

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A1)

	CUSTOMER(客户名称)	北京可以	
	CS P/N(客户机种)	brain	TB01
	PART NAME(品名)	WIFI Antenna	
	FREQUENCY(频率)	2400~2500MHz+5150~5850MHz	
	ZTX NO.(物料编号)	K.00000013	
	DATE(日期)	2022-09-29	

CUSTOMER			
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

Remark(备注):

Sign(客户确认签字盖章):

MANAGER CHECKED	MANAGER CHECKED	ME CHECKED	RF CHECKED	LISTER
		NINGPING LAI	JIANENG FENG	



深圳市中天迅通信科技股份有限公司

SHENZHEN ZHONGTIAN XUN Communication Technology Co.,Ltd.

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ANTENNA SPECIFICATION

CUS P/N :brain WIFI Antenna
ZTX P/N :brain WIFI Antenna

ApplicationDate:SEP,29,2022
Editor:

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Page 1 of 8

Revision history

Edition	date	state
A1	2022-09-29	The first edition



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Page 2 of 8

Index

		Revision history	1
		Index	2
1		Mechanical Specification	3
	1-1	Mechanical Specification	3
2		Test equipment	4
3		Test Results Surmmary	5
	3-1	Active Test	5
	3-2	VSWR	5
	3-3	Passive Test	6
	3-4	2D/3D Radiation Pattern Results	6~8
	3-5	Environment treatment	8



ANTENNA SPECIFICATION

CUS P/N :brain BT天线组件

ApplicationDate:SEP,06,2022

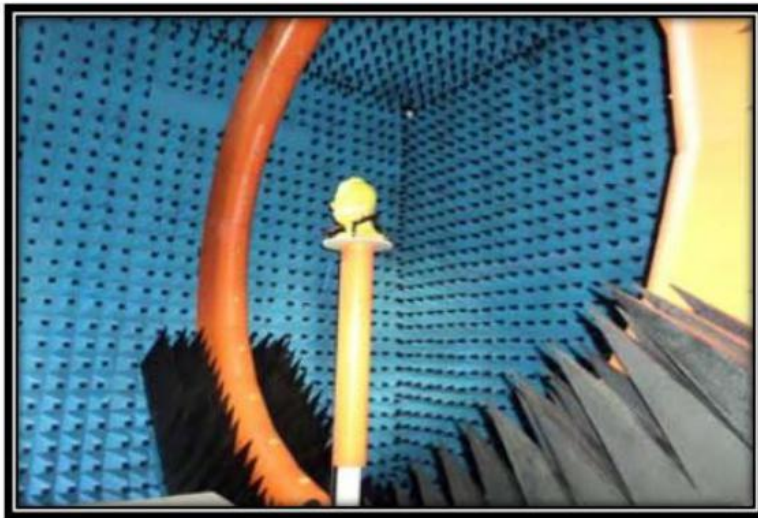
Rev: R:A1

ZTX P/N :brain BT天线组件

Editor:

Page 4 of 8

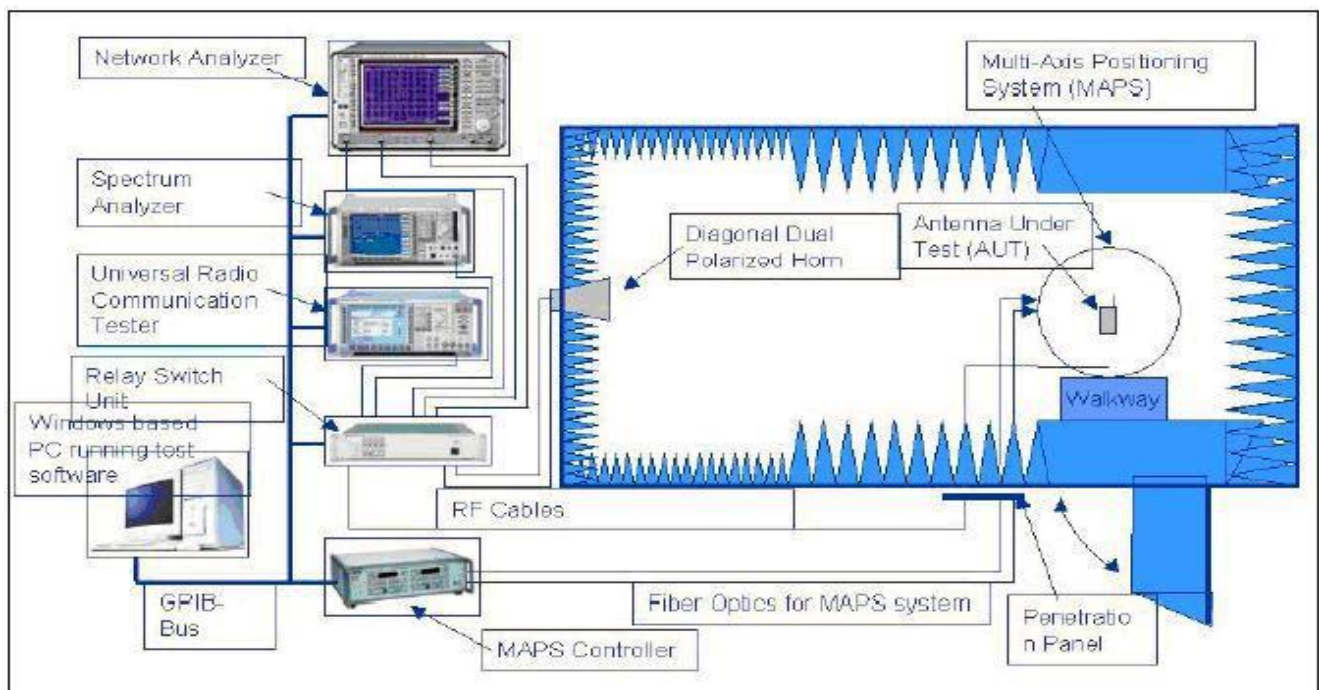
2.Test equipment



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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Editor:

Rev: R:A1
Page 5 of 8

3.Test Results Summary

3-1 Active Test

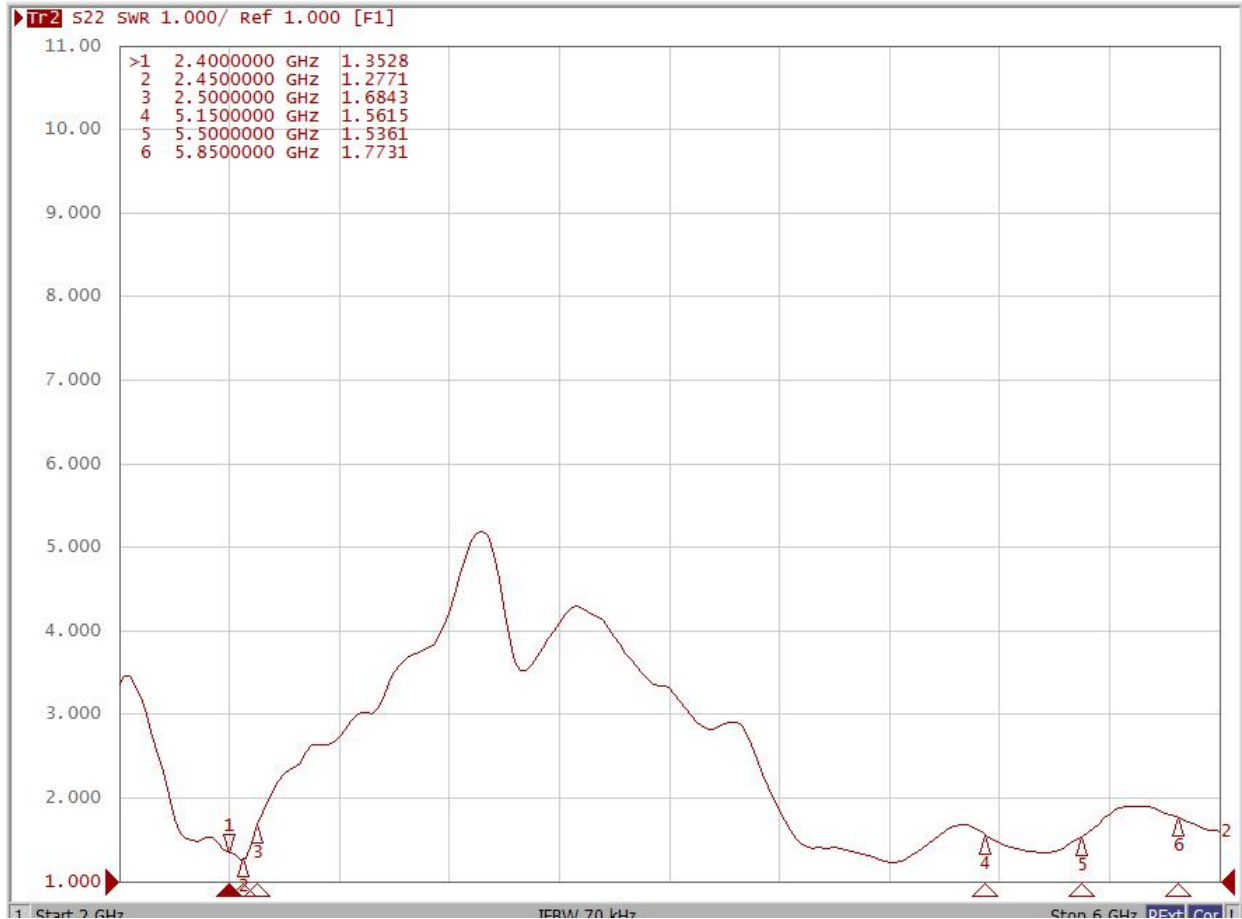
2. 4G

WIFI B	
1	15.64/-81.04
7	14.24/-79.83
13	14.56/-79.69
WIFI G	
1	16.93/-68.42
7	14.95/-66.66
13	14.56/-79.69
WIFI N	
1	16.44/-65.61
7	15.43/-64.67
13	14.53/-65.54

5G

WIFI A	
44	10.44/-71.68
149	11.66/-72.01
161	10.64/-71.08

3-2 VSWR



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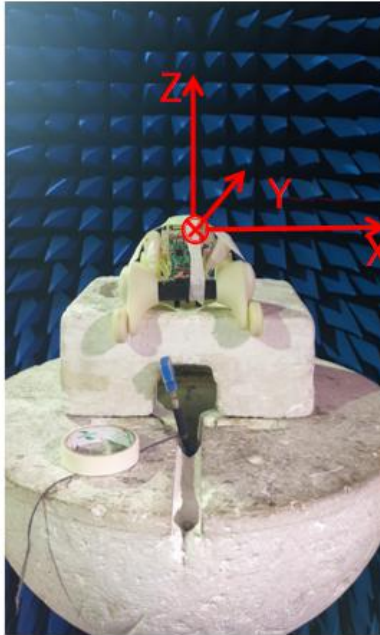
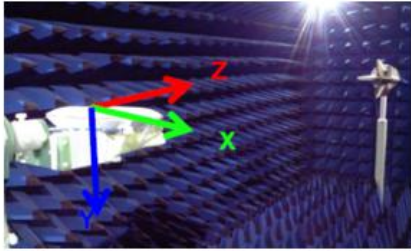
ApplicationDate:SEP,06,2022
Editor:

Rev: R:A1
Page 6 of 8

3-3 Passive Test

Frequency (MHz)	2400	2450	2500	5150	5500	5850
Efficiency (%)	60%	60%	58%	50%	50%	50%
Gain (dBi)	2.17	2.25	2.33	4.15	4.28	4.33

3-4 2D/3D Radiation Pattern Results



Measurement orientation



Antenna location

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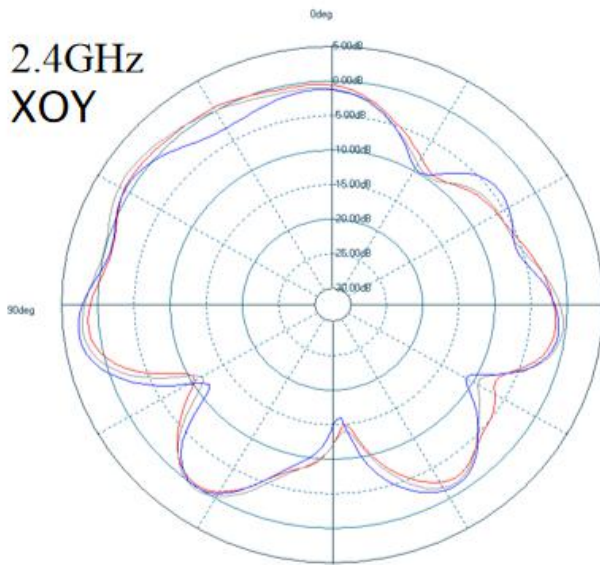
Rev: R:A1

ZTX P/N :brain BT天线组件

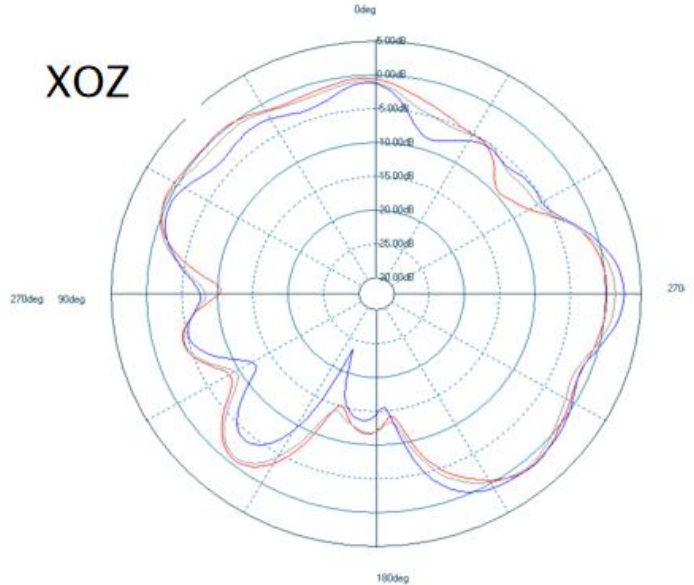
Editor:

Page 7 of 8

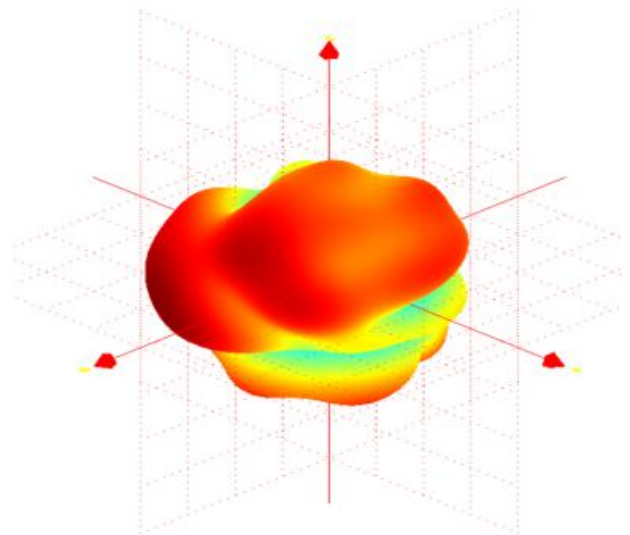
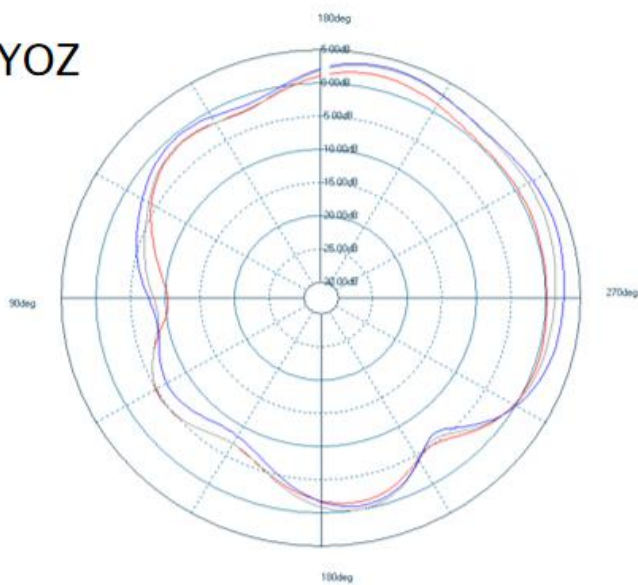
2.4GHz
XOY



XOZ



YOZ

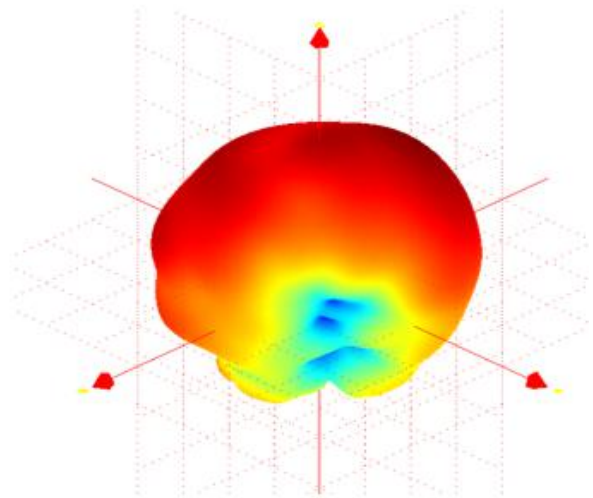
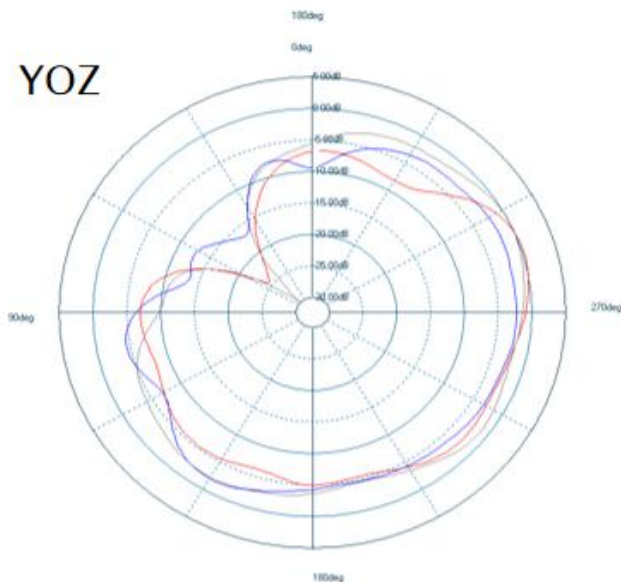
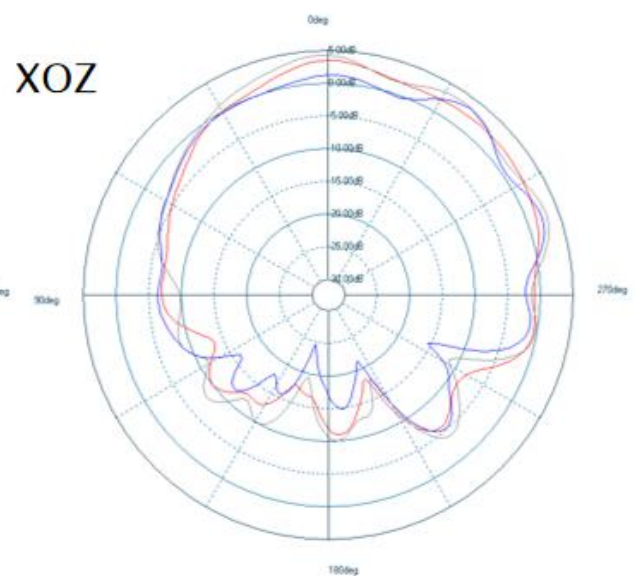
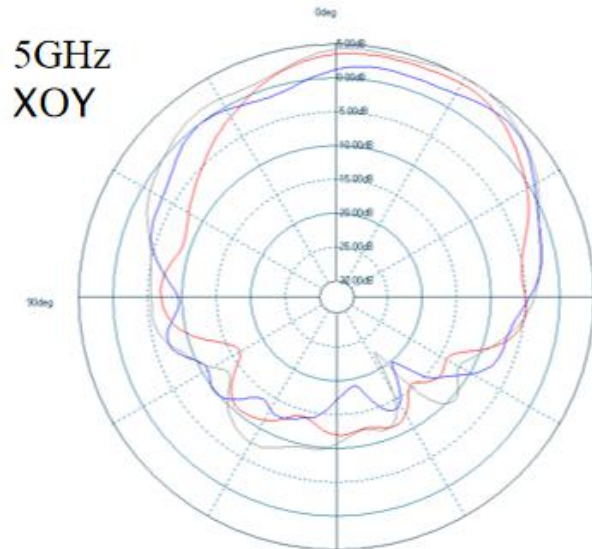


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Page 8 of 8



3-5 Environment treatment

Antenna sticking
position

