

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER	Hesung Innovation Limited	
	CS P/N	HS-FPC001-50A	
	TEST MODEL	DR-HCF003S	
	PART NAME	WIFI Antenna	
	FREQUENCY	2400~2500MHz	
	ZTX NO.	2.00000917	
	DATE	2024-03-01	

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
		Youjie Ke	Jianeng Feng	



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ANTENNA SPECIFICATION

Revision history

Edition	Date	state
A0	2024-03-01	First edition

ANTENNA SPECIFICATION

CUS P/N :HS-FPC001-50A_WIFI Antenna

Application Date:Mar,01,2024

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1-1 Mechanical Configuration (WIFI Antenna)



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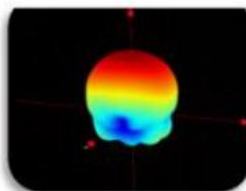
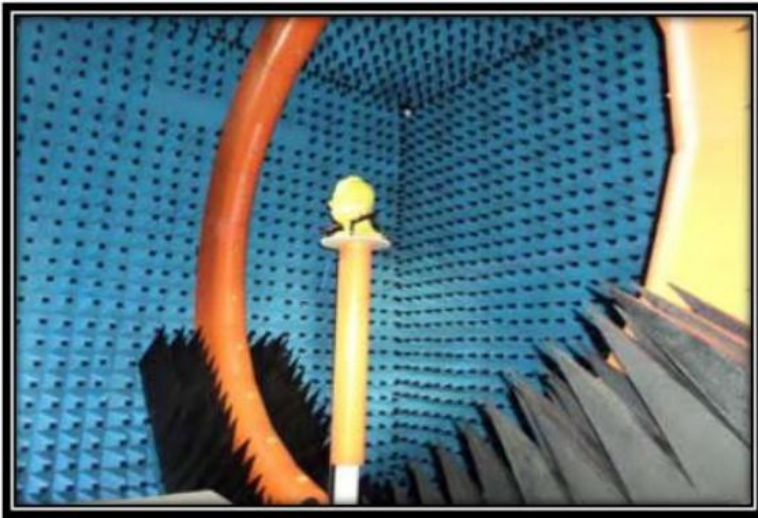
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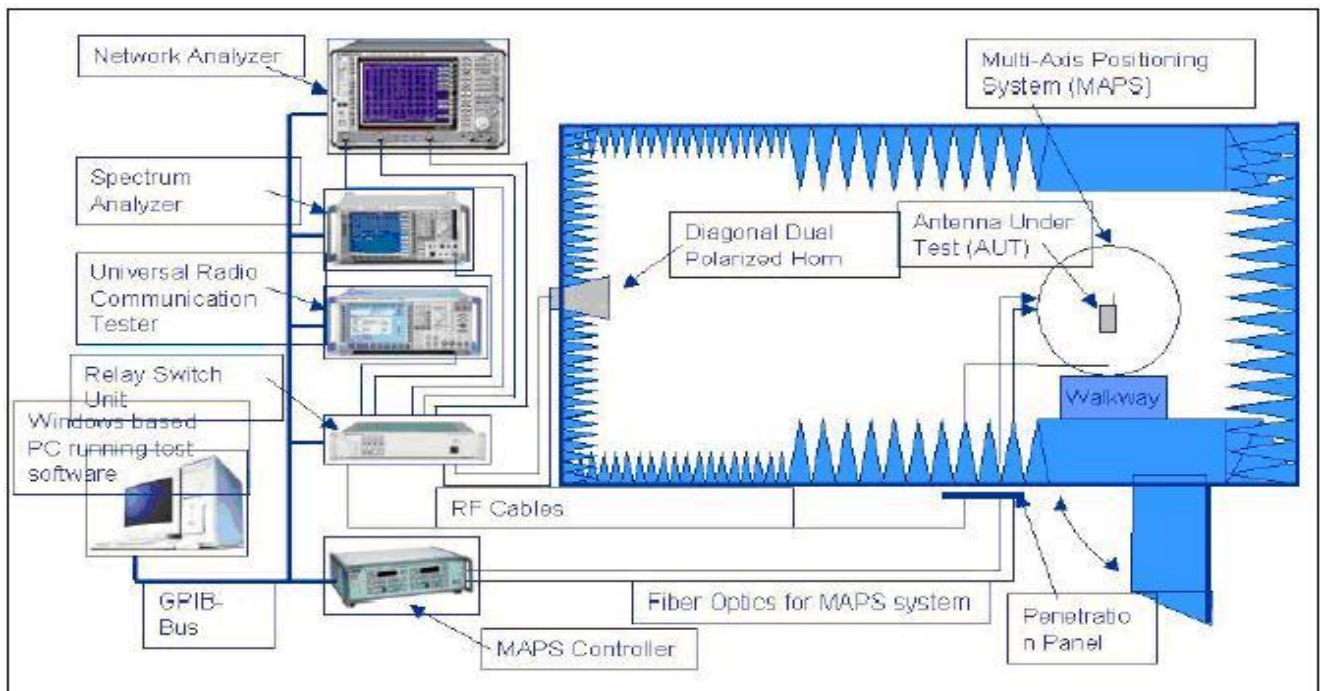
2. Test equipment



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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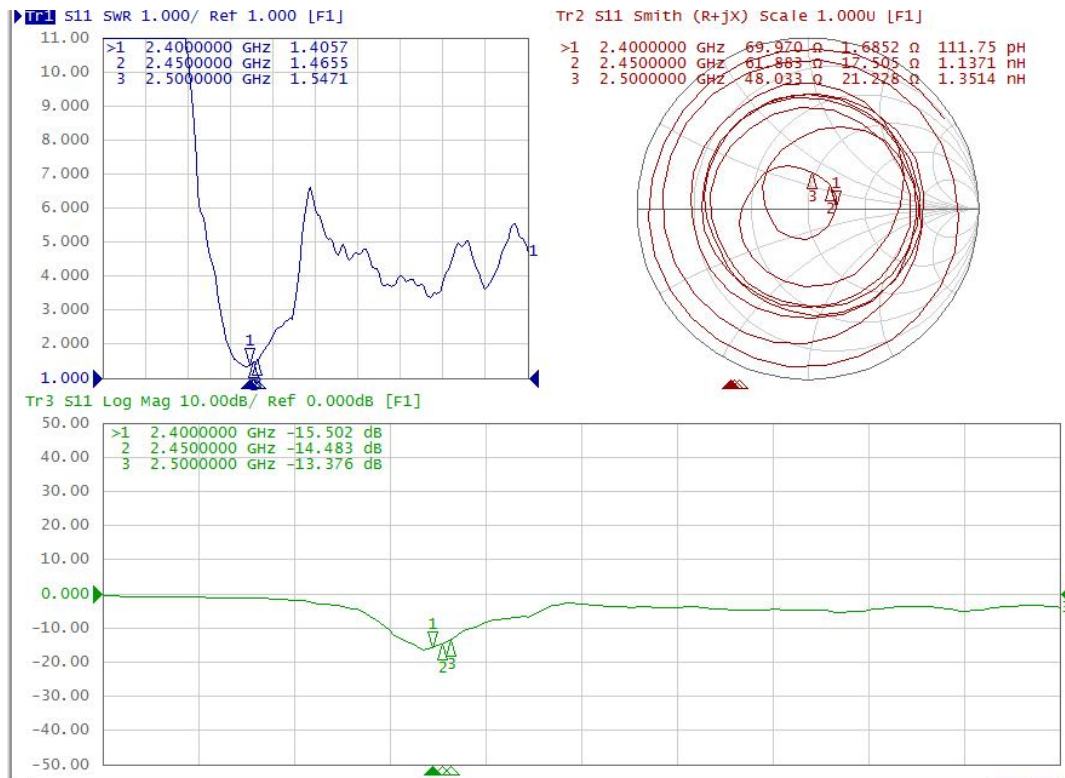
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3.Test Results Summary

3-1 Active Test

	B		G		N	
Channels	TRP	TIS	TRP	TIS	TRP	TIS
1	15.98	-82.64	13.76	-69.85	13.58	-67.59
6	15.78	-82.64	13.88	-70.24	13.69	-67.95
11	15.77	-81.64	13.87	-69.59	13.44	-68.22

3-2 VSWR



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3-3 No-source test data

Frequency	Efficiency	Efficiency. dB	Gain. dB
2400MHz	61%	-2.15	4.12
2410MHz	62%	-2.08	4.45
2420MHz	60%	-2.22	4.31
2430MHz	61%	-2.15	4.28
2440MHz	62%	-2.08	4.18
2450MHz	61%	-2.15	4.08
2460MHz	59%	-2.29	4.99
2470MHz	61%	-2.15	4.62
2480MHz	58%	-2.37	3.98
2490MHz	60%	-2.22	3.98
2500MHz	61%	-2.15	4.15

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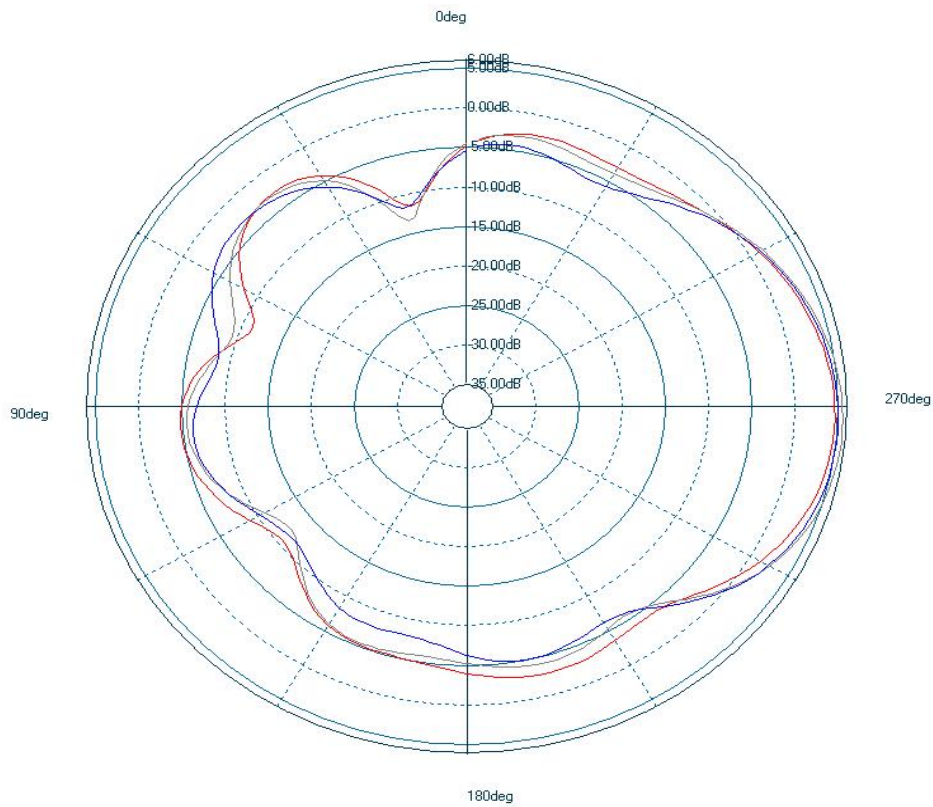
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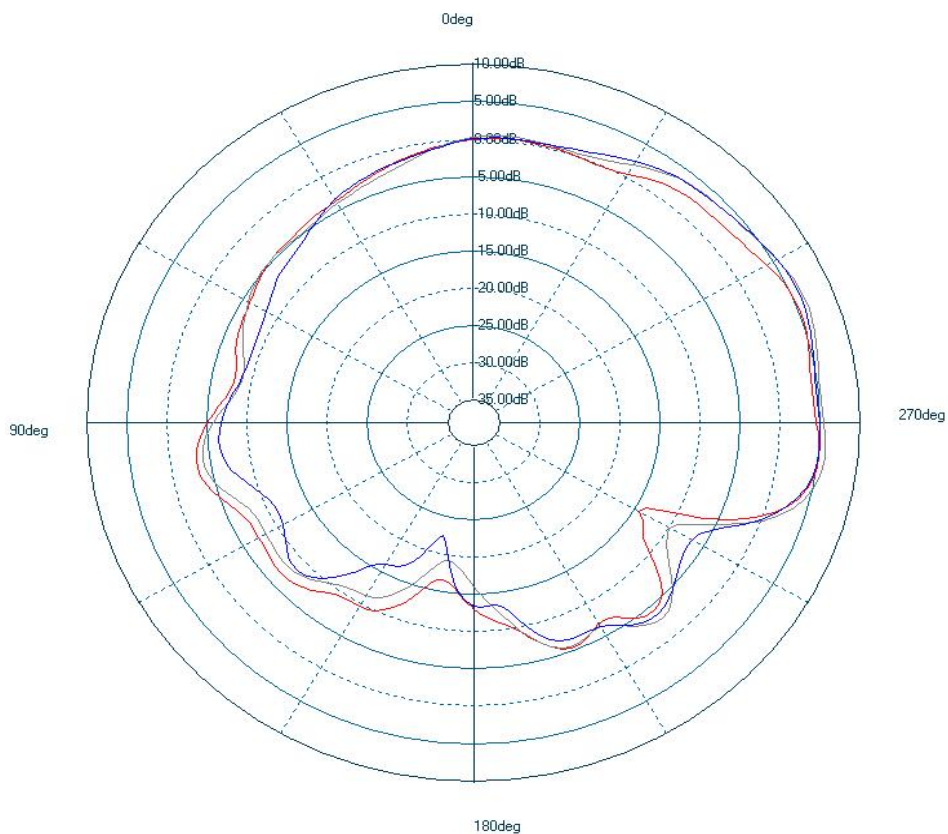
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3-4 2D/3D Radiation Pattern Results

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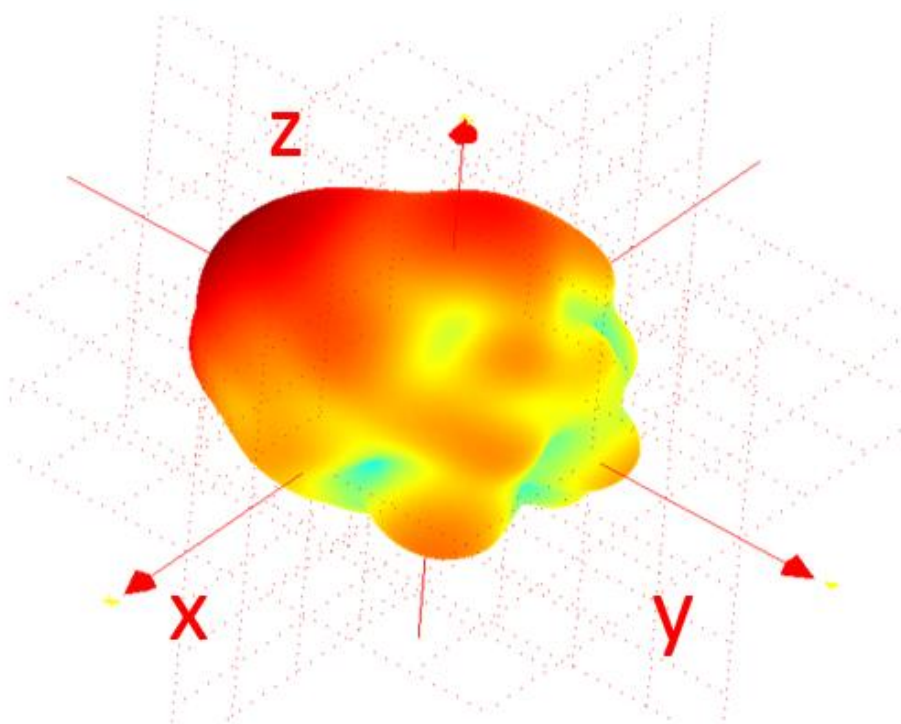
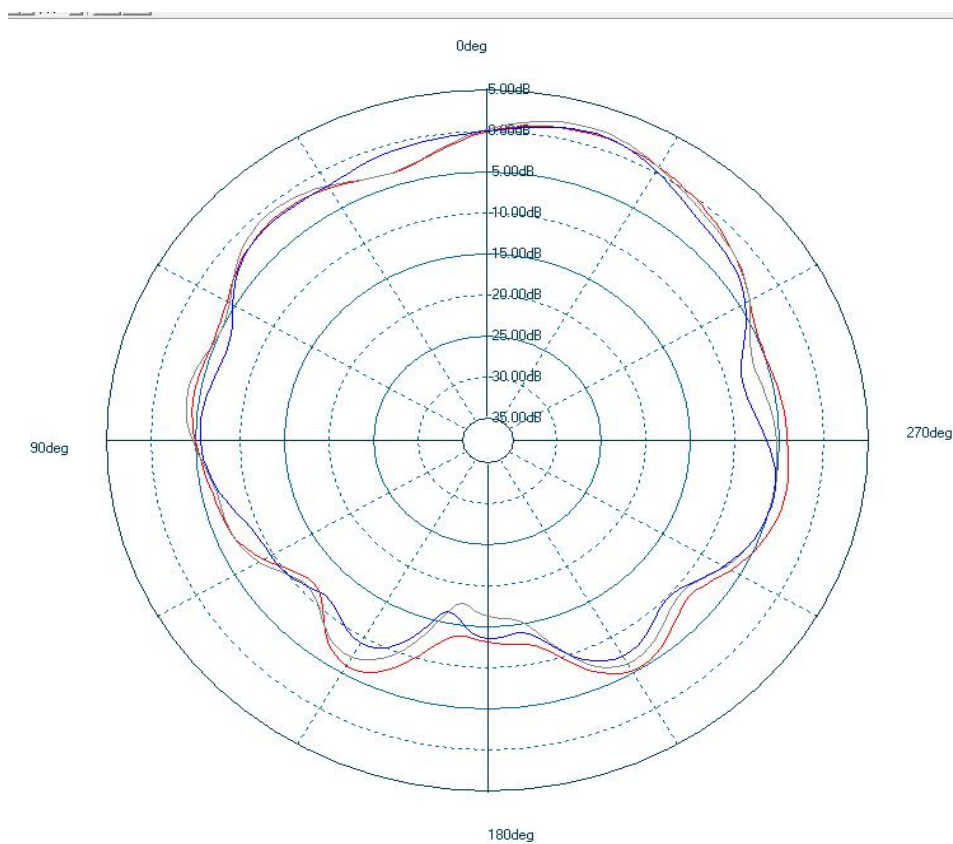
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3-5 Environmental treatment

