

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER	HESUNG	
	CS P/N		
	TEST MODEL	DR-HHM014S	
	PART NAME	WIFI antenna	
	FREQUENCY	2400~2500MHz	
	ZTX NO.	2.00001748	
	DATE	2025-03-31	

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
		覃乐	江博厚	



Shenzhen ZTX Communication Technology Co., Ltd

Address: No.34, Shilong Avenue, Shiyan Town, Baoan District, Shenzhen, (Tengda Industrial Park) 518000

Tel.: 0755-27588320 Fax: 0755-27588045 <http://www.chinaztx.com>

ANTENNA SPECIFICATION

CUS P/N:HHM014S
ZTX P/N :HHM014S

Application Date:Mar,31,2025
Editor:

Rev: R:A0
Page 1 of 7

Revision history

versions	date	state
A0	2025-03-31	first edition

ANTENNA SPECIFICATION

CUS P/N:HHM014S
ZTX P/N :HHM014S

Application Date:Mar,31,2025
Editor:

Rev: R:A0
Page 2 of 7

Index

		Revision history	1
		Index	2
1		Mechanical Specification	3
	1-1	Mechanical Specification(WIFI antenna module)	3
2		Test equipment	4
3		Test Results Surmmmary	5
	3-1	Active Test	5
	3-2	VSWR	5
	3-3	Passtive Test	5
	3-4	2D/3D Radiation Pattern Results	6
	3-5	Environmental treatment	7

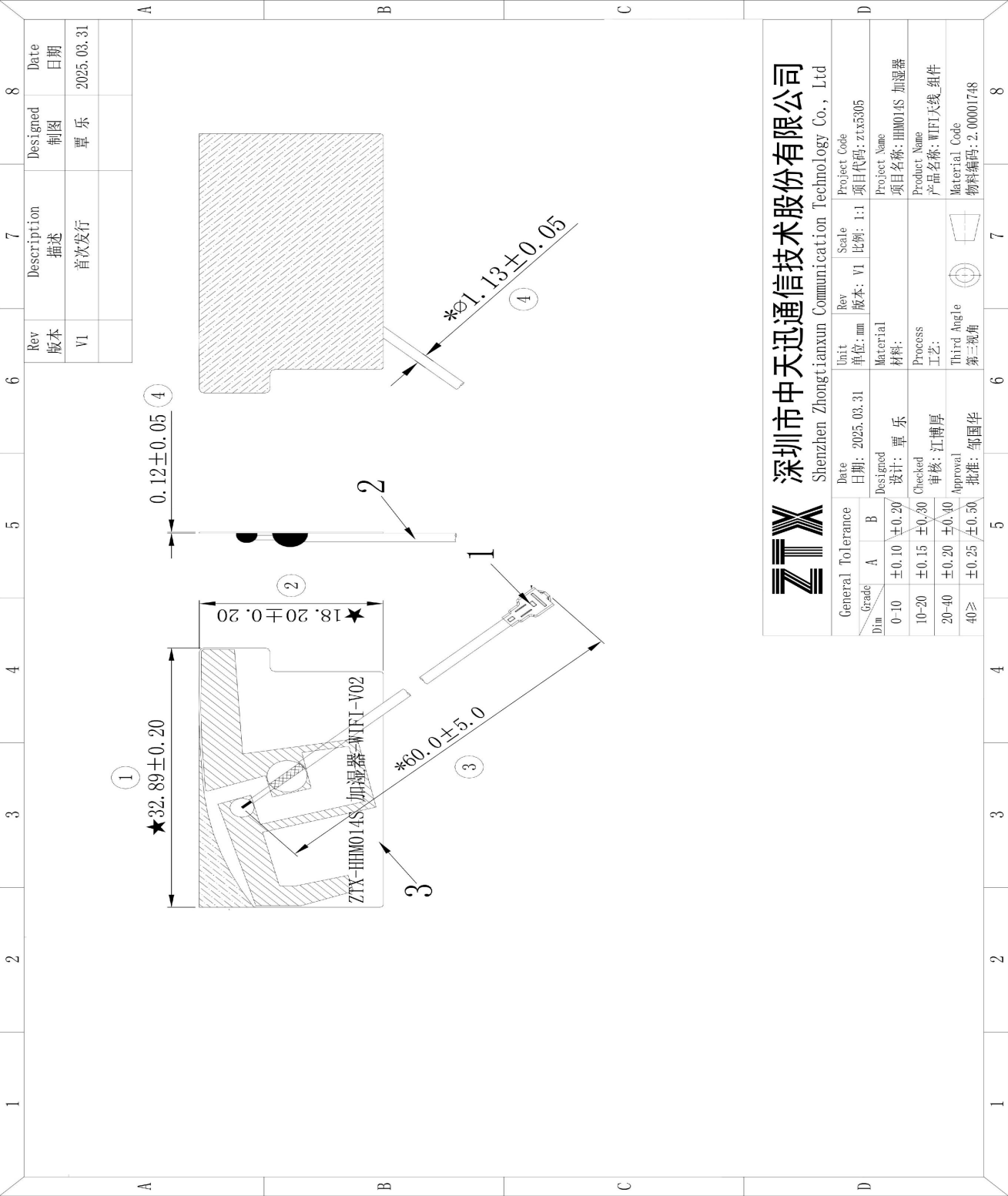
ANTENNA SPECIFICATION

CUS P/N:HHM014S
ZTX P/N :HHM014S

Application Date:Mar,31,2025
Editor:

Rev: R:A0
Page 3 of 7

1. Mechanical Specification
1-1 Mechanical Configuration (WIFI antenna module)



ANTENNA SPECIFICATION

CUS P/N:HHM014S

ZTX P/N :HHM014S

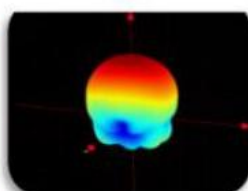
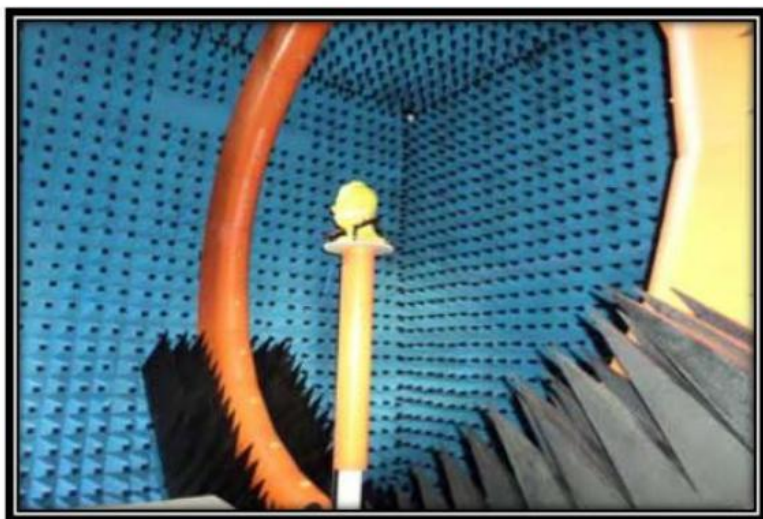
Application Date:Mar,31,2025

Editor:

Rev: R:A0

Page 4 of 7

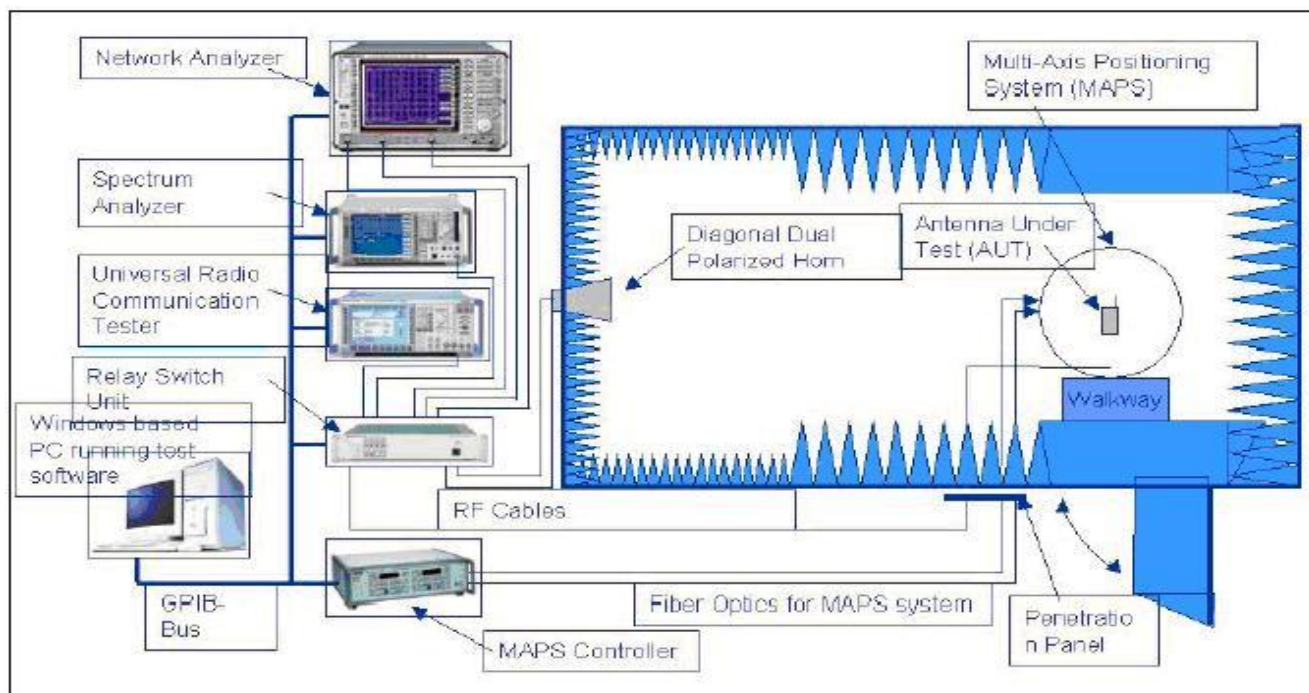
2. Test equipment



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.



ANTENNA SPECIFICATION

CUS P/N:HHM014S
ZTX P/N :HHM014S

Application Date:Mar,31,2025
Editor:

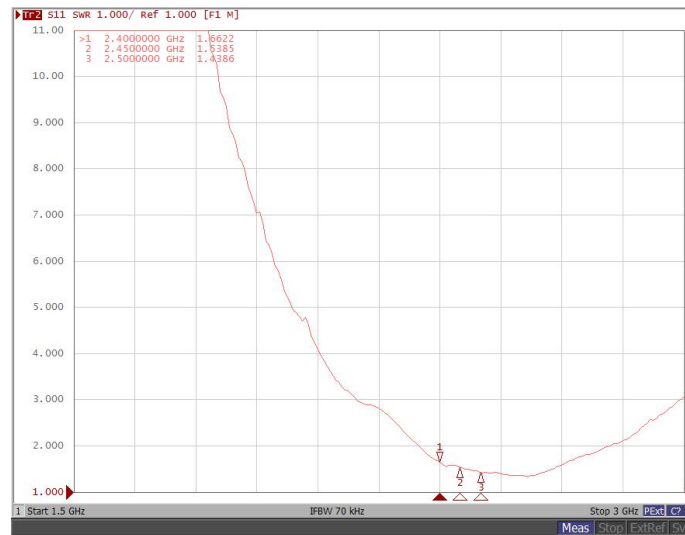
Rev: R:A0
Page 5 of 7

3.Test Results Summary

3-1 Active Test

B			G			N		
Channels	TRP (11M)	TIS (11M)	Channels	TRP (6M)	TIS (54M)	Channels	TRP (MCS0)	TIS (MCS7)
1	16.46	-85.49	1	13.89	-70.23	1	13.76	-64.43
6	16.27	-85.41	6	14.13	-69.55	6	14.07	-63.78
11	16.33	-85.21	11	14.92	-70.15	11	14.6	-64.52

3-2 VSWR



3-3 Passive Test

Frequency	Efficiency	Gain . dB
2400MHz	62%	2.44
2410MHz	63%	2.90
2420MHz	65%	3.03
2430MHz	64%	2.67
2440MHz	65%	2.52
2450MHz	65%	2.58
2460MHz	64%	2.46
2470MHz	65%	2.88
2480MHz	66%	3.13
2490MHz	66%	3.30
2500MHz	67%	2.88

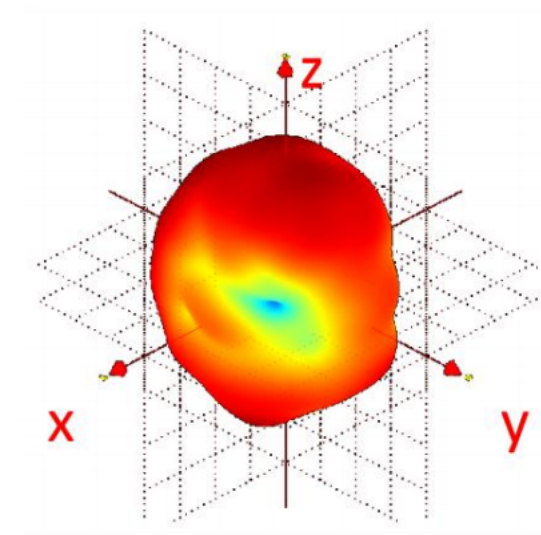
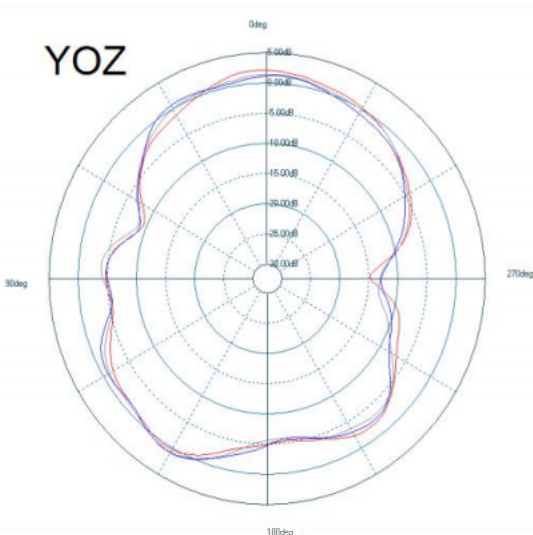
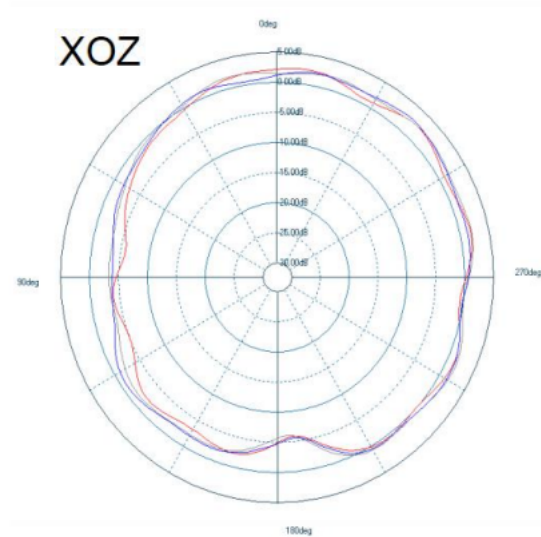
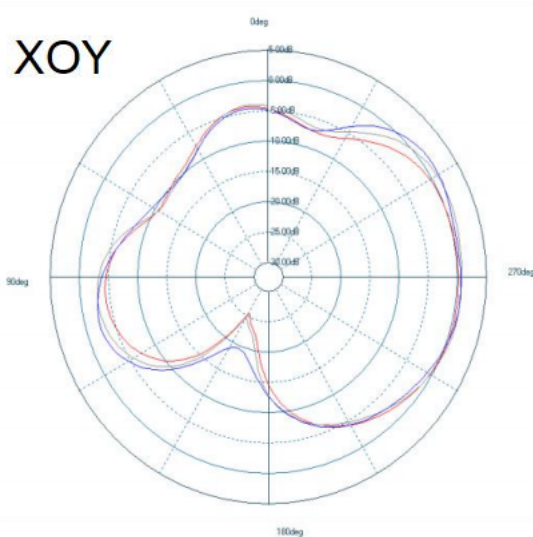
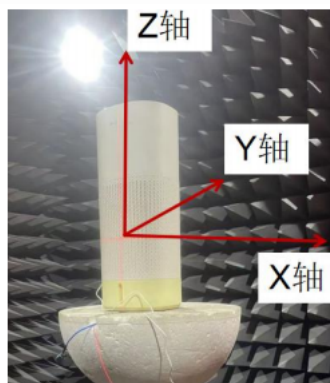
ANTENNA SPECIFICATION

CUS P/N:HHM014S
ZTX P/N :HHM014S

Application Date:Mar,31,2025
Editor:

Rev: R:A0
Page 6 of 7

3-4 2D/3D Radiation Pattern Results



ANTENNA SPECIFICATION

CUS P/N:HHM014s
ZTX P/N :HHM014S

Application Date:Mar,31,2025
Editor:

Rev: R:A0
Page 7 of 7

3-5 Environmental treatment

2400-2500MHz天线位置

