

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	NAGER	ME	RF	LISTER
CHECKED	CHECKED	CHECKED	CHECKED	
		Youjie Ke	Jianeng Feng	



Shenzhen ZTX Communication Technology Co., Ltd

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ANTENNA SPECIFICATION

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

Application Date:Mar,01,2024

Rev: R:A0

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Revision history

Edition	Date	state
A0	2024-03-01	First edition

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ANTENNA SPECIFICATION

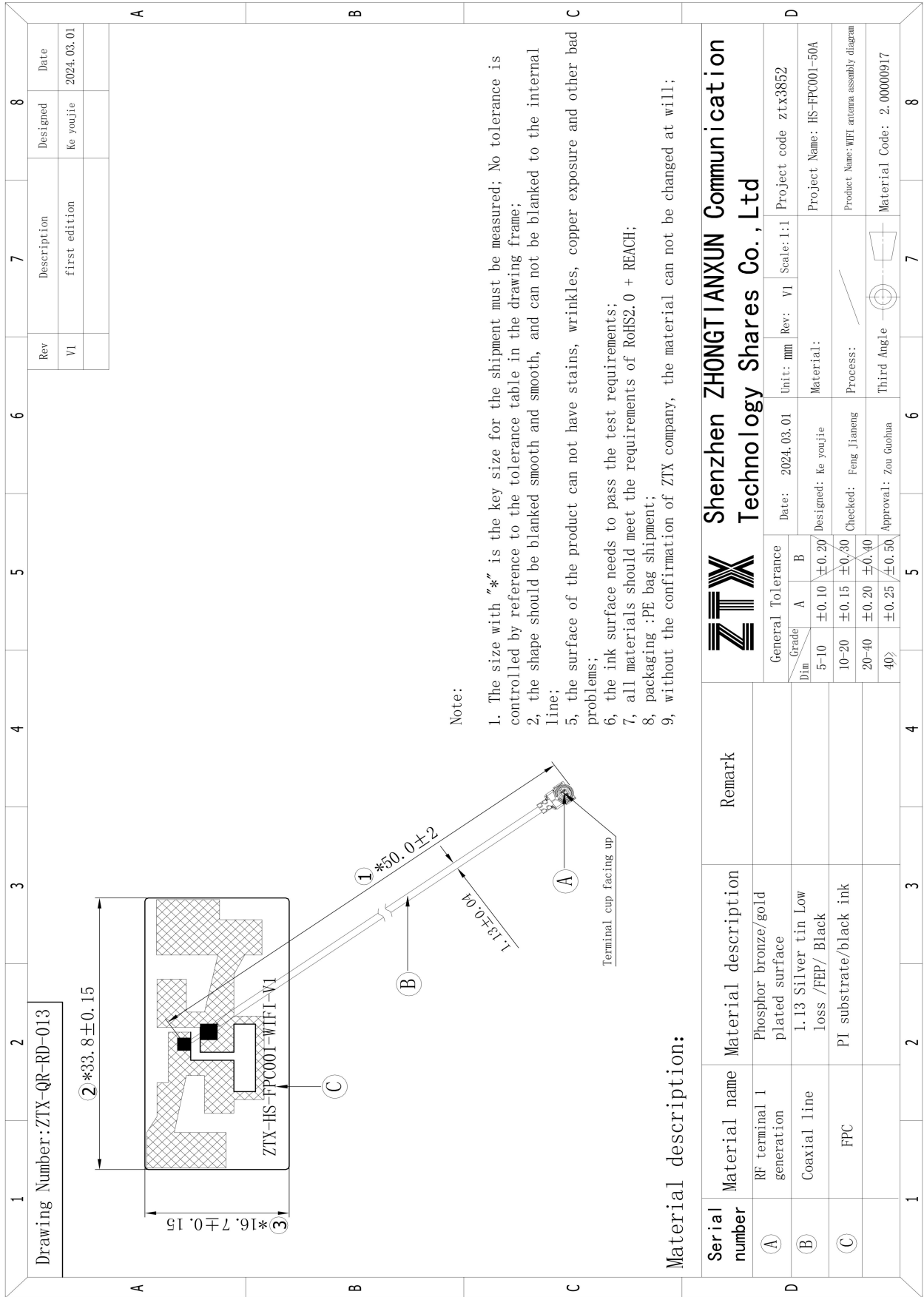
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1. Mechanical Specification

1-1 Mechanical Configuration (WIFI Antenna)



		Shenzhen ZHONGTIANXUN Communication Technology Shares Co., Ltd	
General Tolerance	Date: 2024.03.01 Unit: mm Scale: 1:1	Project code: ztx3852	Project Name: HS-FPC001-50A
Dim 5-10 10-20 20-40 40>	Grade A B	Designed: Ke youjie Checked: Feng Jianeng Approval: Zou Guohua	Product Name: WIFI antenna assembly diagram Material Code: 2.00000917
±0.10 ±0.15 ±0.20 ±0.25	±0.20 ±0.30 ±0.40 ±0.50	Process:	Third Angle

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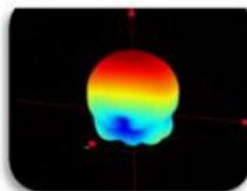
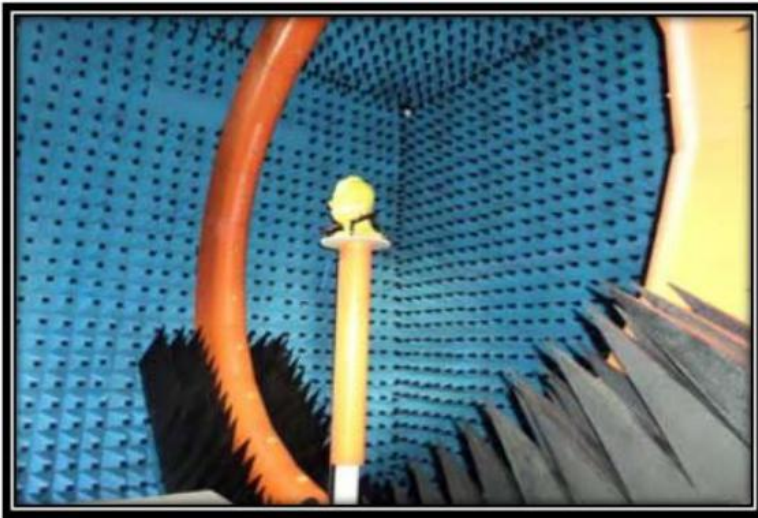
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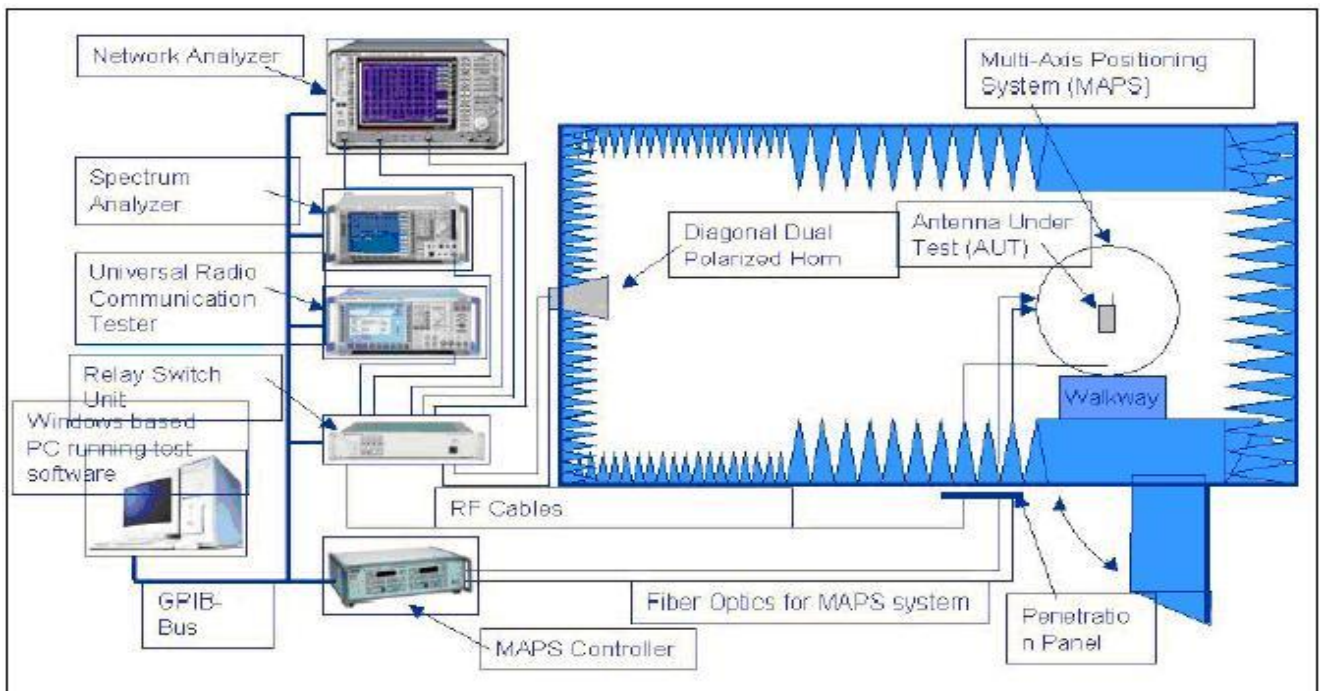
2. Test equipment



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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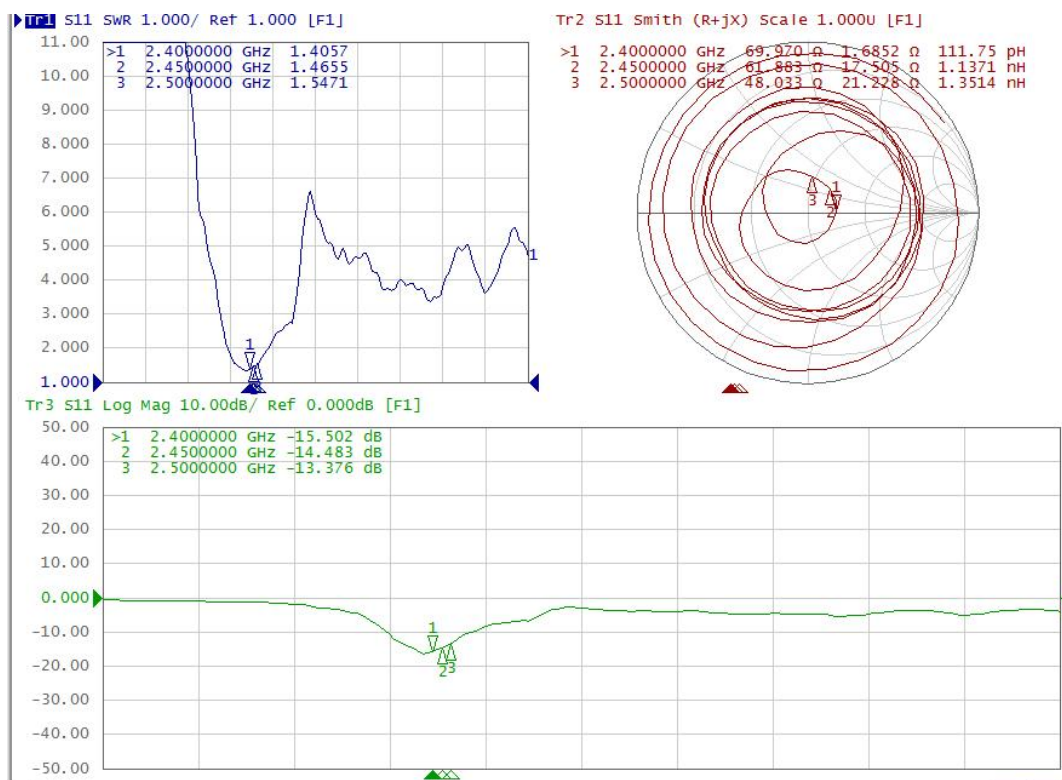
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3.Test Results Summary

3-1 Active Test

Channels	B		G		N	
	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



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3-3 No-source test data

Frequency	Efficiency	Efficiency. dB	Gain. dB
2400MHz	61%	-2.15	4.12
2410MHz	62%	-2.08	4.45
2420MHz	60%	-2.22	4.31
2430MHz	61%	-2.15	4.28
2440MHz	62%	-2.08	4.18
2450MHz	61%	-2.15	4.08
2460MHz	59%	-2.29	4.99
2470MHz	61%	-2.15	4.62
2480MHz	58%	-2.37	3.98
2490MHz	60%	-2.22	3.98
2500MHz	61%	-2.15	4.15

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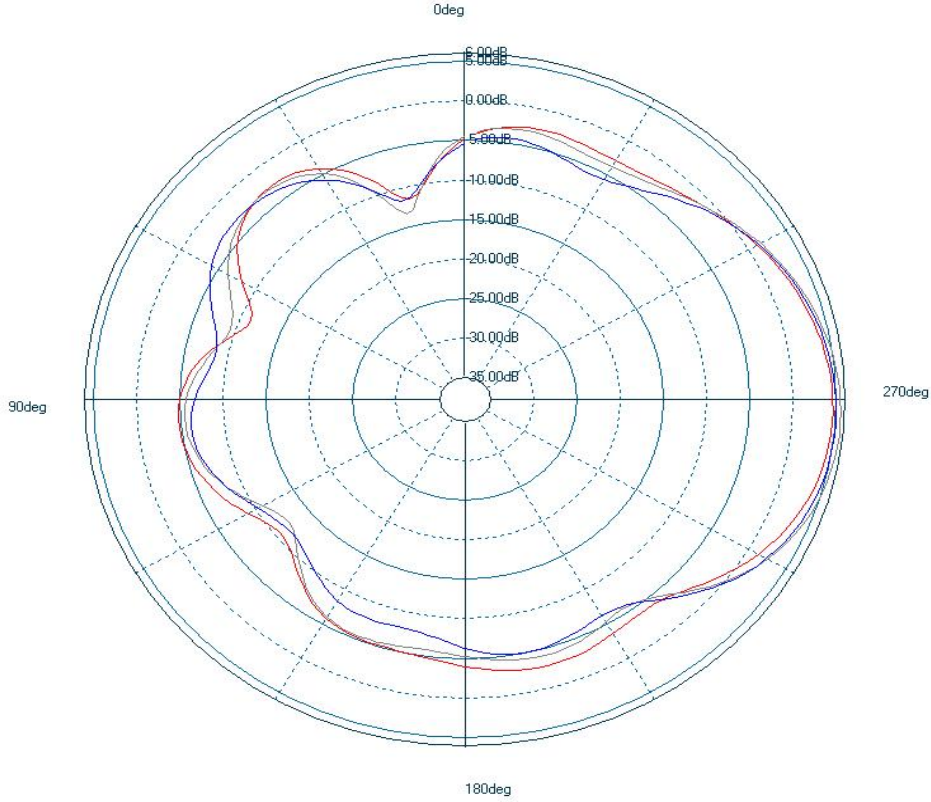
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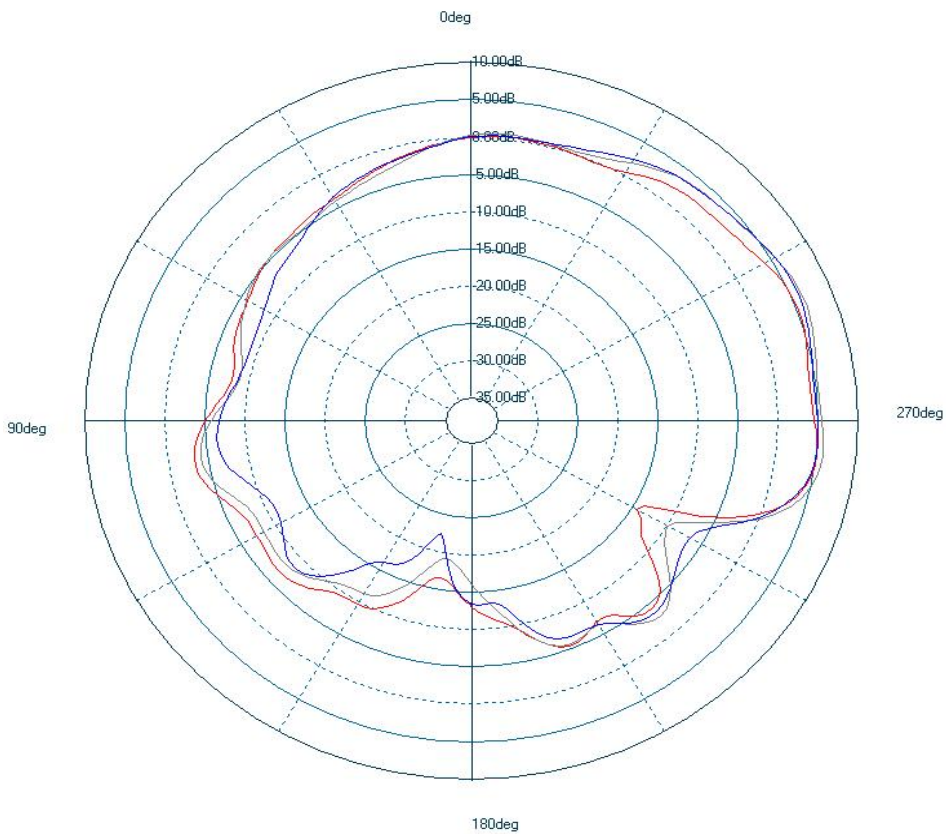
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3-4 2D/3D Radiation Pattern Results

XOY



XOZ



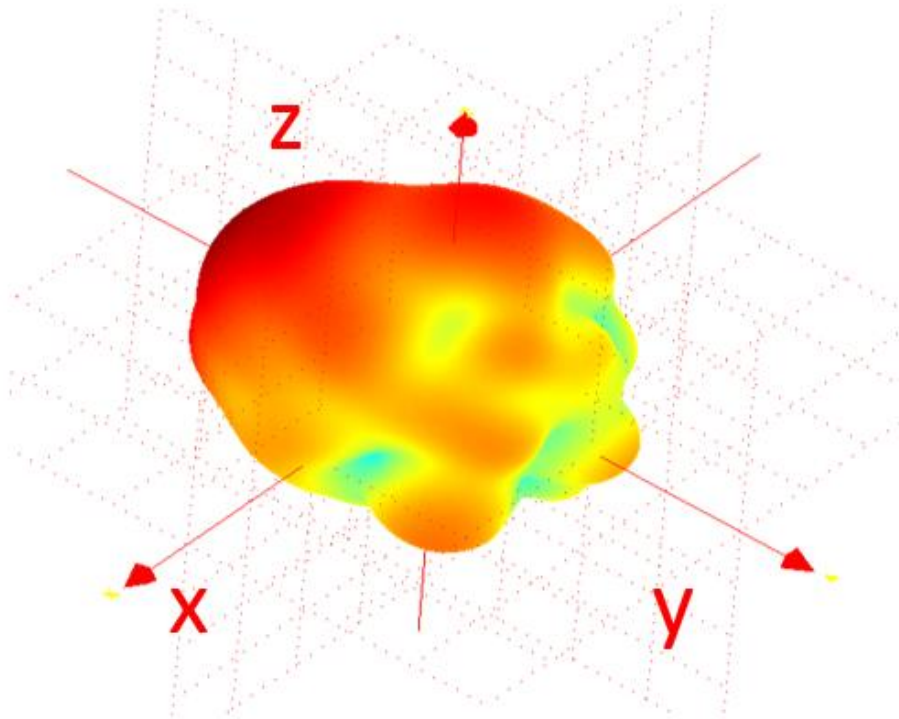
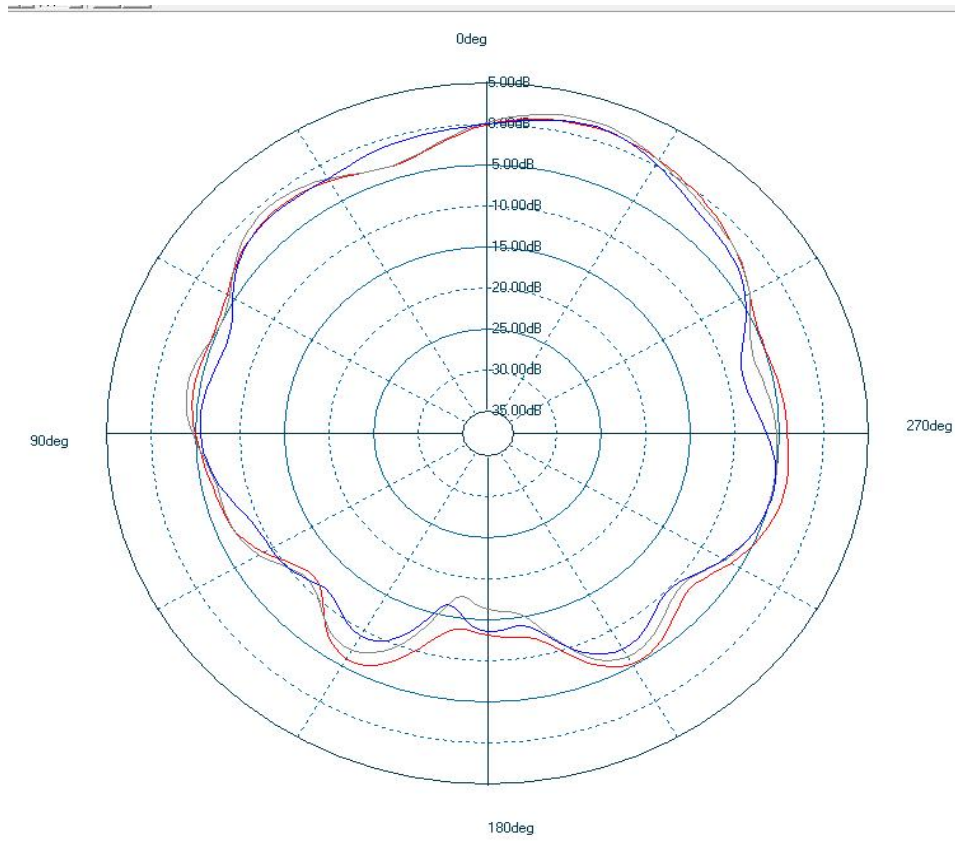
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3-5 Environmental treatment

