

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

CUSTOMER	Anker
CS P/N	T8417A
PART NAME	PIFA Antenna
FREQUENCY	2400~2500MHz
CUS NO.	
ZTX NO.	1.01.00689
DATE	2024/5/24

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
		Le. Qin	Wanze. Zhang	



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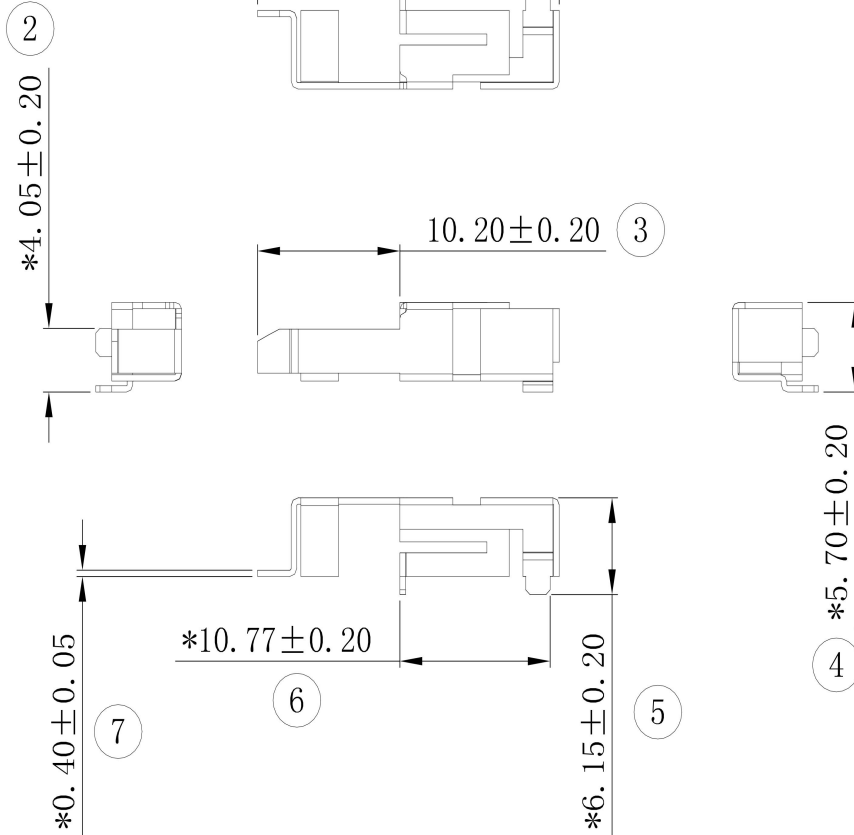
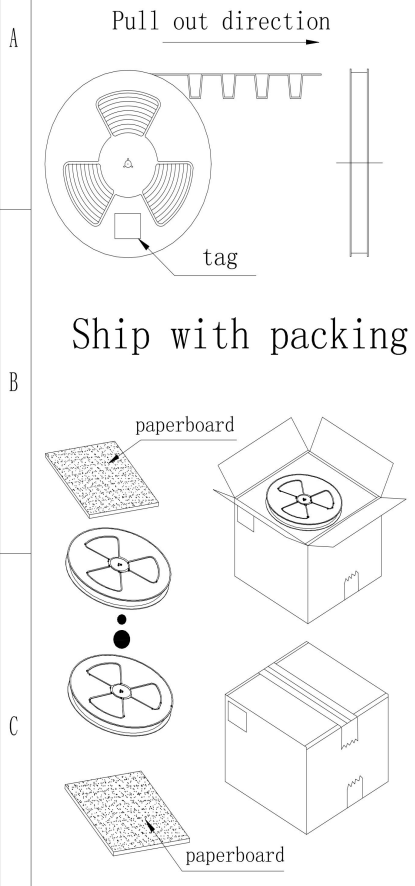
Revision history

Edition	Date	state
A0	2024/5/24	First edition

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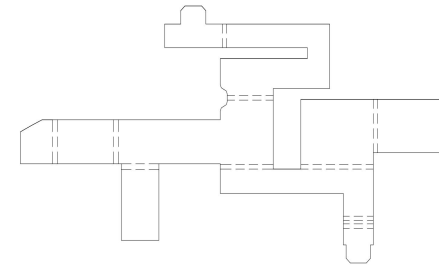
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Drawing number :ZTX-QR-RD-013



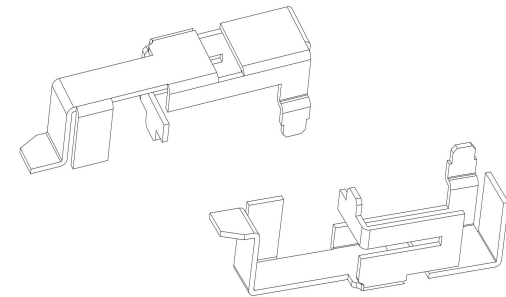
Rev	Description	Designed	Date
A1	Initial mass production	Le Qin	2024.06.14

1:1 expansion diagram



Dashed lines are bent lines

1:1 product drawing



Technical requirements:

1. Angle size mold design according to the drawing size for reference, sample and mass production can be matched;
2. Hit "*" for strict control size (IQC required grade A);
3. Material description: SUS304 thickness 0.4mm/ surface nickel plating;
4. The product can not have oil, burr, edge, lack of material, deformation, impression too deep and other bad;
5. Need to pass 48-hour salt spray test;
6. Carrier packaging, product packaging needs to ensure that the direction is unified, and the product can not be squeezed during transportation;
7. Products should meet the environmental requirements of ROHS2.0/Reach;
8. Materials cannot be changed without the confirmation of ZTX.

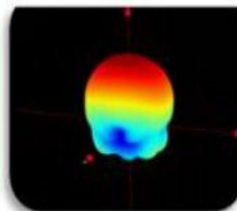
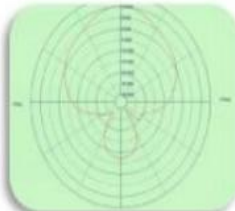
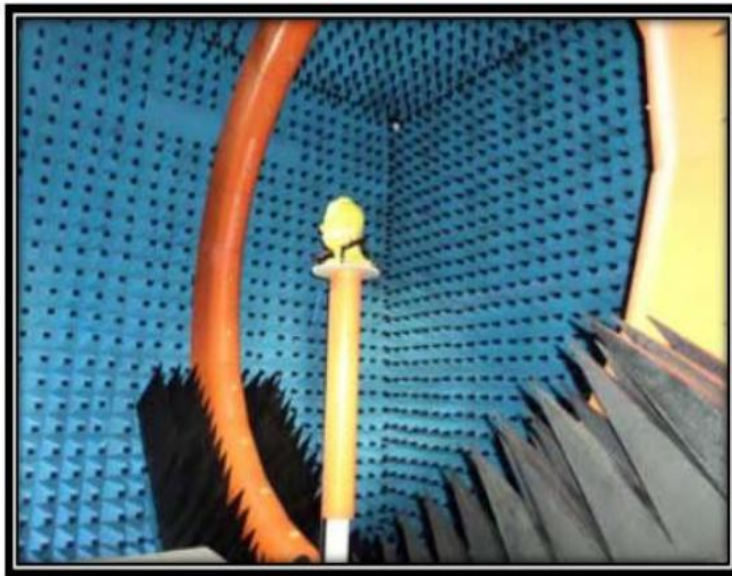


深圳市中天迅通信技术有限公司

Shenzhen ZTX Communication Technology Co., Ltd

General Tolerance			Date 日期: 2024.06.14	Unit 单位: mm	Rev 版本: A1	Scale 比例: 1:1	Project Code 项目代码: ztx4277
Grade	A	B	Designed 设计: Le Qin	Material 材料:			Project Name 项目名称: T8417A
Dim	5-10	±0.10 ±0.20					
10-20	±0.15	±0.30	Checked 审核: Wanze. Zhang	Process 工艺:			Product Name 产品名称: WIFI antenna_Shrapnel
20-40	±0.20	±0.40					
40≥	±0.25	±0.50	Approval 批准: Guohua. Zou	Third Angle 第三视角			Material Code 物料编码: 1.01.00689

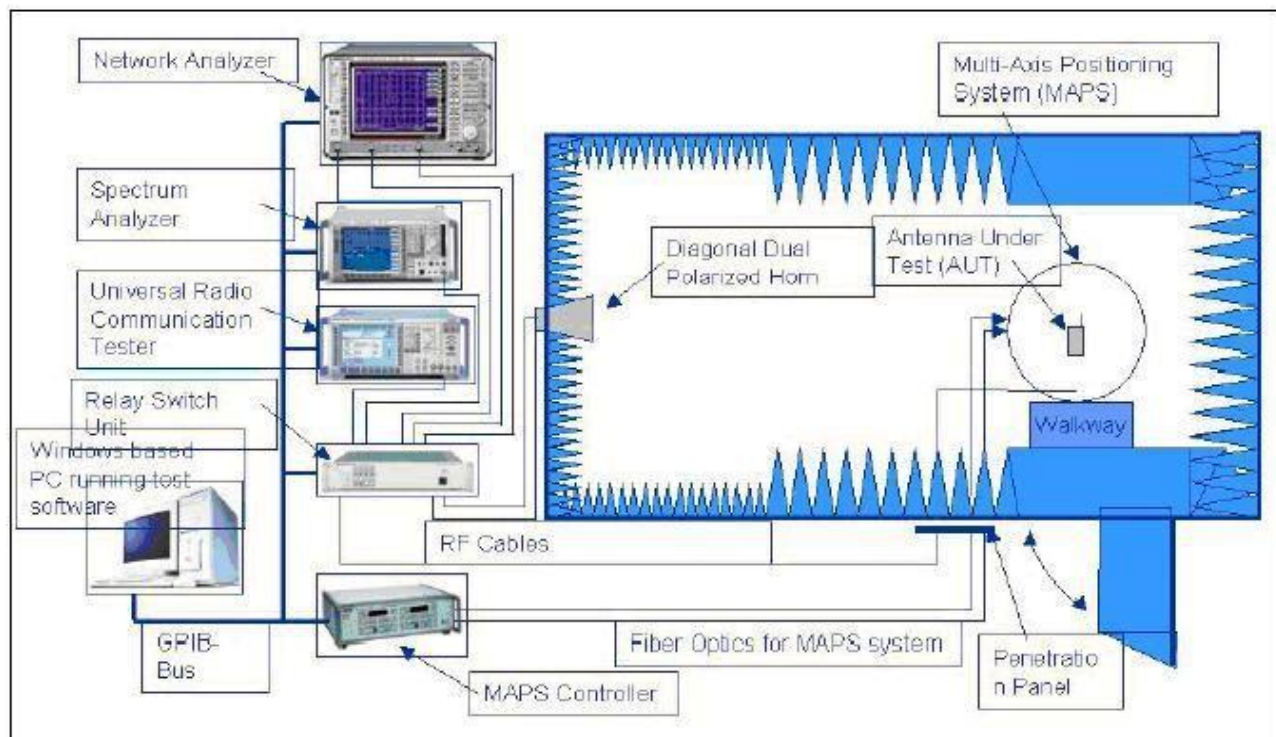
2. Test equipment



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.

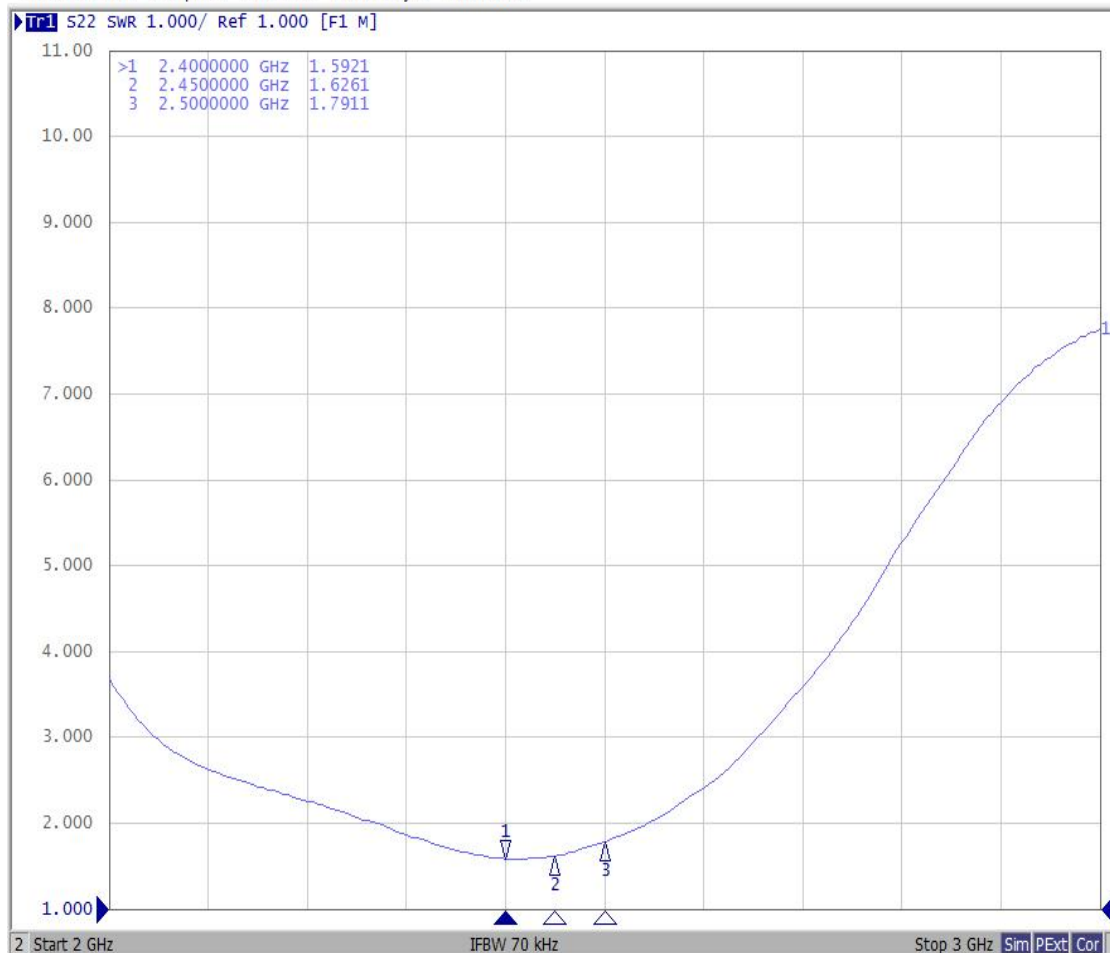


3. Test Results Summary

3-1 VSWR

E5071C Network Analyzer

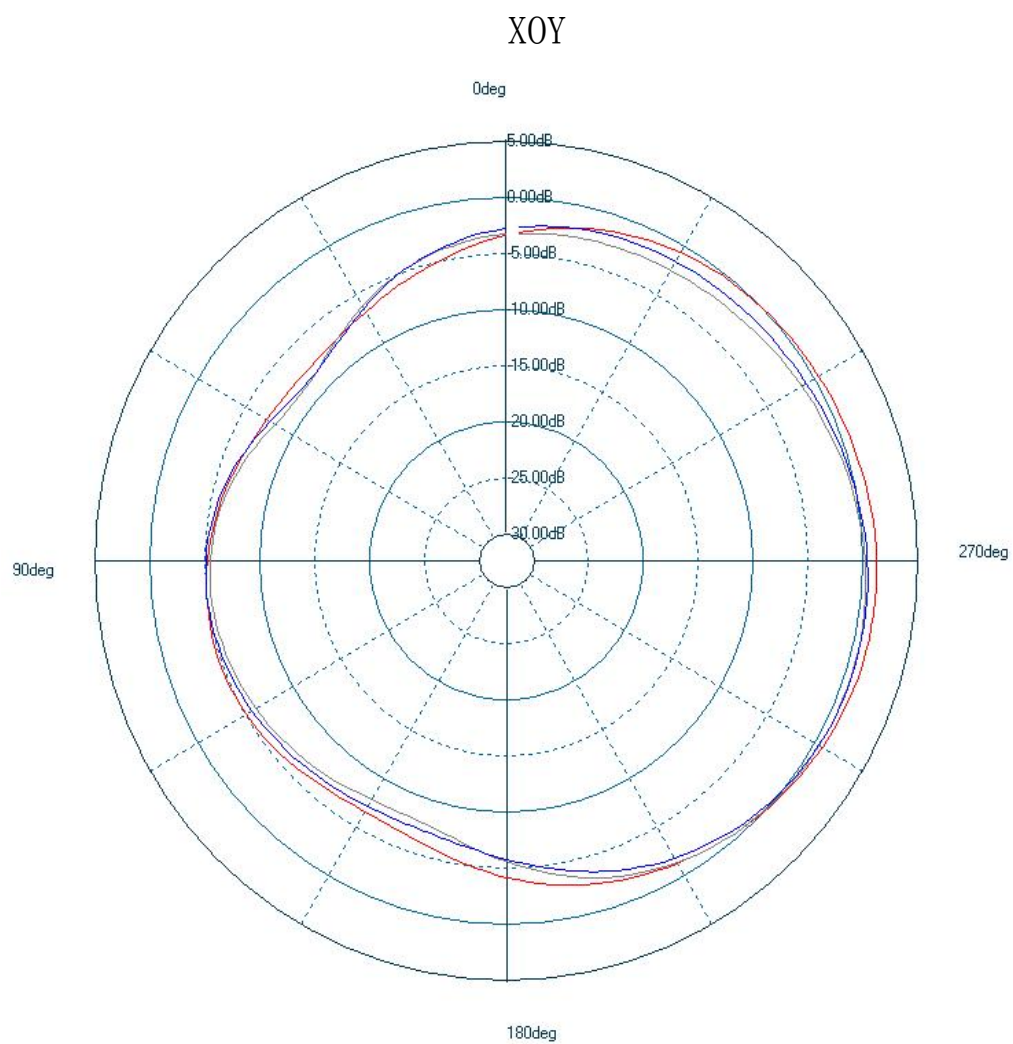
1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

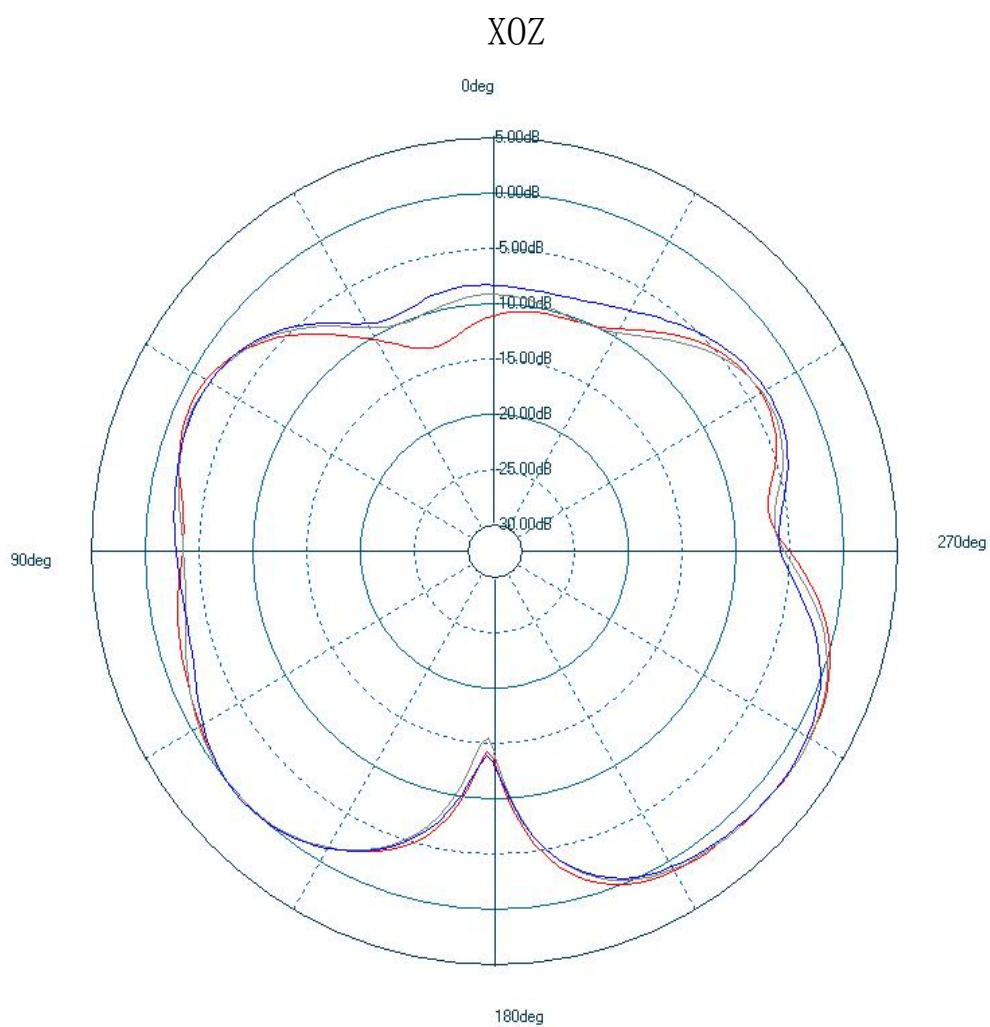


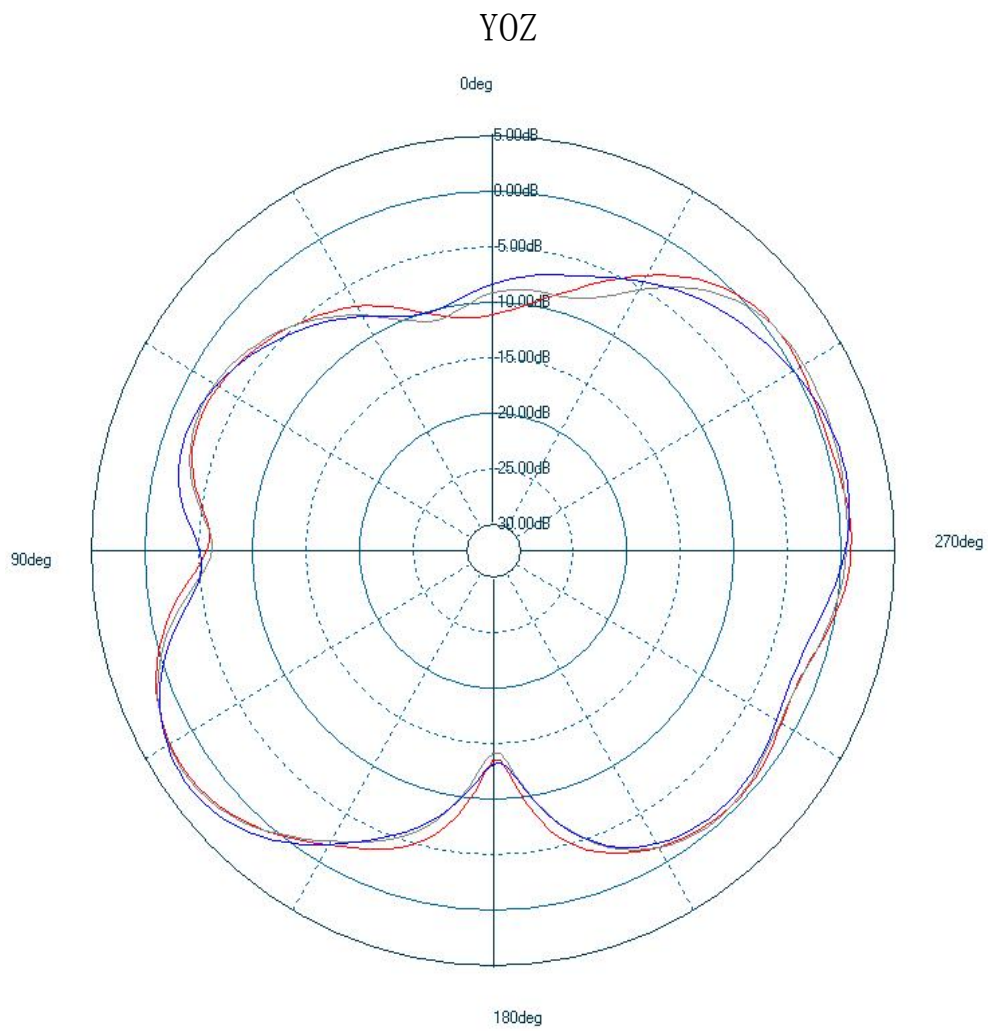
3-2 Passive Test

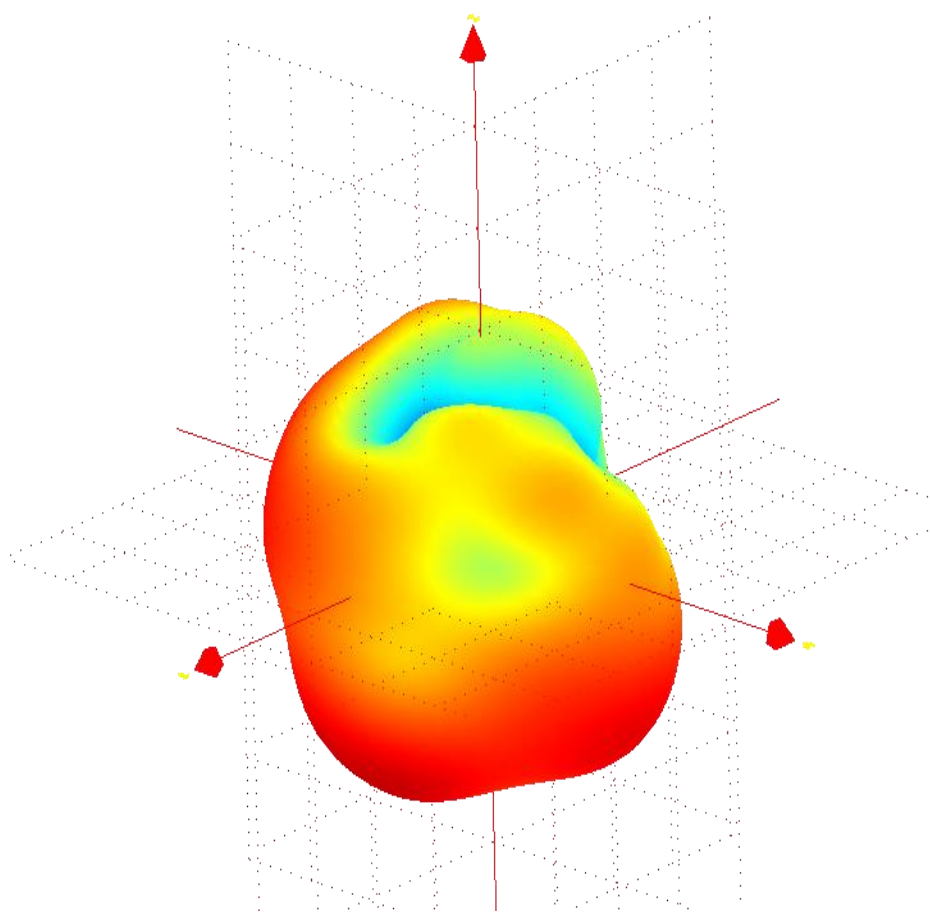
Frequency (MHz)	Efficiency	Efficiency.dBi	Gain . dBi
2400	63%	-2.03	2.44
2410	63%	-2.04	2.59
2420	64%	-1.95	2.57
2430	64%	-1.92	2.56
2440	65%	-1.87	2.63
2450	65%	-1.85	2.87
2460	64%	-1.94	2.75
2470	63%	-1.98	2.77
2480	63%	-2.02	2.76
2490	63%	-2.02	2.62
2500	62%	-2.09	2.74

3-3 2D/3D Radiation Pattern Results









3-4 Environment treatment