

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	



Shenzhen ZTX Communication Technology Co., Ltd

Address: No.34, Shilong Avenue, Shiyao 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	2024-03-01	First edition

ANTENNA SPECIFICATION

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

Application Date:Mar,01,2024

Rev: R:A0

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

Editor:

Page 2 of 9

Index

		Revision history	1
		Index	2
1		Mechanical Specification	3
	1-1	Mechanical Specification(WIFI Antenna)	3
2		Test equipment	4
2		Test equipment	4
3		Test Results Surmmmary	5
	3-1	Active Test	5
	3-2	VSWR	5
	3-3	No-source test data	6
	3-4	2D/3D Radiation Pattern Results	7~8
	3-5	Environmental treatment	9

Rev: R:A0
Page 3 of 9

1-1 Mechanical Configuration (WIFI Antenna)



ANTENNA SPECIFICATION

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

Application Date:Mar,01,2024

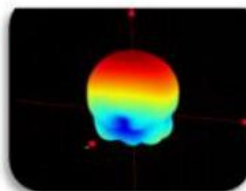
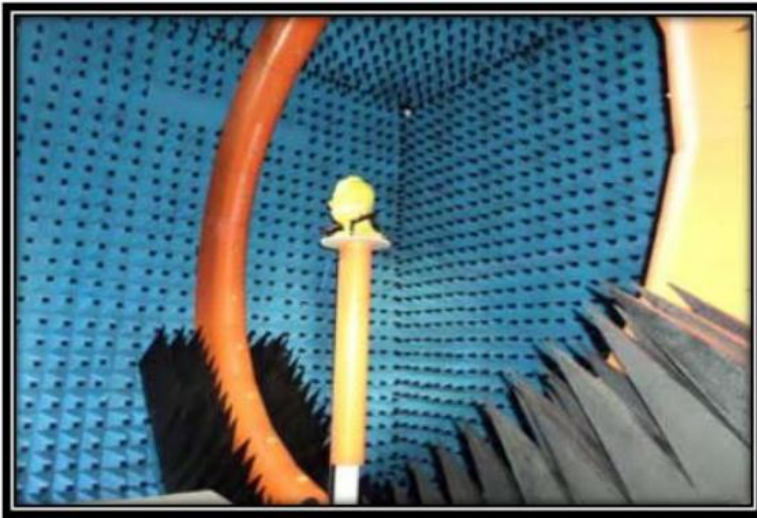
Rev: R:A0

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

Editor:

Page 4 of 9

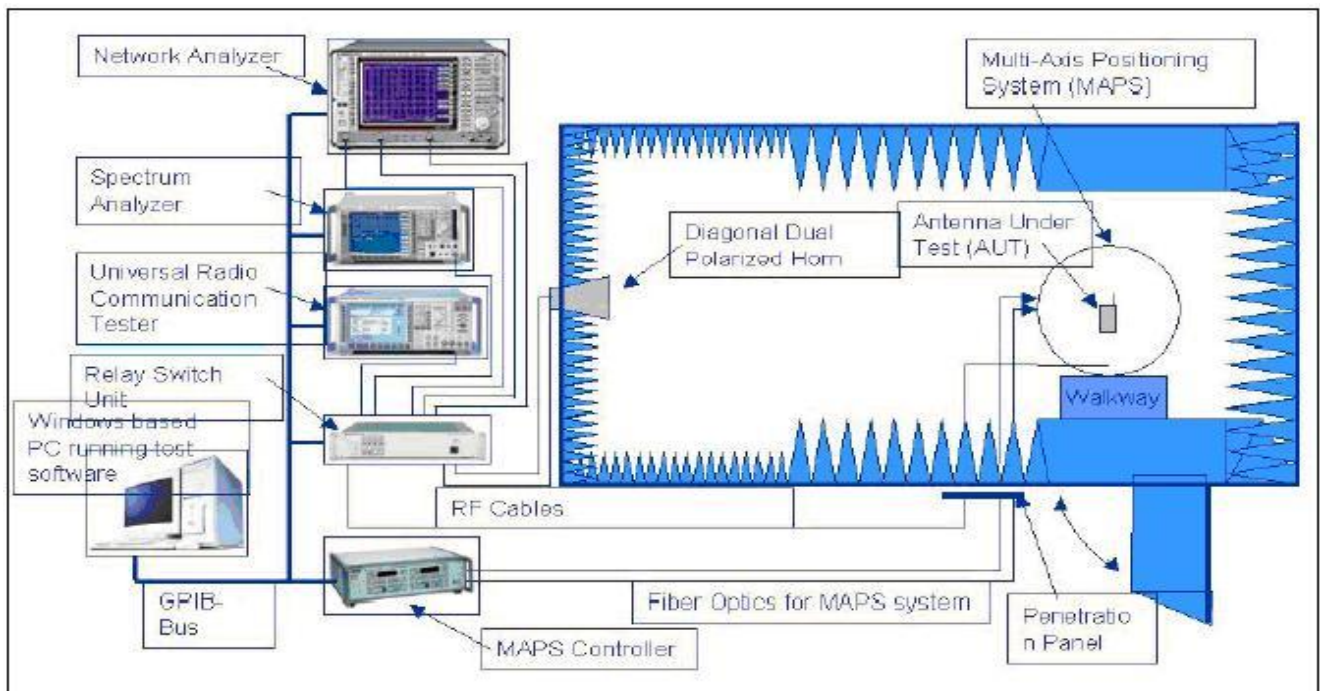
2. Test equipment



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 :HS-FPC001-50A_WIFI Antenna

Application Date:Mar,01,2024

Rev: R:A0

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

Editor:

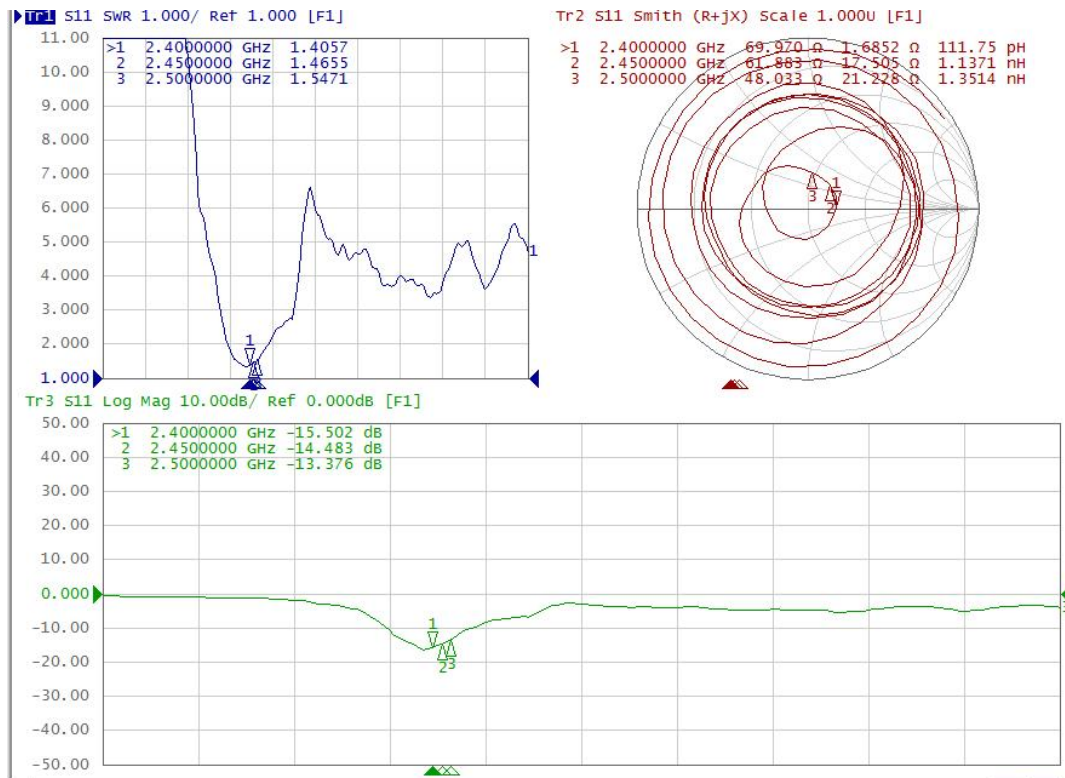
Page 5 of 9

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



ANTENNA SPECIFICATION

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

Application Date:Mar,01,2024

Rev: R:A0

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

Editor:

Page 6 of 9

3-3 No-source test data

Frequency	Efficiency	Efficiencyv. dB	Gain. dB
2400MHz	61%	-2.15	1.72
2410MHz	62%	-2.08	1.75
2420MHz	60%	-2.22	1.68
2430MHz	61%	-2.15	1.58
2440MHz	62%	-2.08	1.78
2450MHz	61%	-2.15	1.67
2460MHz	59%	-2.29	1.90
2470MHz	61%	-2.15	1.62
2480MHz	58%	-2.37	1.59
2490MHz	60%	-2.22	1.63
2500MHz	61%	-2.15	1.55

ANTENNA SPECIFICATION

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

Application Date:Mar,01,2024

Rev: R:A0

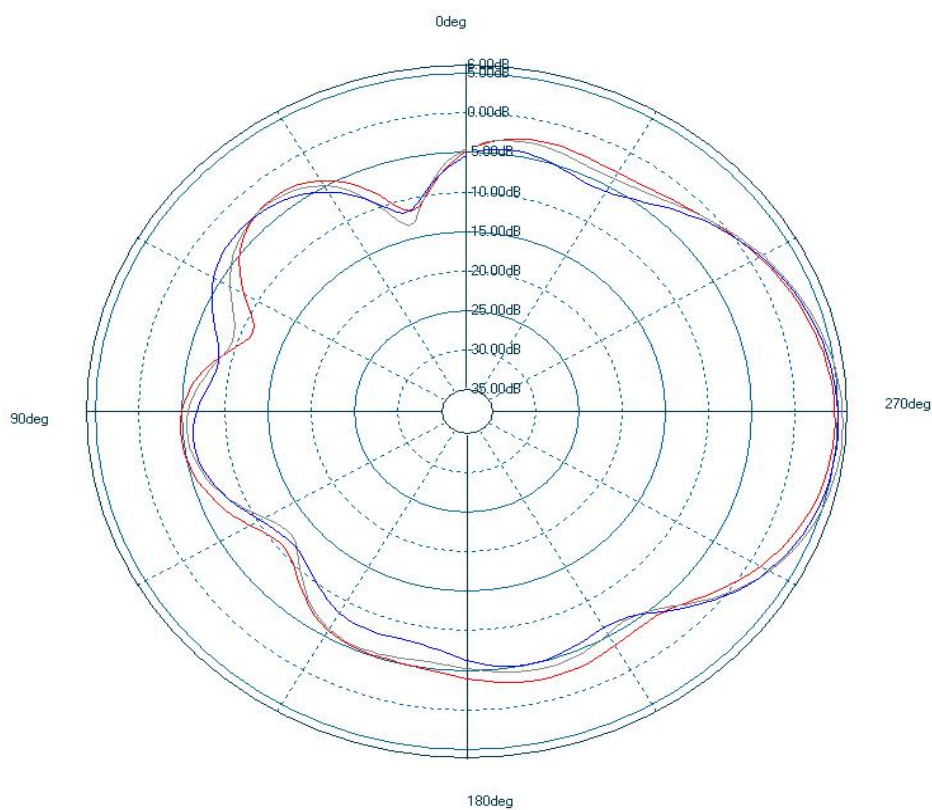
ZTX P/N :HS-FPC001-50A_WIFI Antenna

Editor:

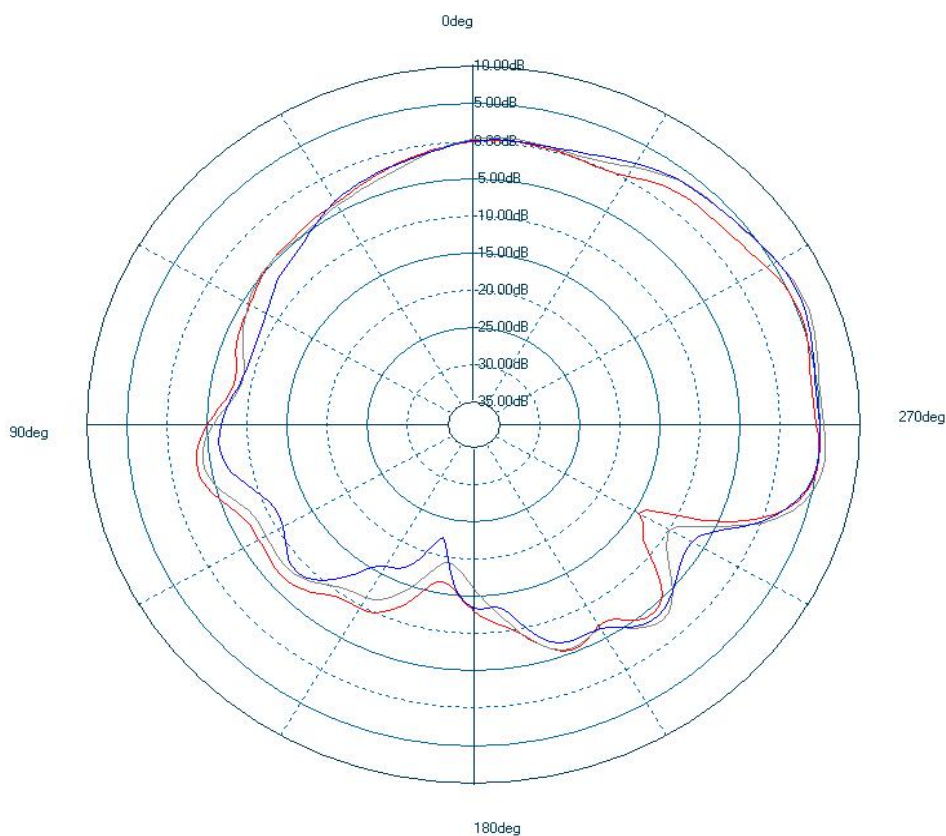
Page 7 of 9

3-4 2D/3D Radiation Pattern Results

xoy



xoz



ANTENNA SPECIFICATION

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

Application Date:Mar,01,2024

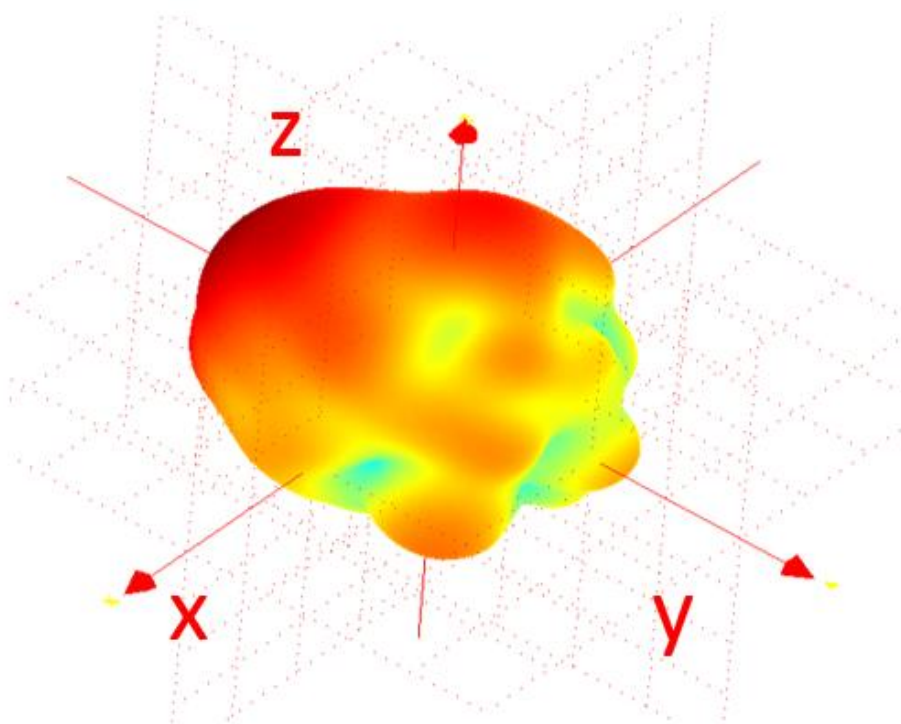
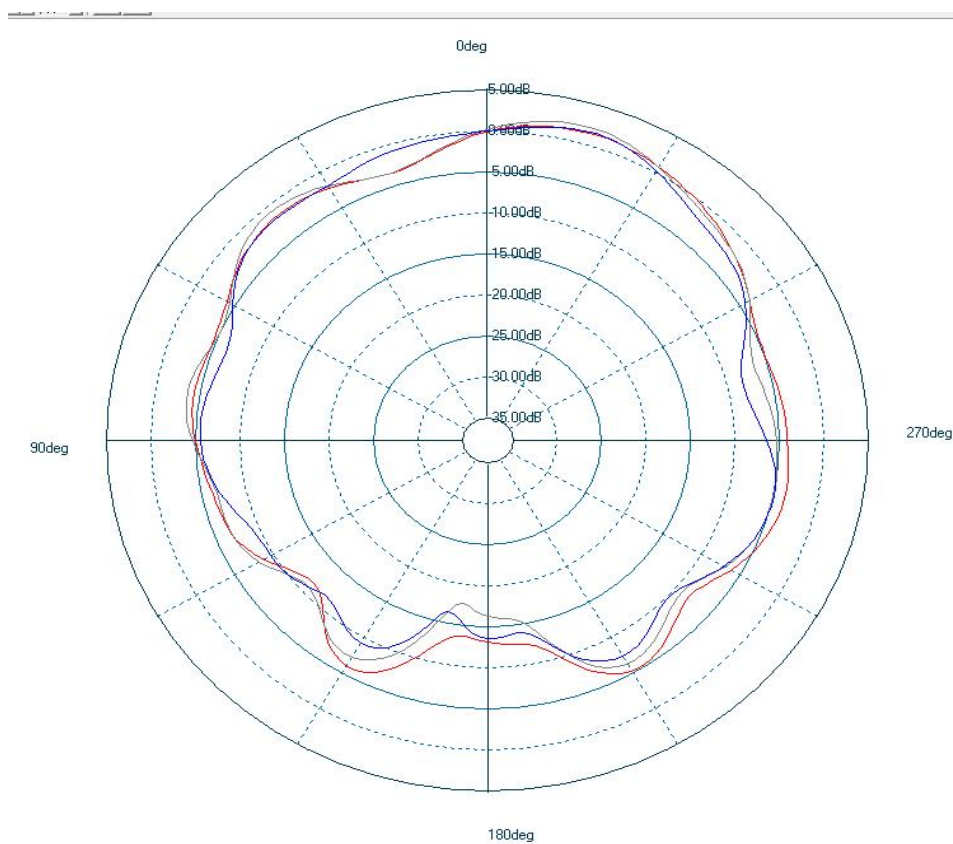
Rev: R:A0

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

Editor:

Page 8 of 9

yoz



ANTENNA SPECIFICATION

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

Application Date:Mar,01,2024

Rev: R:A0

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

Editor:

Page 9 of 9

3-5 Environmental treatment

