

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

CUSTOMER	Hesung Innovation Limited
CS P/N	DR-HTF010S
PART NAME	WIFI Antenna
FREQUENCY	2400~2500MHz
ZTX NO.	2.00006417
DATE	2023-11-09

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
		Qin Le	Feng Jianeng	

 **中天迅**

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ANTENNA SPECIFICATION

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Revision history

Edition	Date	state
A0	2023-11-09	First edition

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ANTENNA SPECIFICATION

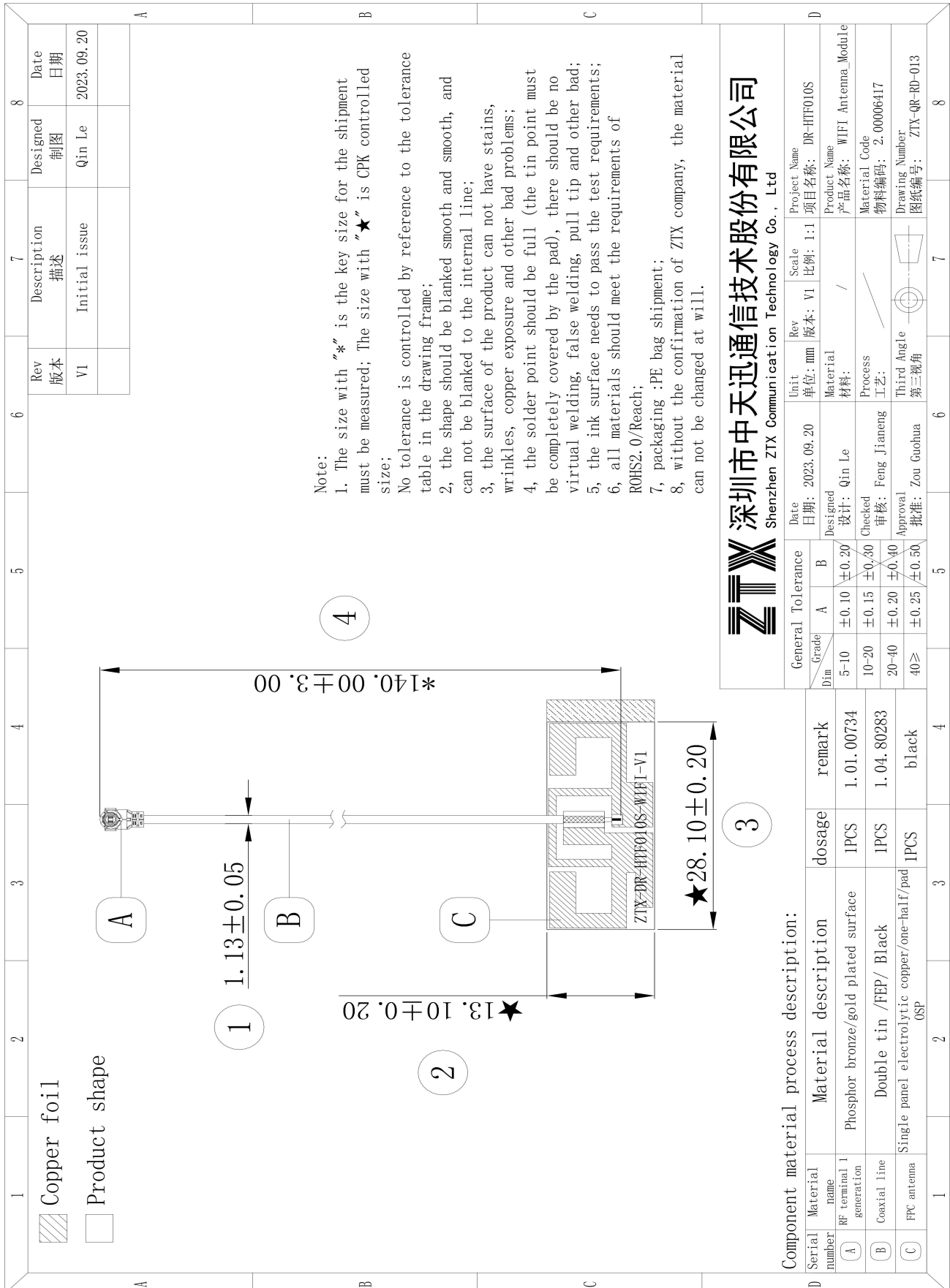
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1. Mechanical Specification

1-1 Mechanical Configuration (WIFI Antenna)



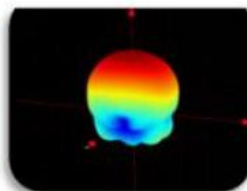
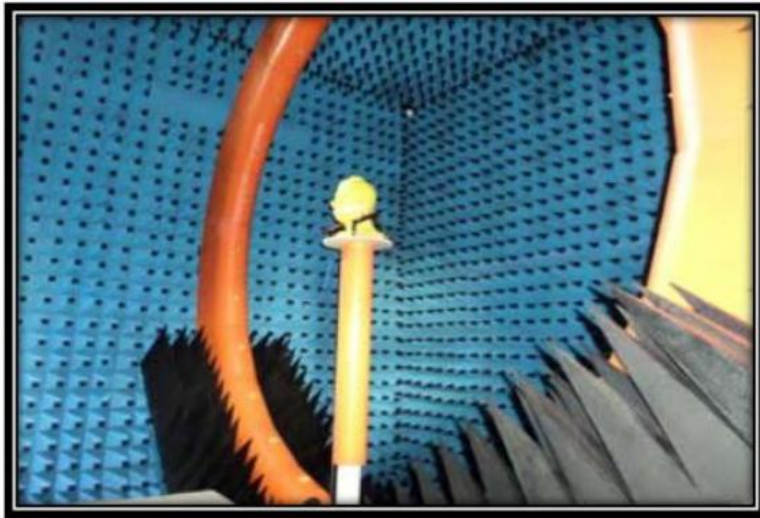
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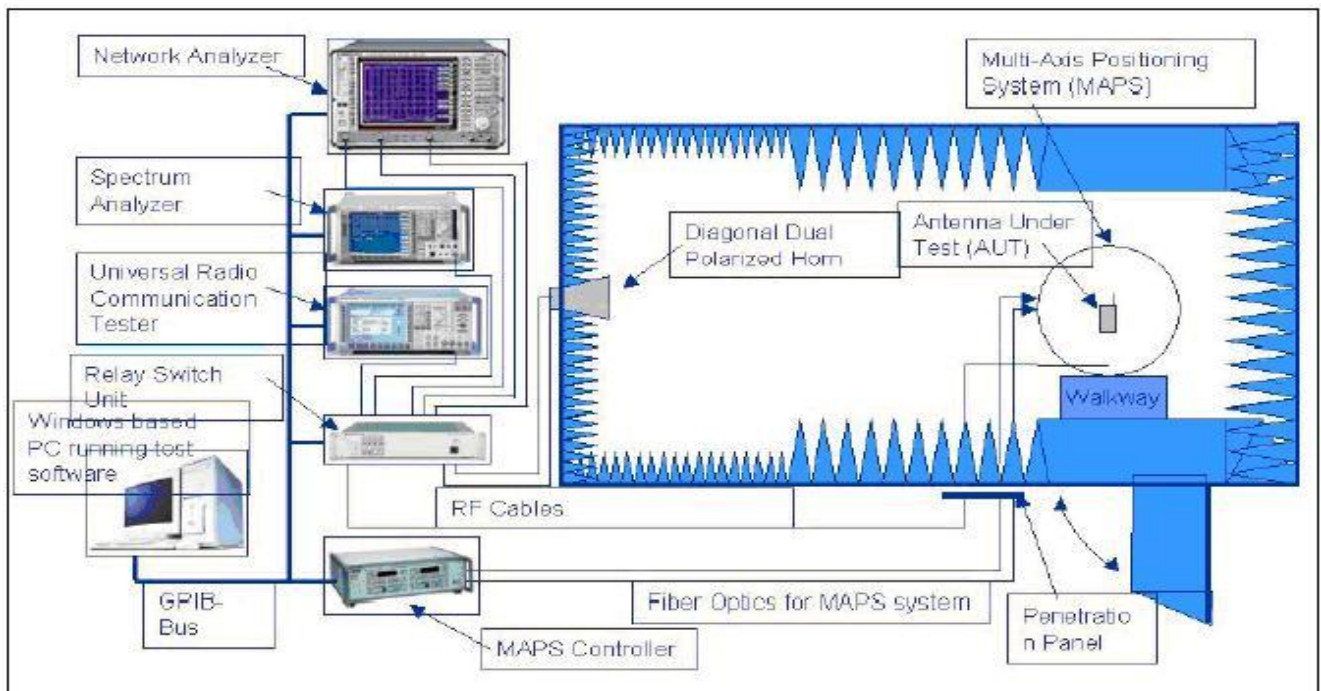
2. Test equipment



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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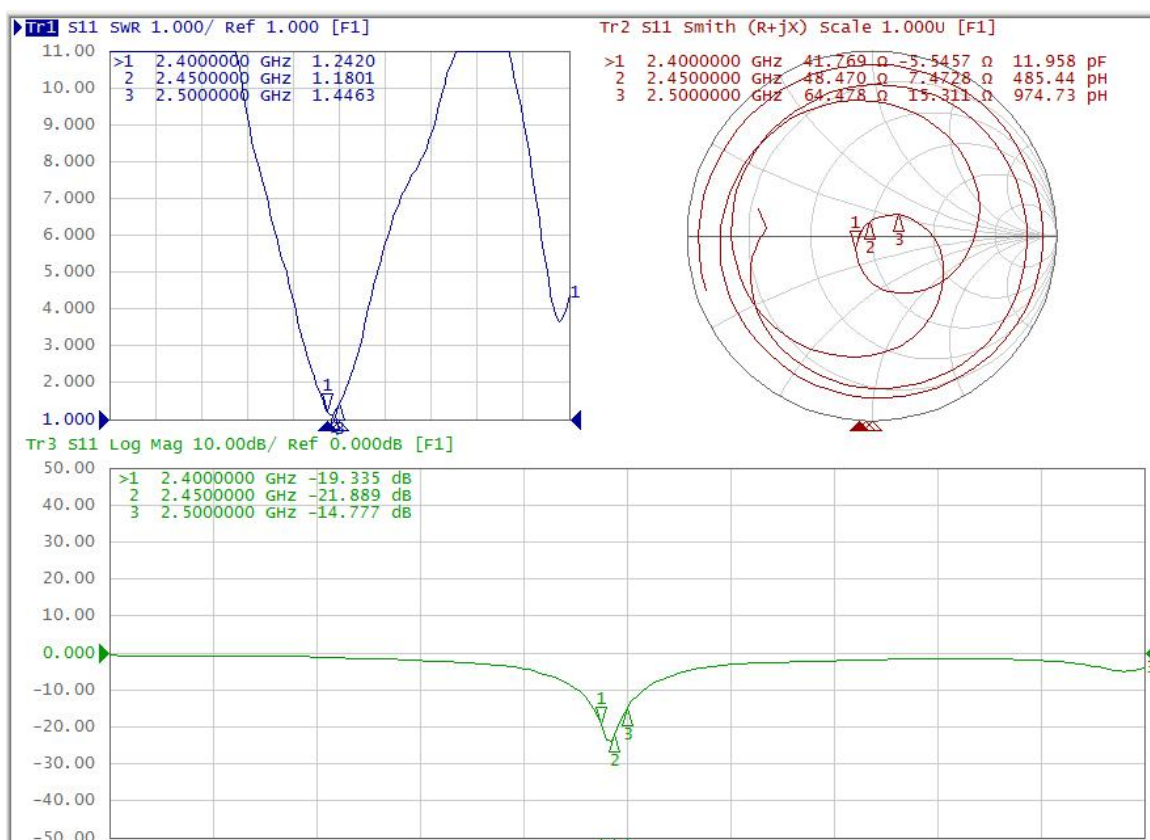
3.Test Results Summary 3-1 Active Test

2.4G		
B模	TRP (1M)	TIS (11M)
1	15.97	-84.89
6	15.00	-84.80
11	15.73	-84.39

N模	TRP (MCS0)	TIS (MCS7)
1	13.03	-66.99
6	12.24	-66.12
11	12.54	-66.34

G模	TRP (6M)	TIS (11M)
1	13.77	-71.28
6	12.40	-70.78
11	12.72	-71.34

3-2 VSWR



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3-3 No-source test data

Frequency	Efficiency	Efficiency . dB	Gain . dB
2400	56%	-2.51	3.53
2410	55%	-2.59	3.54
2420	58%	-2.35	3.87
2430	58%	-2.39	3.79
2440	59%	-2.32	3.79
2450	59%	-2.31	3.71
2460	58%	-2.36	3.65
2470	57%	-2.45	3.77
2480	58%	-2.39	3.94
2490	56%	-2.48	3.93
2500	56%	-2.50	3.76

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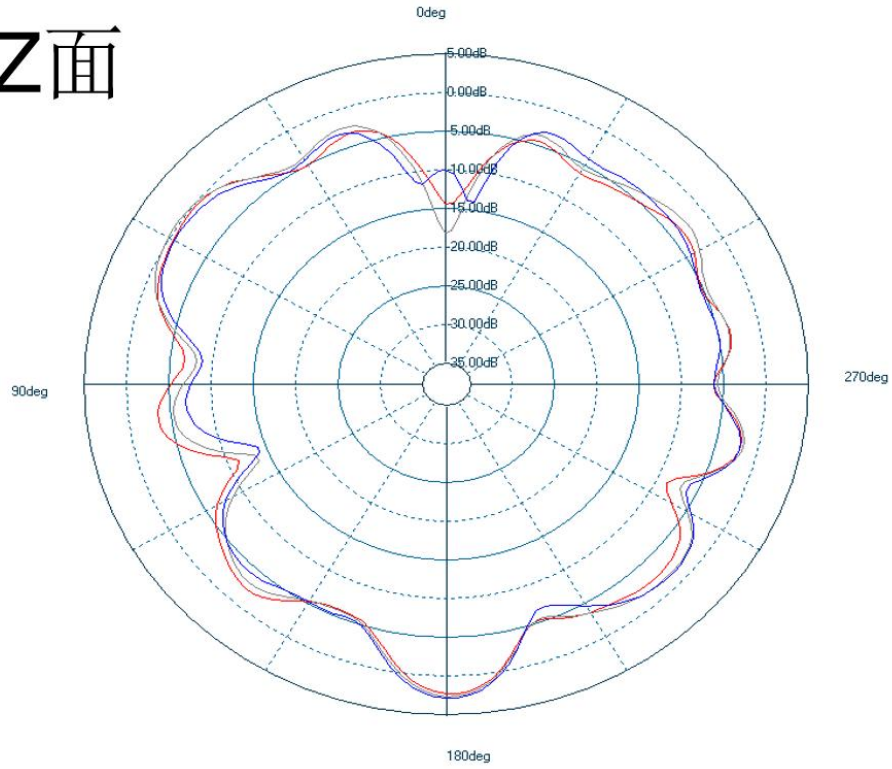
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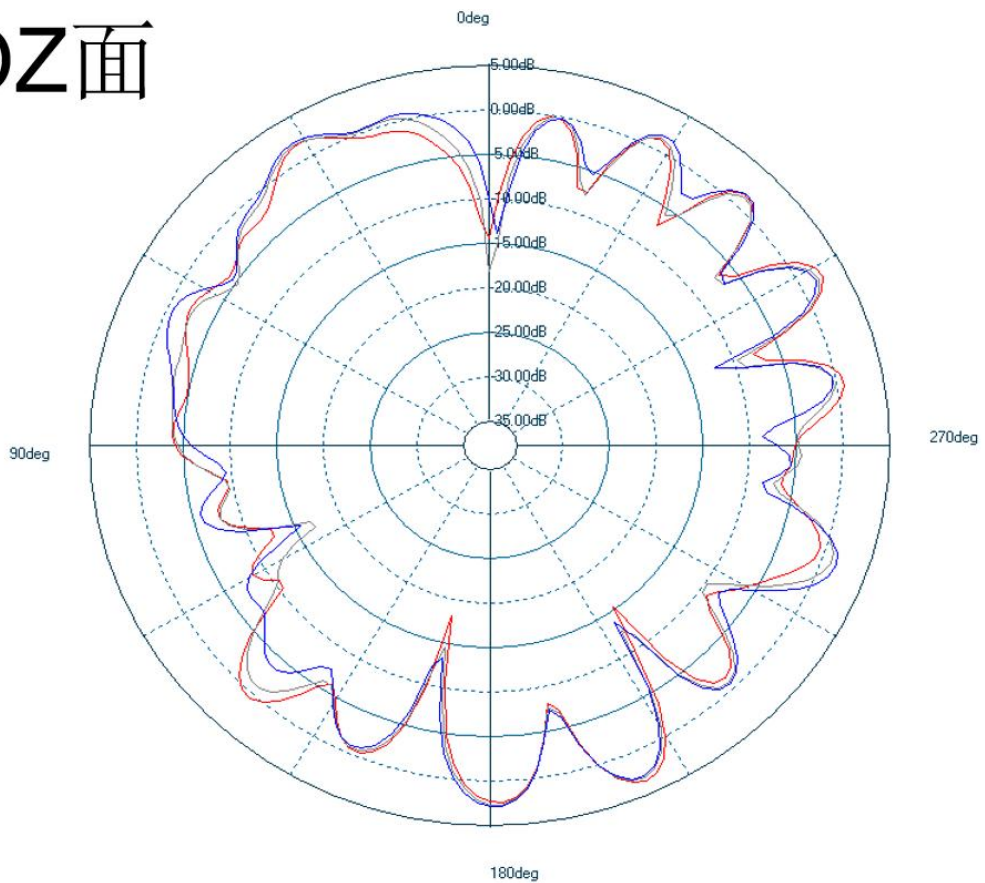
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3-4 2D/3D Radiation Pattern Results

XOZ面



YOZ面



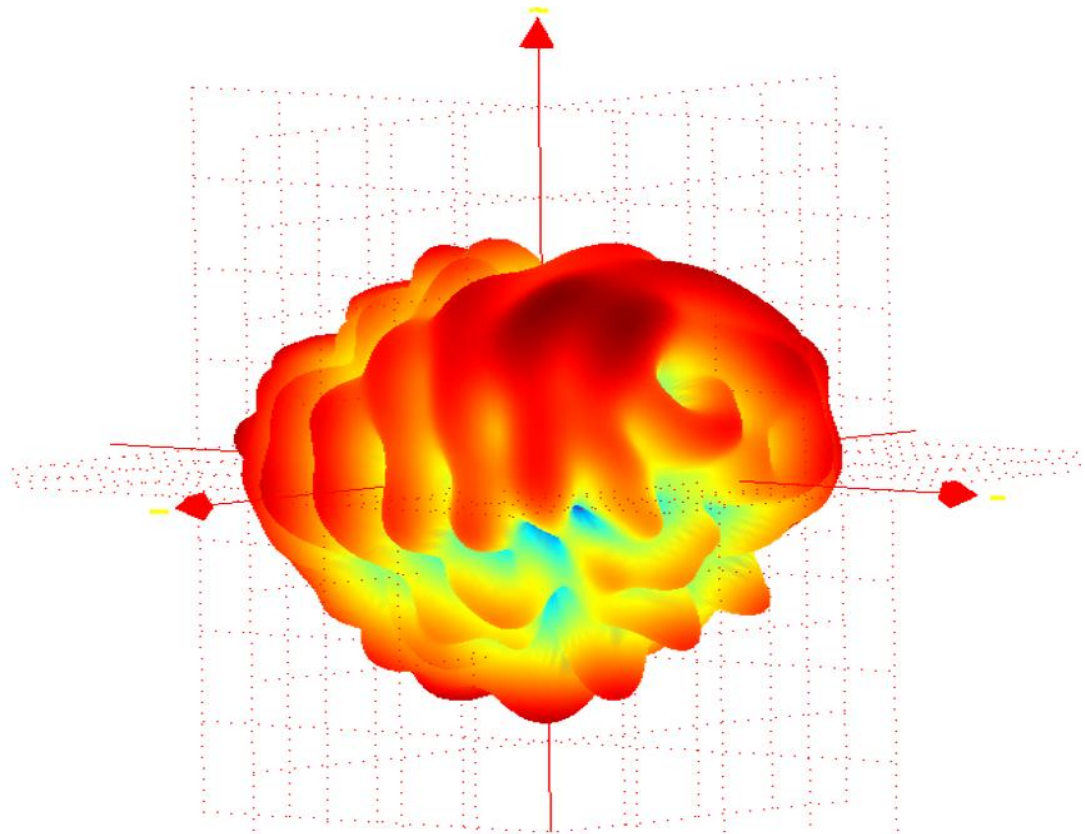
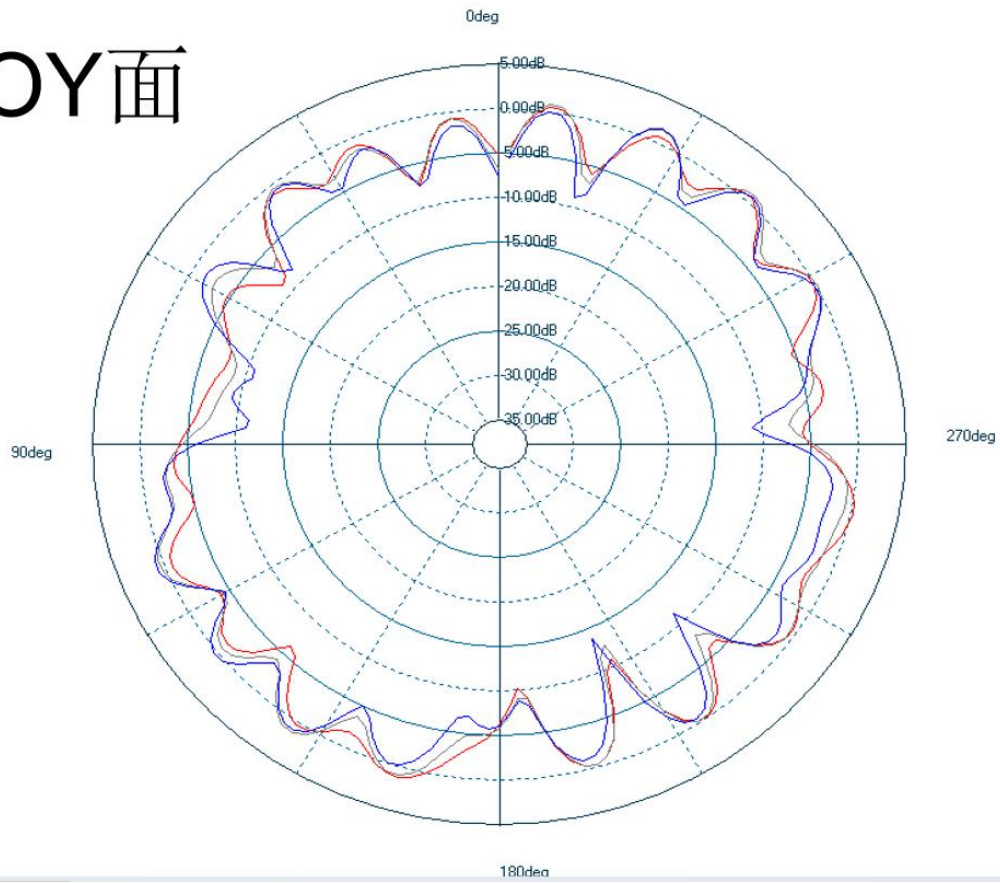
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XOY面



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3-5 Environmental treatment



Antenna