

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER	Hesung Innovation Limited	
	CS P/N		
	TEST MODEL	HAP008	
	PART NAME	WIFI antenna component	
	FREQUENCY	2400~2500MHz	
	ZTX NO.	2.00002144	
	DATE	2025-12-30	

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		Junxiong.Huang		



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

Revision history

Edition	Date	state
A0	2025-12-30	First edition

ANTENNA SPECIFICATION

CUS P/N:HAP008_WIFI antenna component

Application Date:Dec,30,2025

Rev: R:A0

ZTX P/N :HAP008_WIFI antenna component

Editor:

Page 2 of 7

Index

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

ANTENNA SPECIFICATION

Application Date:Dec,30,2025

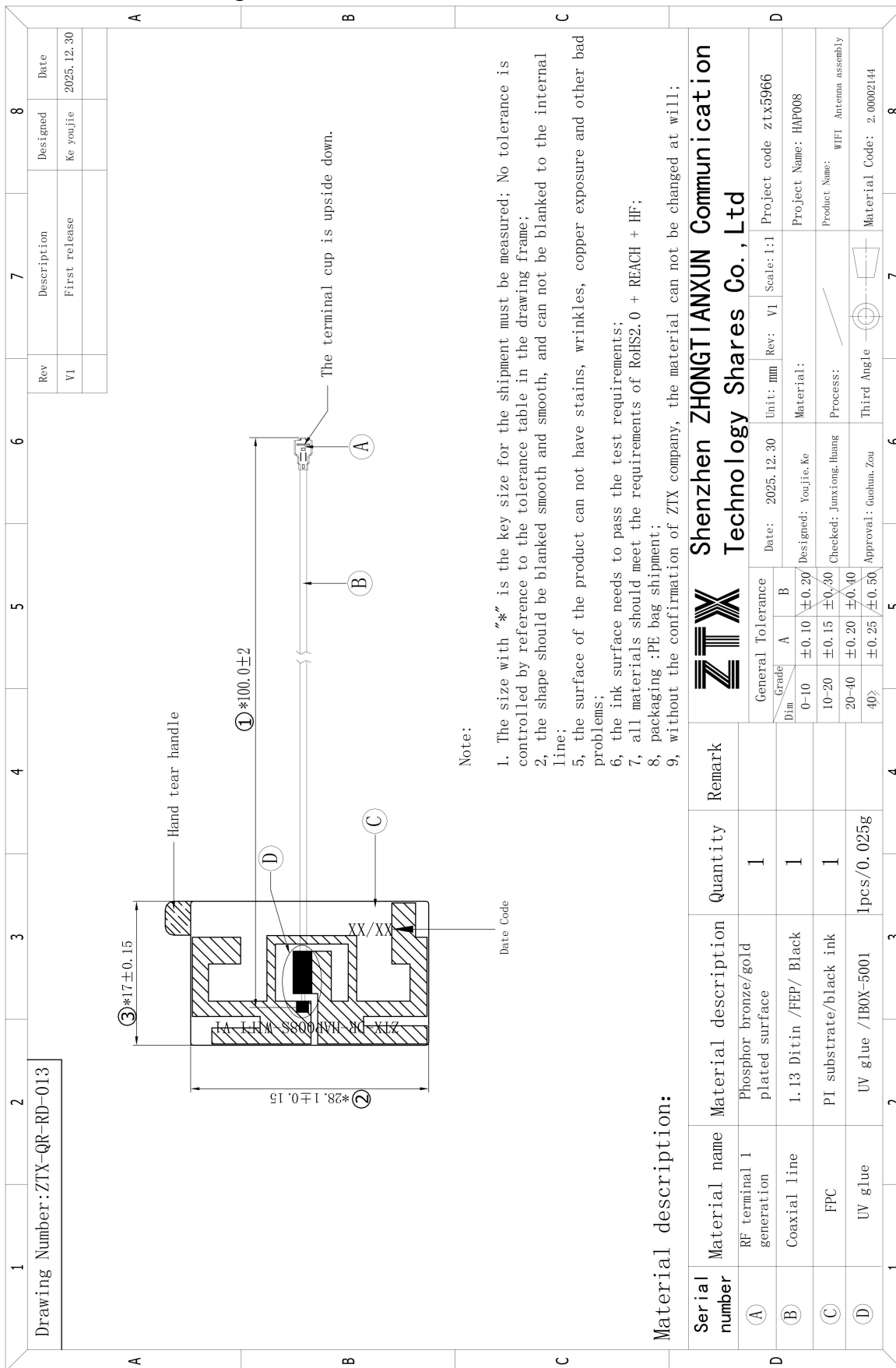
Rev: R:A0

Editor:

Page 3 of 7

1. Mechanical Specification

1-1 Mechanical Configuration (WIFI antenna component)



ANTENNA SPECIFICATION

CUS P/N:HAP008_WIFI antenna component

Application Date:Dec,30,2025

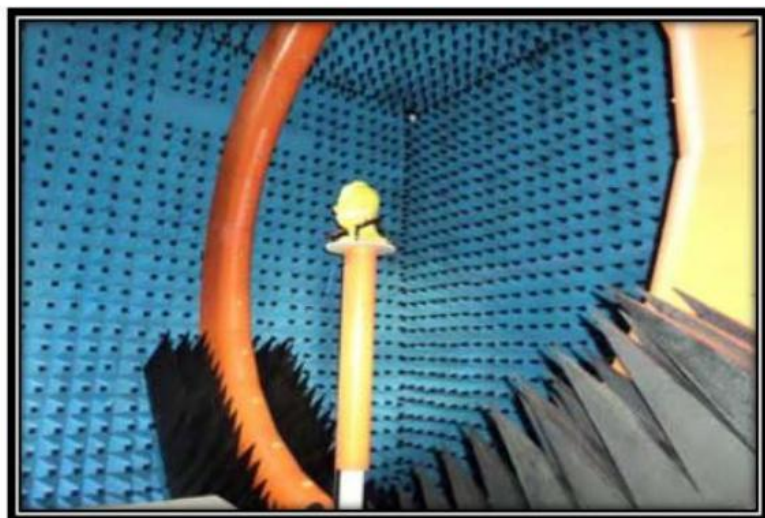
Rev: R:A0

ZTX P/N :HAP008_WIFI antenna component

Editor:

Page 4 of 7

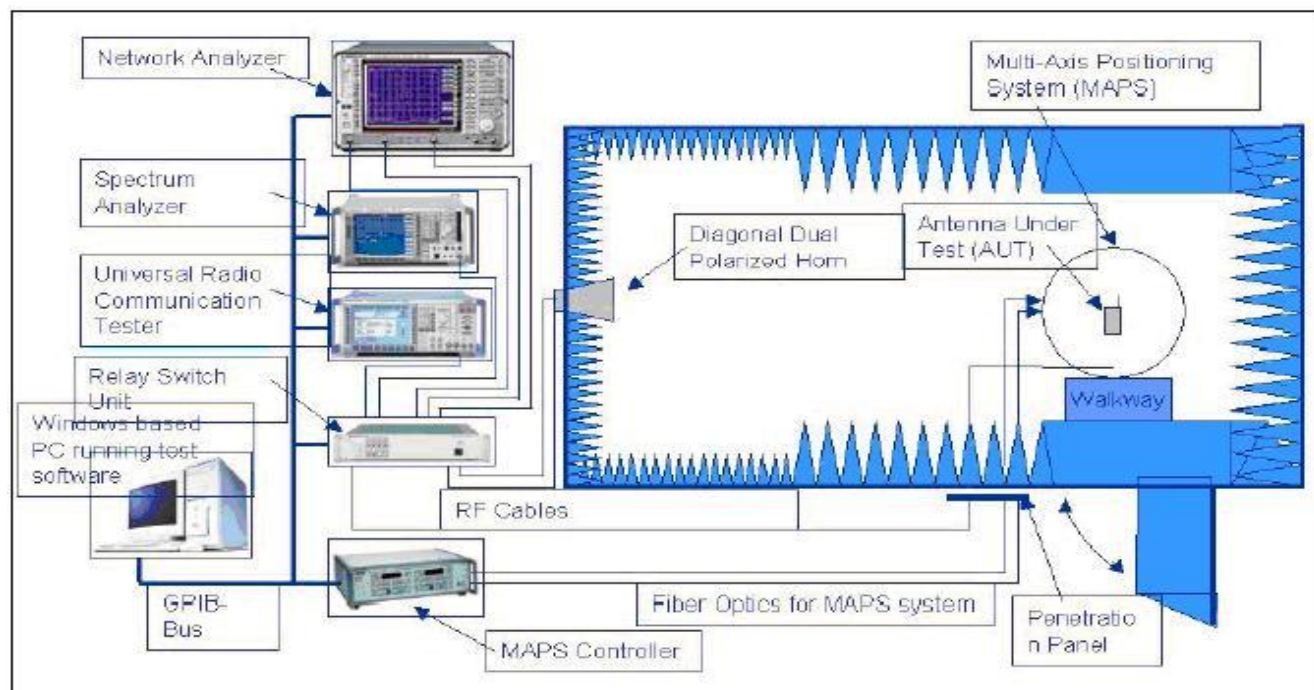
2. Test equipment



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/CDMA/TD-SCDMA/LTE/WIFI/WLAN/WiMax/BT/GPS/MIMO/UWB within 0.4-6G.



ANTENNA SPECIFICATION

CUS P/N:HAP008_WIFI antenna component

Application Date:Dec,30,2025

Rev: R:A0

ZTX P/N :HAP008_WIFI antenna component

Editor:

Page 5 of 7

3.Test Results Summary

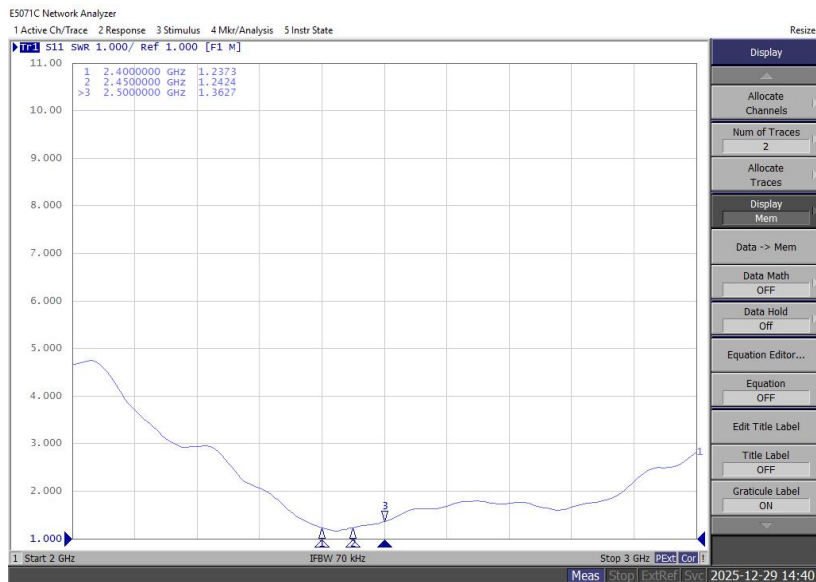
3-1 Active Test

11b	TRP (11M)	TIS (11M)
1	15.93	-83.53
6	16.62	-83.22
11	16.58	-81.69

11g	TRP (6M)	TIS (54M)
1	13.22	-68.67
6	12.59	-68.55
11	13.54	-66.24

11g/n	TRP (6.5M)	TIS (65M)
1	12.73	-63.24
6	11.67	-62.69
11	12.53	-61.28

3-2 VSWR



3-3 Passive Test

Frequency	Efficiency	Efficiency . dB	Gain . dB
2400000000	61%	-2.13	3.10
2410000000	60%	-2.22	3.18
2420000000	62%	-2.05	3.19
2430000000	64%	-1.95	3.36
2440000000	64%	-1.97	3.43
2450000000	65%	-1.88	3.67
2460000000	64%	-1.93	3.47
2470000000	64%	-1.97	3.54
2480000000	64%	-1.94	3.40
2490000000	62%	-2.06	3.30
2500000000	60%	-2.23	3.10

ANTENNA SPECIFICATION

CUS P/N:HAP008_WIFI antenna component

Application Date:Dec,30,2025

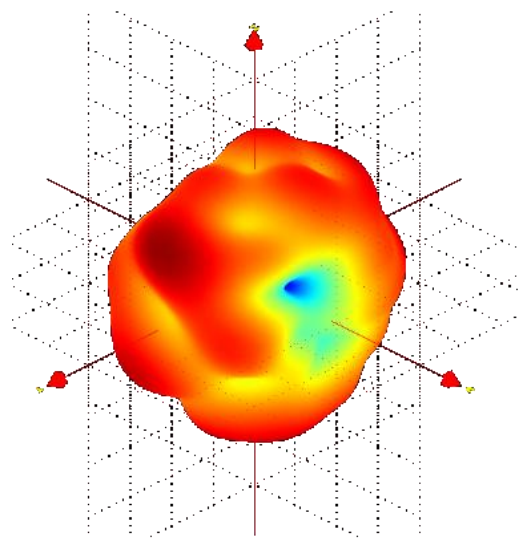
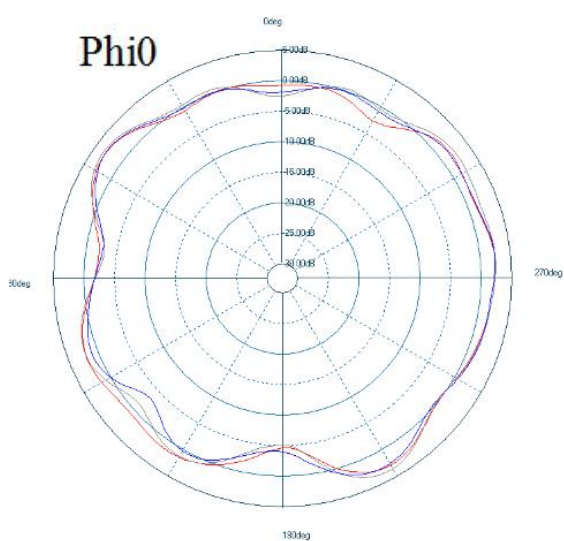
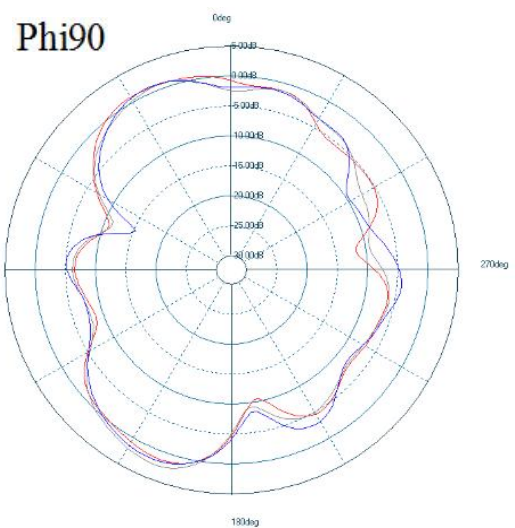
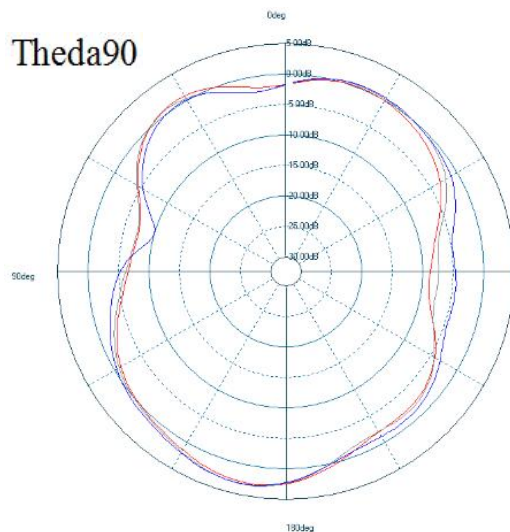
Rev: R:A0

ZTX P/N :HAP008_WIFI antenna component

Editor:

Page 6 of 7

3-4 2D/3D Radiation Pattern Results



ANTENNA SPECIFICATION

CUS P/N:HAP008_WIFI antenna component

Application Date:Dec,30,2025

Rev: R:A0

ZTX P/N :HAP008_WIFI antenna component

Editor:

Page 7 of 7

3-5 Environmental treatment

