

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER	Hesung Innovation Limited	
	CS P/N	HPF008S	
	TEST MODEL	WIFI antenna assembly	
	PART NAME	2400-2500MHz	
	FREQUENCY	2.00002652	
	ZTX NO.	2026-05-12	

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	Bohou.Jiang	



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ANTENNA SPECIFICATION

CUS P/N:HPF008S_WIFI antenna assembly

Application Date:May,12,2026

Rev: R:A0

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Revision history

Edition	Date	state
A0	2026-05-12	First edition

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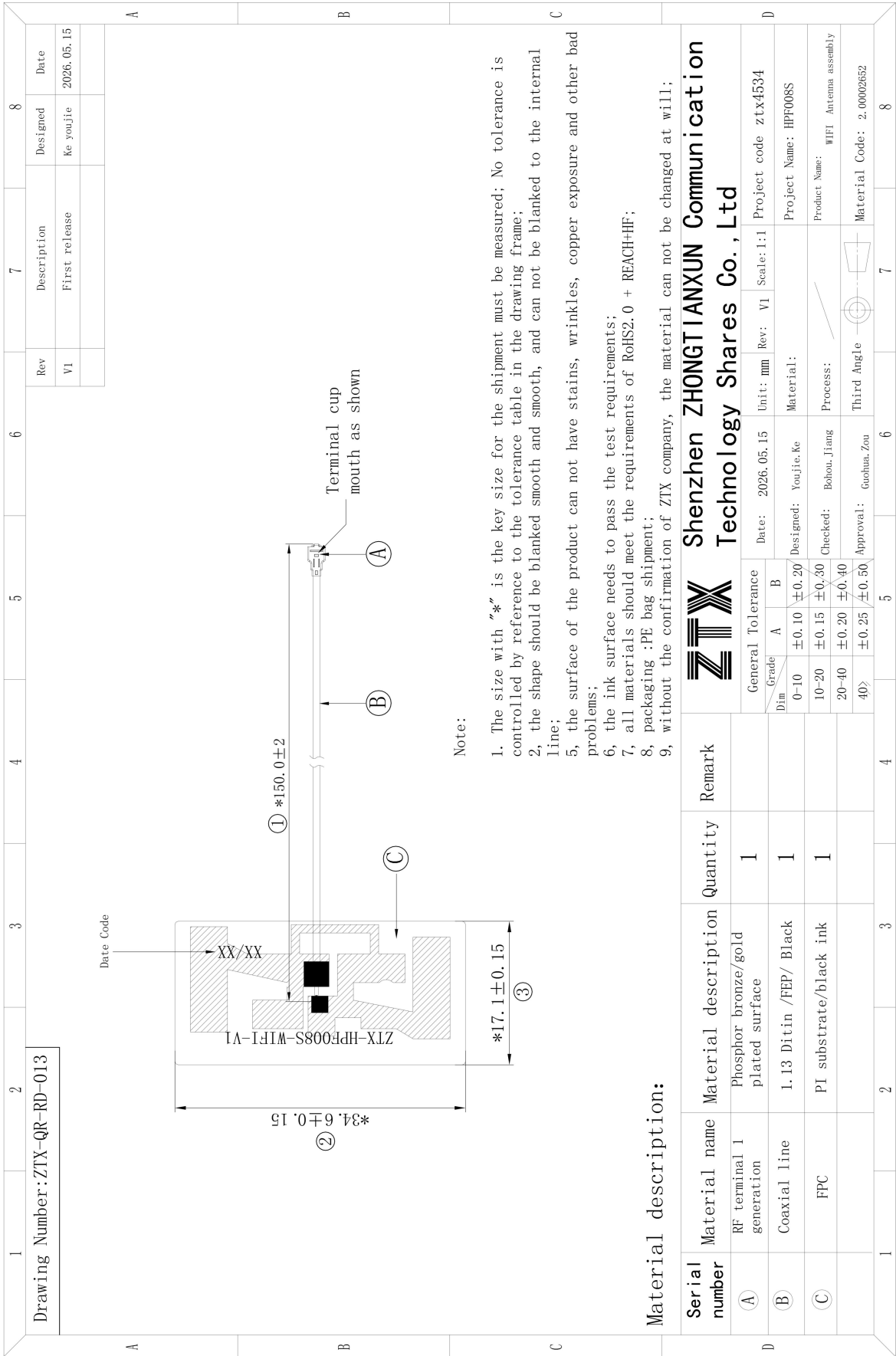
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ANTENNA SPECIFICATION

1. Mechanical Specification

1-1 Mechanical Configuration(WIFI antenna assembly)



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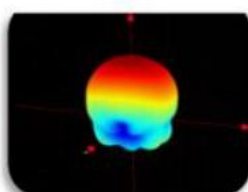
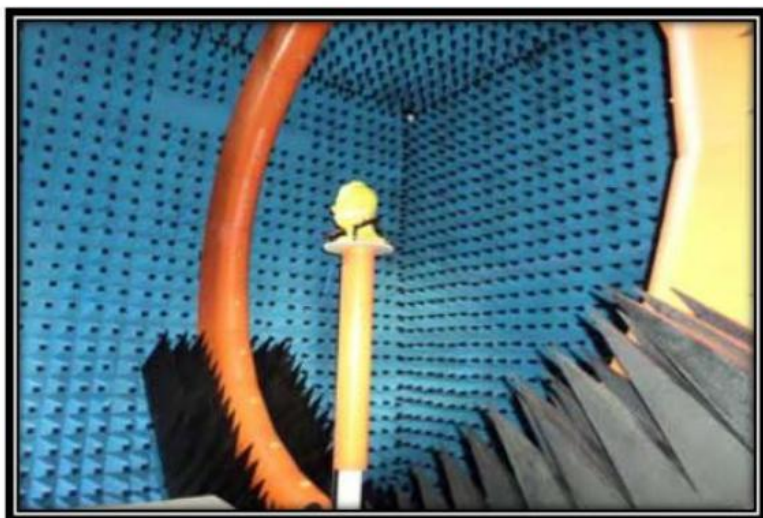
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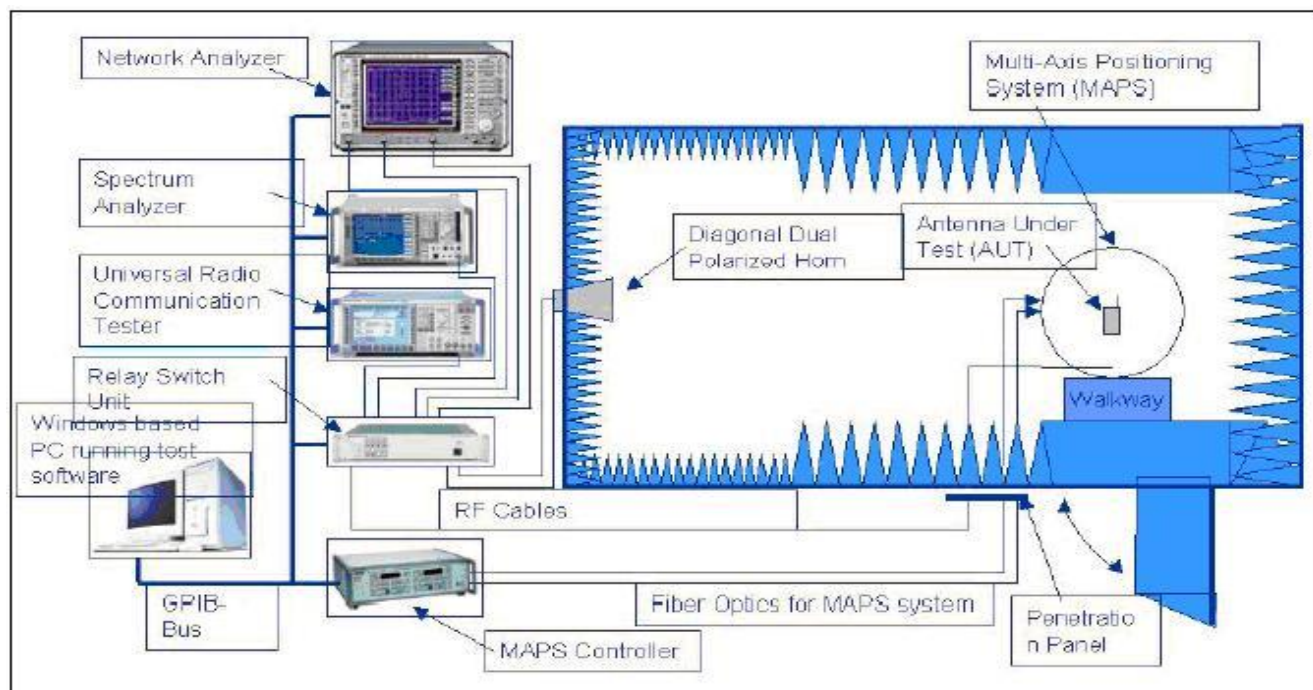
2. Test equipment



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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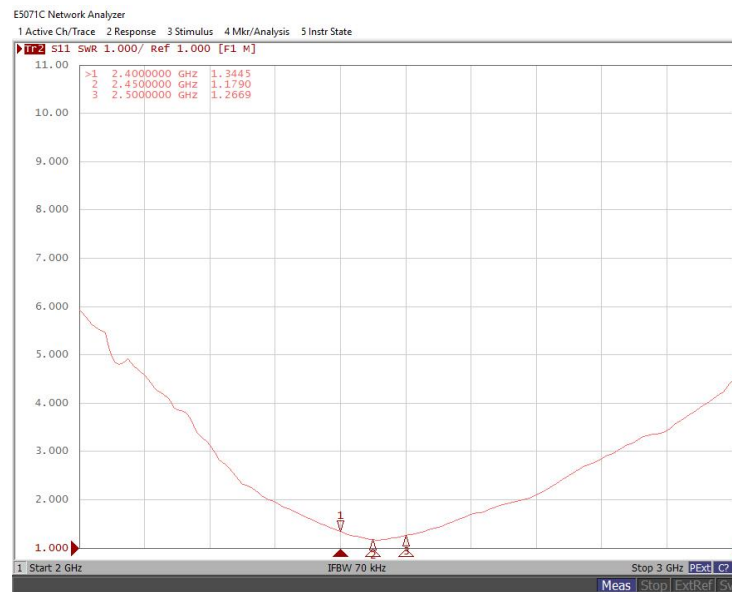
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3.Test Results Summary

3-1 Active test

11B	TRP	TIS
1	16.13	-83.34
6	16.85	-83.44
11	16.6	-83.25
11G		
1	16.14	-70.81
6	15.88	-70.88
11	16.14	-71.03
11N		
1	15.37	-67.75
6	14.83	-68.01
11	15.2	-67.57

3-2 S11



3-3 Passive test

Frequency(MHz)	Efficiency	Efficiency . dB	Gain . dBi
2400	65%	-1.86	4.15
2410	64%	-1.91	4.07
2420	67%	-1.72	4.31
2430	68%	-1.66	4.27
2440	69%	-1.61	4.30
2450	70%	-1.58	4.24
2460	70%	-1.53	4.53
2470	69%	-1.63	4.47
2480	70%	-1.57	4.53
2490	70%	-1.52	4.39
2500	70%	-1.54	4.16

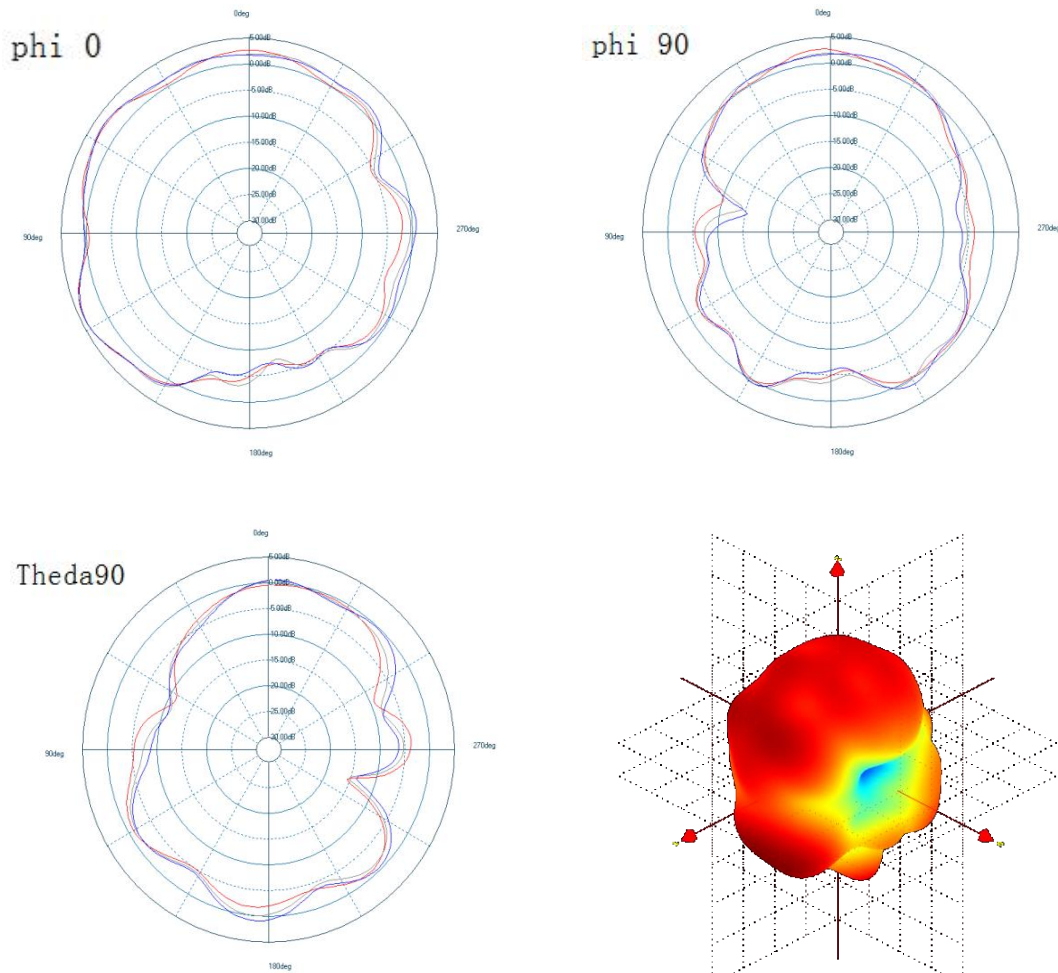
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3-4 2D/3D Radiation Pattern Results



3-5 Environment treatment

