFI Antenna ApplicationDate:Nov,17,2023

Rev: R:A0

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Revision history

Edition	Date	state
A0	2023-11-17	First edition

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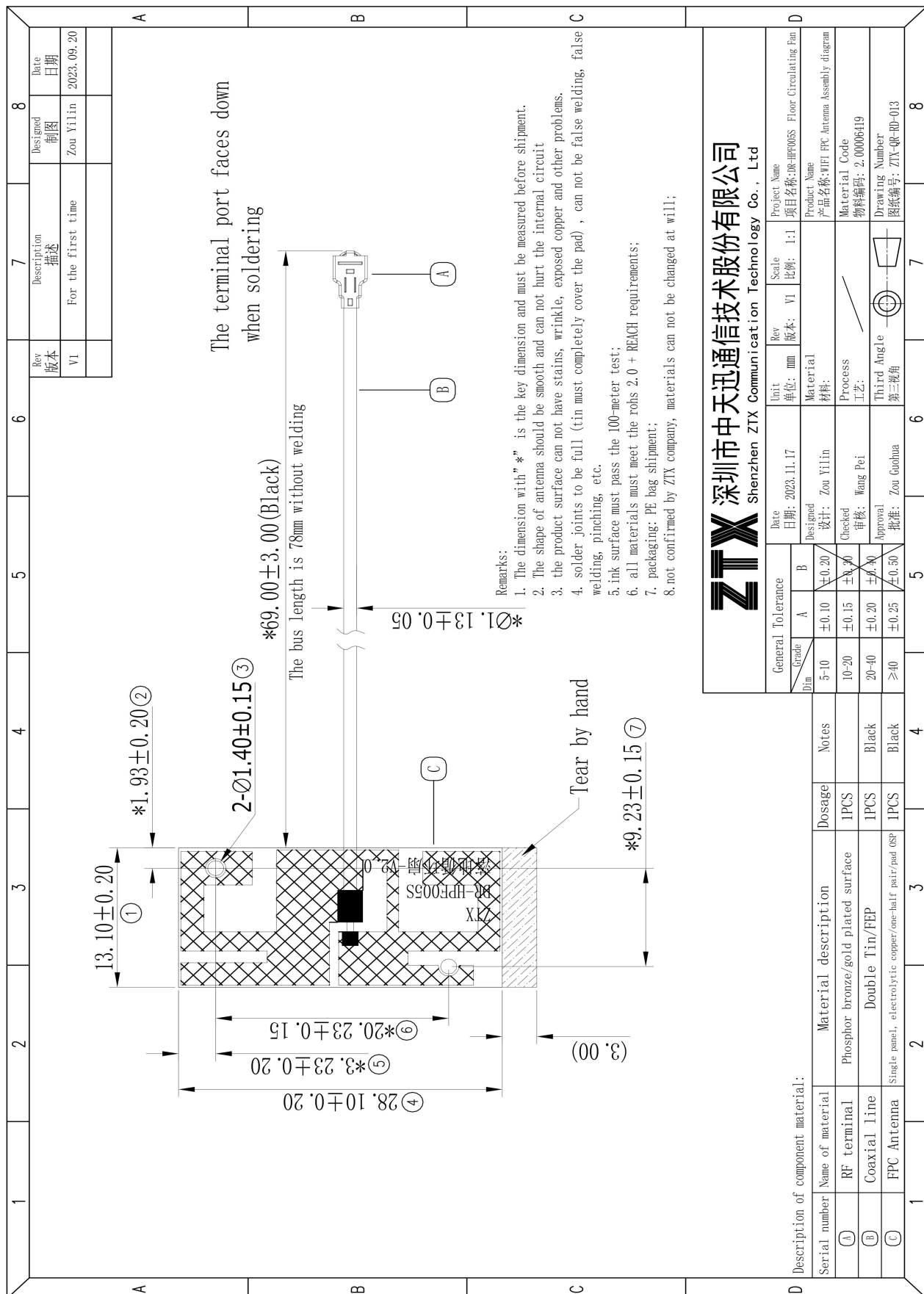
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1. Mechanical Specification

1-1 Mechanical Configuration (WIFI Antenna)



ANTENNA SPECIFICATION

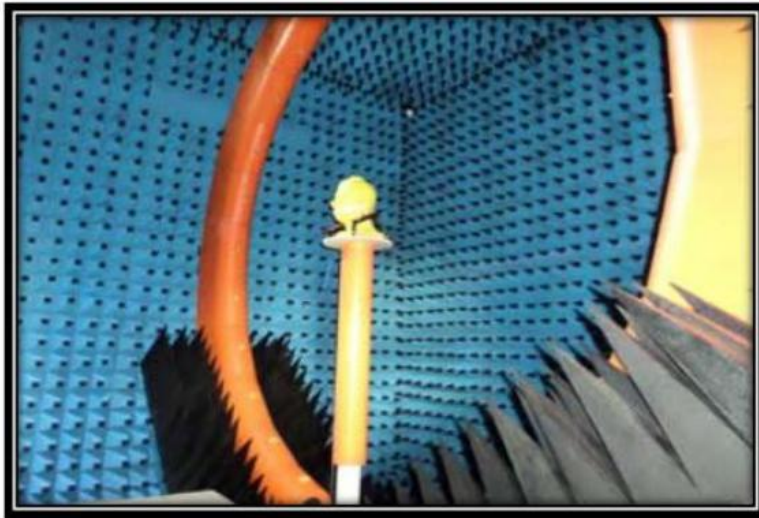
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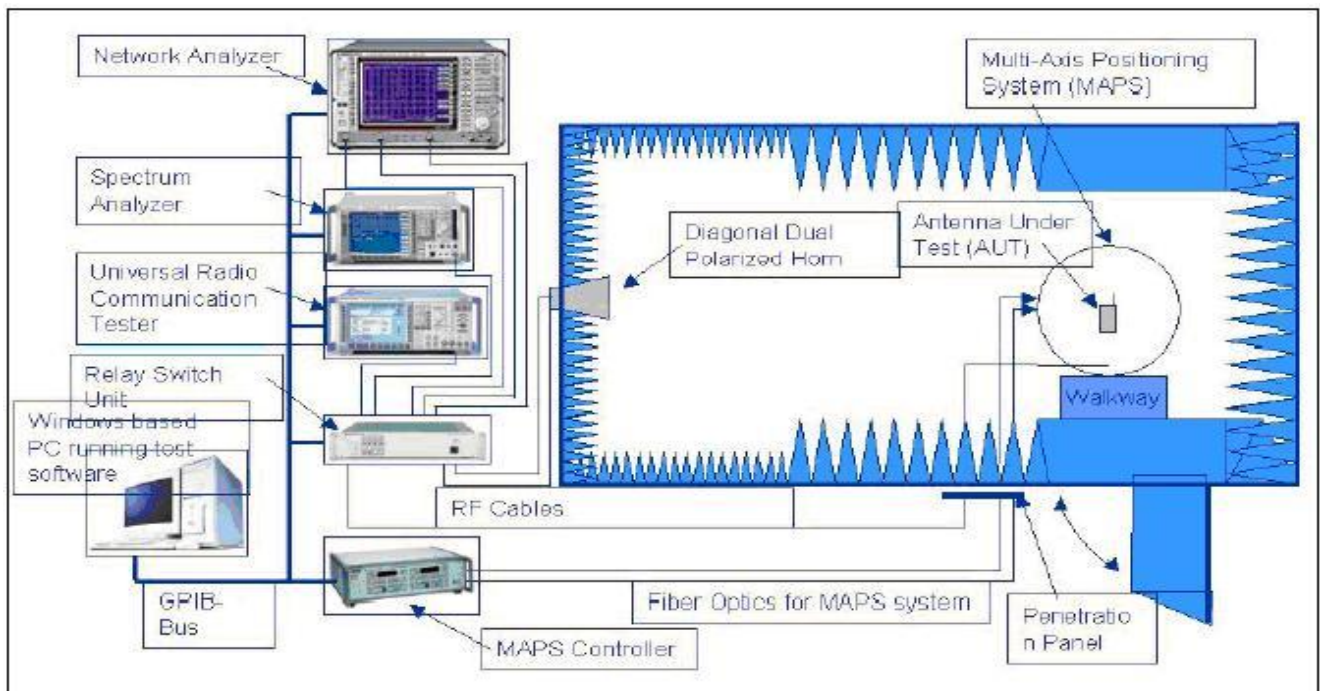
2. Test equipment



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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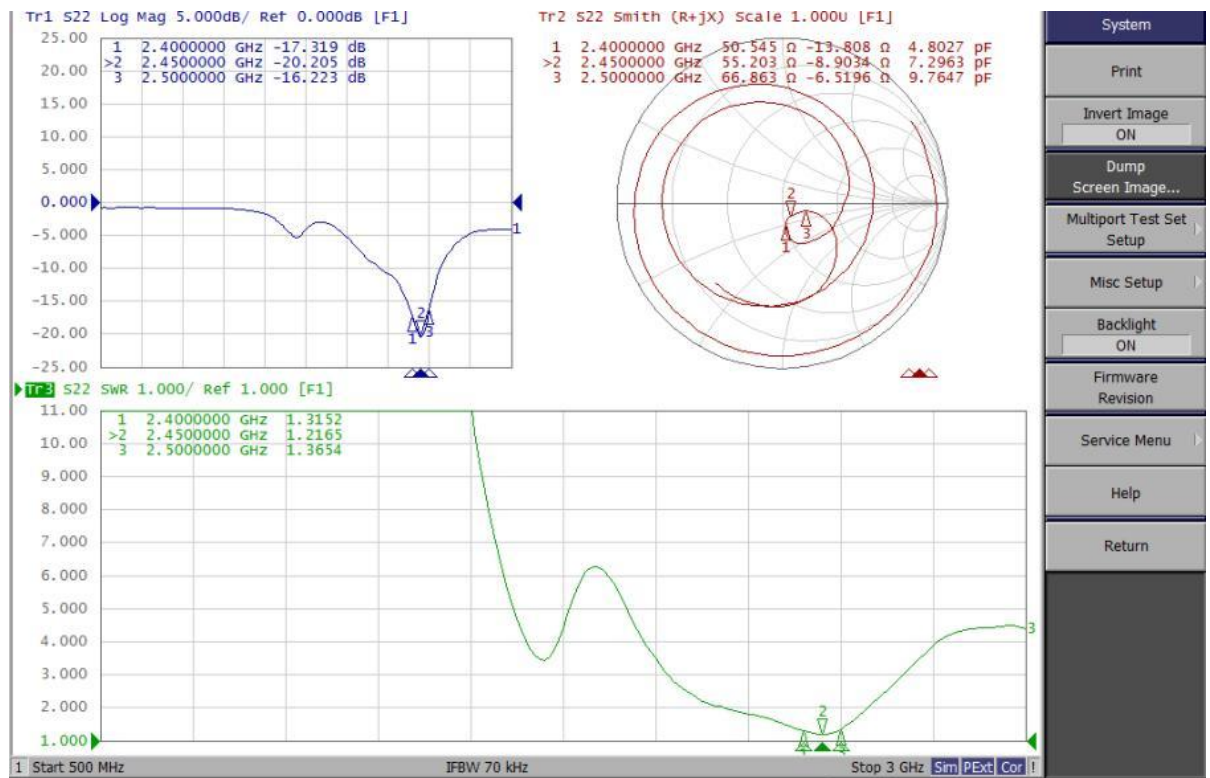
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3.Test Results Summary

3-1 Active Test

B	TRP	TIS		G	TRP	TIS		N	TRP	TIS
1	15.51	-84.4		1	12.66	-70.2		1	12.58	-64.7
6	15.23	-84		6	12.08	-70		6	12.11	-64.6
11	15.46	-84.6		11	12.51	-70.4		11	12.45	-64.8

3-2 VSWR



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3-3 No-source test data

Frequency	Efficiency	Efficiency	Gain . dB
2400	64%	-1.9	5.1
2410	62%	-2.1	4.8
2420	64%	-1.9	4.9
2430	64%	-2.0	4.0
2440	62%	-2.1	4.0
2450	61%	-2.1	5.1
2460	62%	-2.1	5.3
2470	65%	-1.9	5.6
2480	64%	-2.0	5.6
2490	63%	-2.0	5.5
2500	65%	-1.9	5.8

ANTENNA SPECIFICATION

CUS P/N:HAP006_WIFI antenna components

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3-4 2D/3D Radiation Pattern Results

