

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER	Hesung Innovation Limited	
	CS P/N		
	TEST MODEL	HCF010	
	PART NAME	WIFI antenna assembly	
	FREQUENCY	2400~2500MHz	
	ZTX NO.	2.00002163	
	DATE	2026-03-02	

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
		Shuman.Ma	Zebin.Zhang	



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ANTENNA SPECIFICATION

CUS P/N:HCF010_WIFI antenna assembly

Application Date:Mar,02,2026

Rev: R:A0

ZTX P/N :HCF010_WIFI antenna assembly

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Revision history

Edition	Date	state
A0	2026-03-02	First edition

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ANTENNA SPECIFICATION

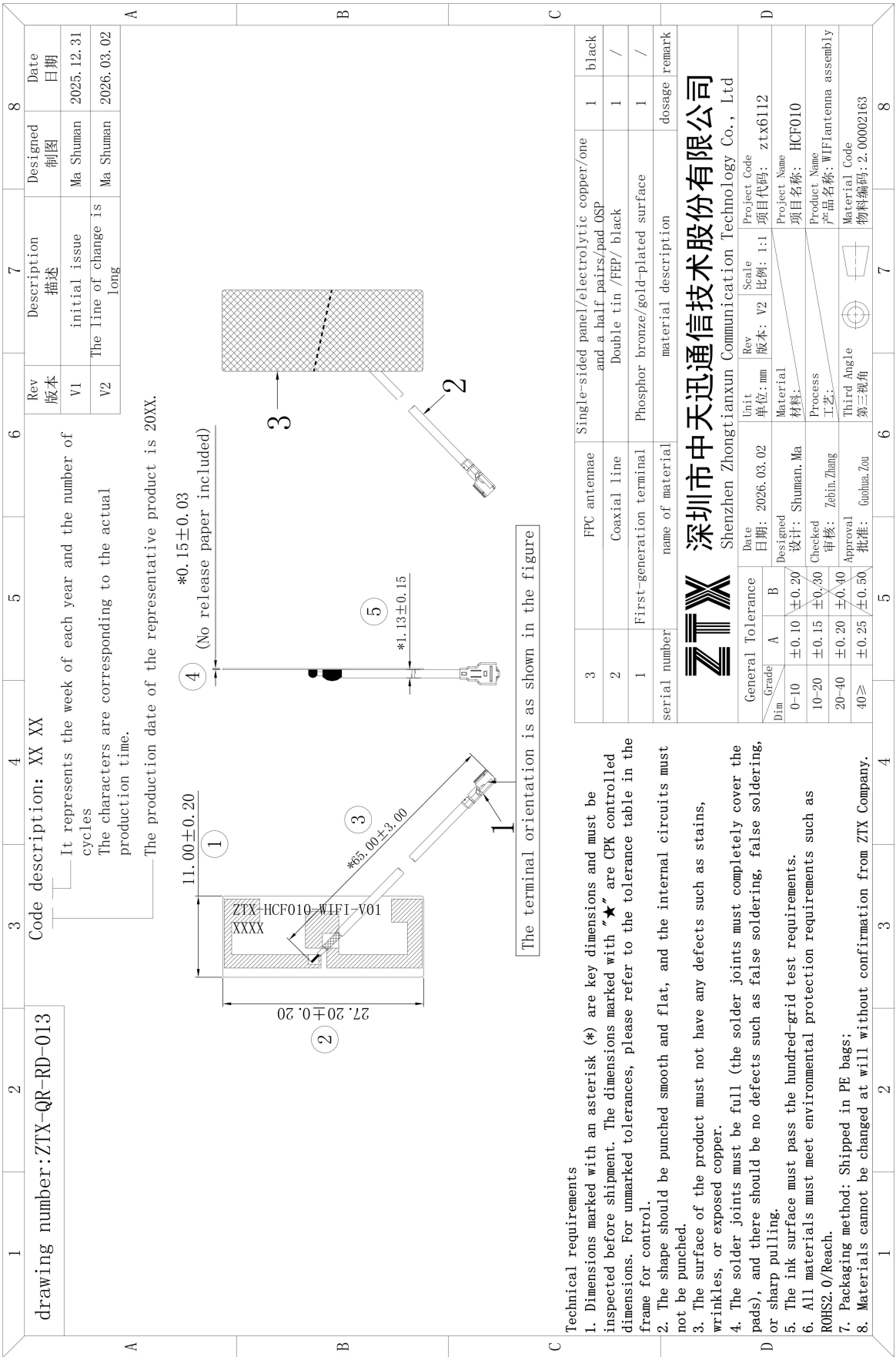
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1. Mechanical Specification

1-1 Mechanical Configuration (WIFI antenna assembly)



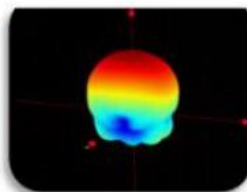
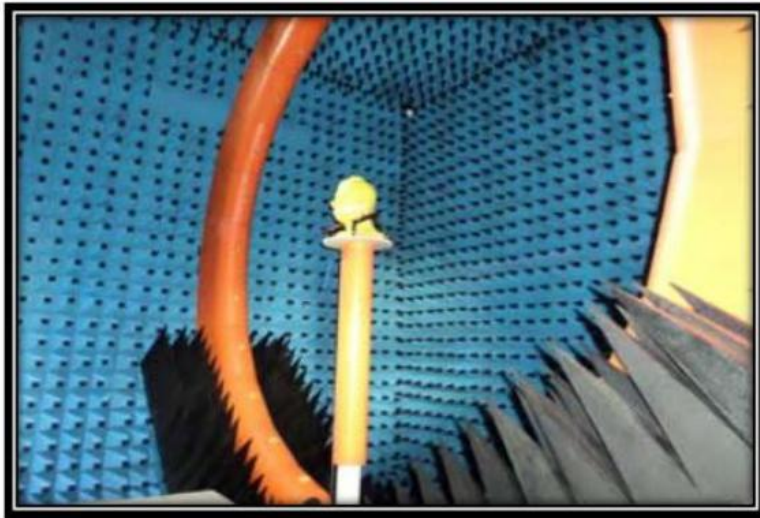
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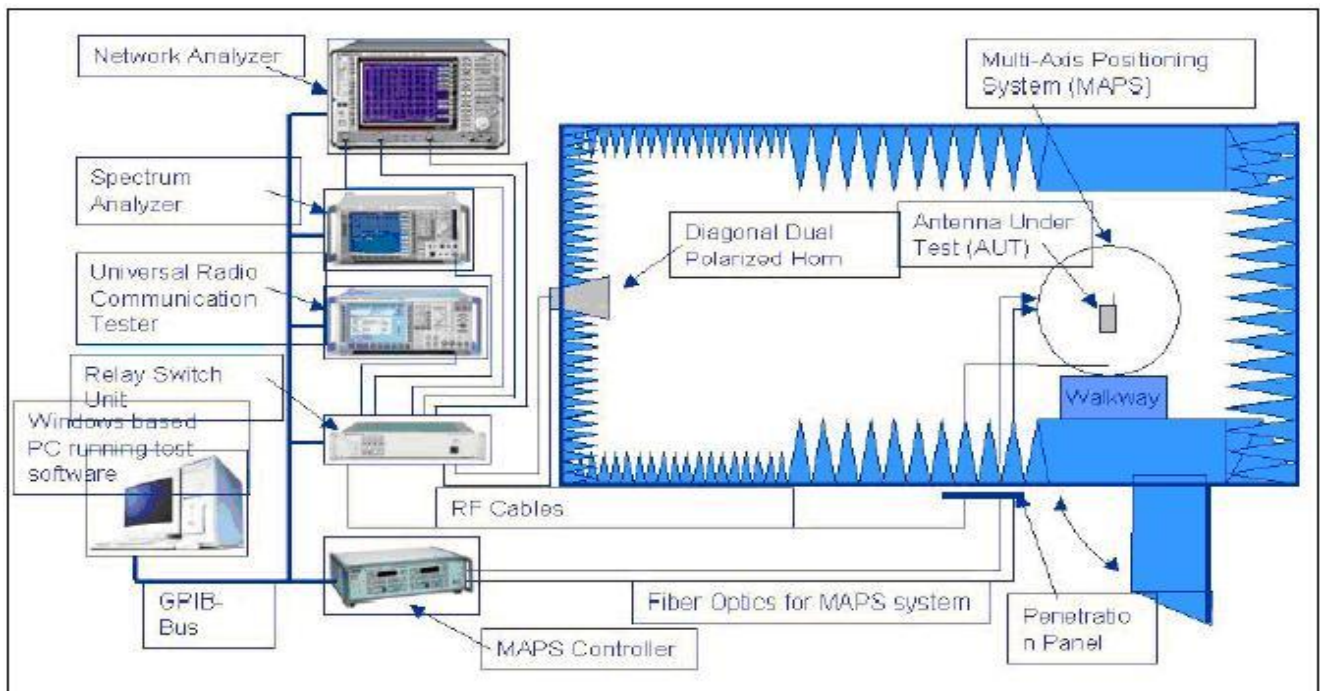
2. Test equipment



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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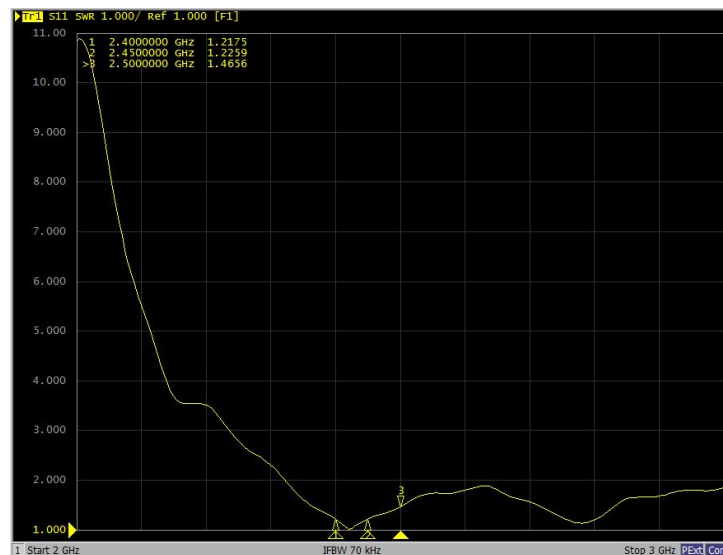
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3.Test Results Summary

3-1 Active Test

b	TRP	TIS
1	15.21	-80.61
7	15.75	-80.23
13	15.76	-80.25
g	TRP	TIS
1	14.25	-68.29
7	14.47	-68.29
13	14.87	-68.85
n	TRP	TIS
1	13.56	-65.46
7	13.88	-66.02
13	13.42	-65.69

3-2 VSWR



3-3 Passive Test

Frequenc (MHz)	Efficiency	Efficiency . dB	Gain . dBi
2400	58%	-2.34	2.76
2410	57%	-2.41	2.63
2420	59%	-2.30	2.98
2430	62%	-2.10	3.28
2440	60%	-2.21	3.17
2450	60%	-2.20	3.14
2460	58%	-2.38	2.48
2470	59%	-2.27	2.87
2480	59%	-2.27	2.96
2490	59%	-2.33	3.10
2500	58%	-2.33	3.24

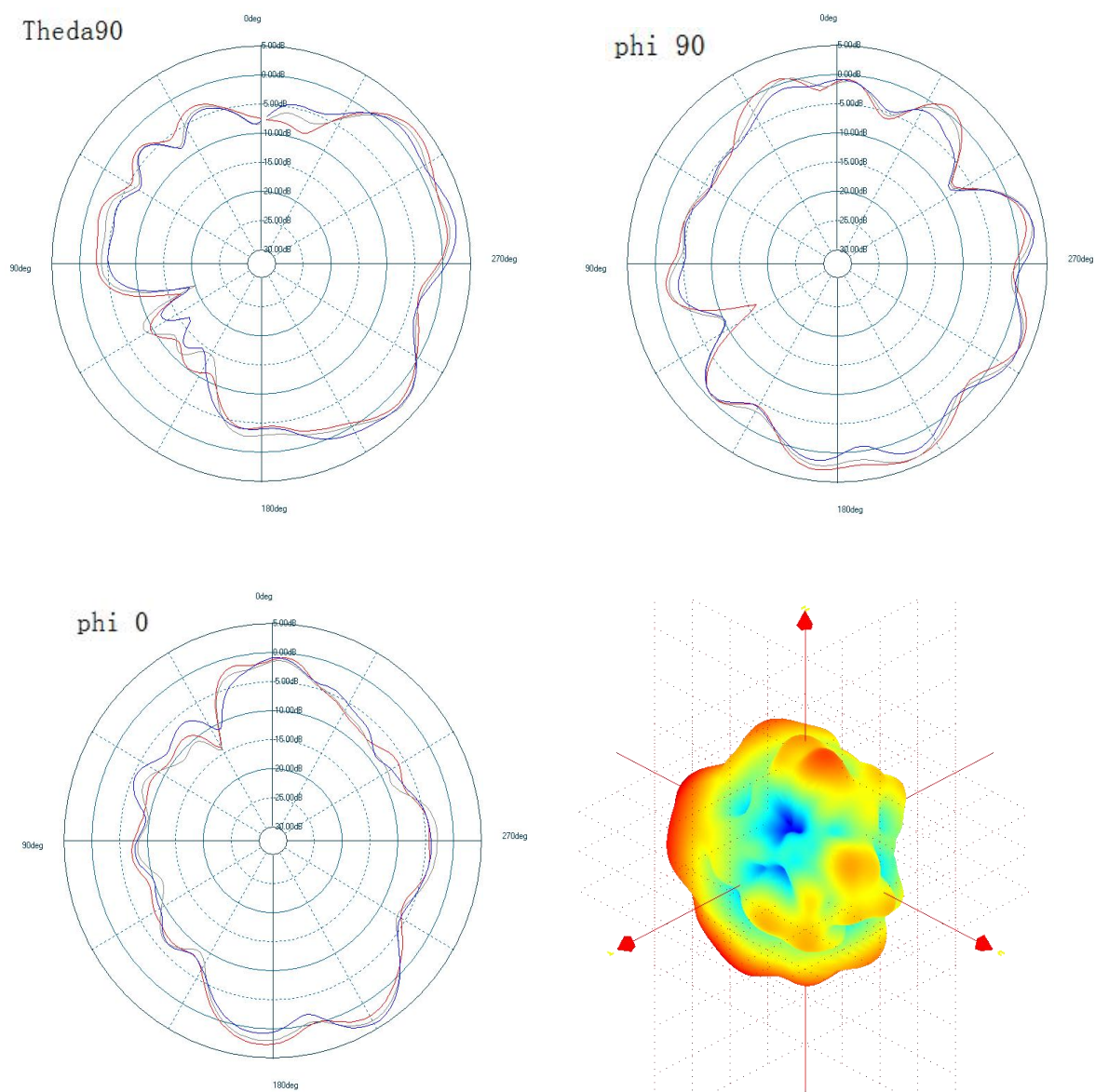
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3-4 2D/3D Radiation Pattern Results



3-5 Environmental treatment

