

# SPECIFICATION

## SHEET FOR APPROVAL

(Revision: R: A0)

CUSTOMER(客户名称)		
CS P/N(客户机种)	NE6037	TS30
PART NAME(品名)	3#Antenna Components	
FREQUENCY(频率)	2.40~2.50GHz+5.15~5.85GHz	
ZTX NO.(物料编号)	2.00005761	
DATE(日期)	2022-09-19	

CUSTOMER			
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

Remark(备注):

Sign(客户确认签字盖章): \_\_\_\_\_

ZHONG TIAN XUN TECHNOLOGY CO., LTD				
MANAGER CHECKED	MANAGER CHECKED	ME CHECKED	RF CHECKED	LISTER
邹国华 GUOHUA ZOU		赖宁平 LINGPING LAI	杨显堂 XIANTAGN YANG	



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# ANTENNA SPECIFICATION

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## Revision history

版本	日期	状态
A0	2022-09-19	初版



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# ANTENNA SPECIFICATION

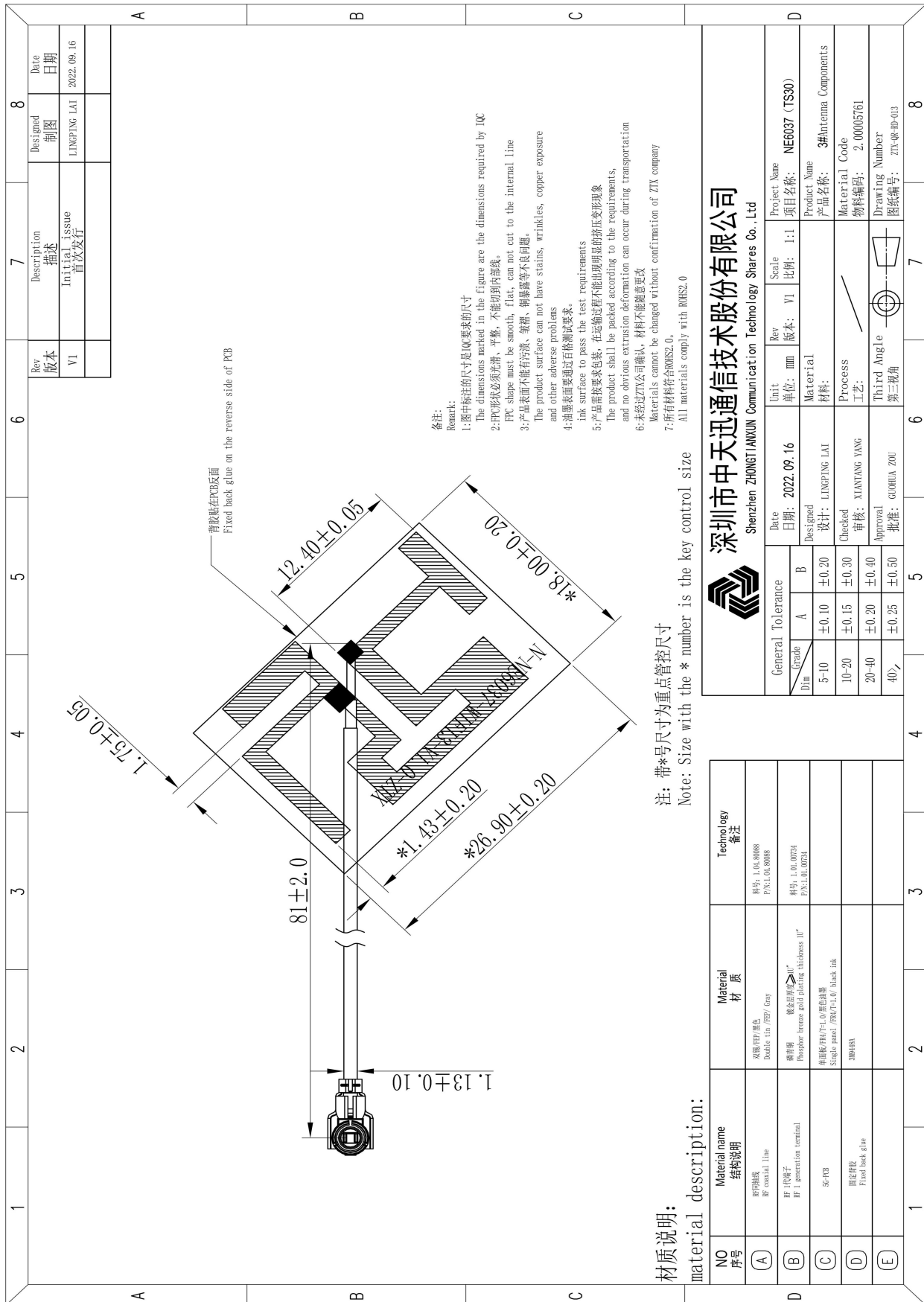
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## 1. Mechanical Specification

### 1-1 Mechanical Configuration (3#天线 3#Antenna Components)



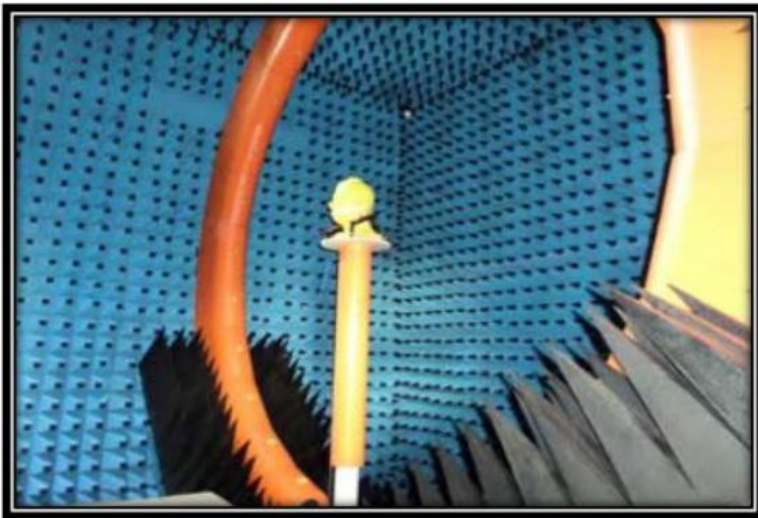
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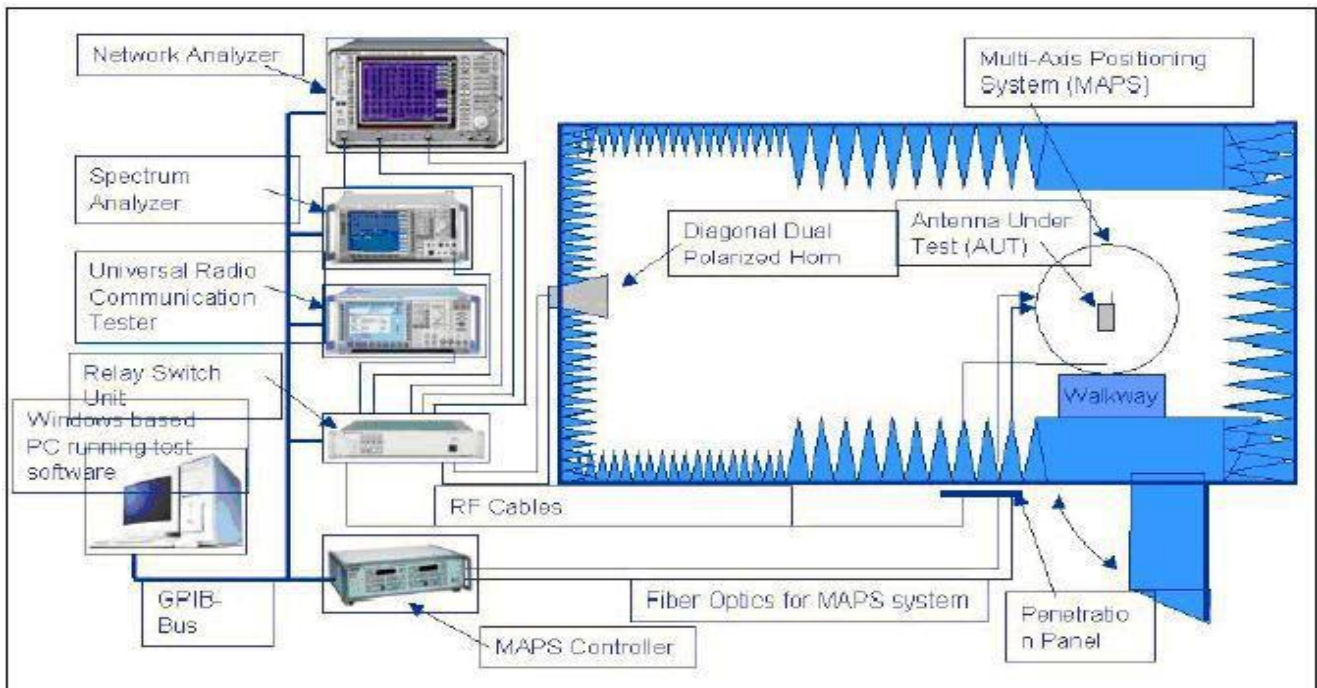
## 2.Test equipment



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

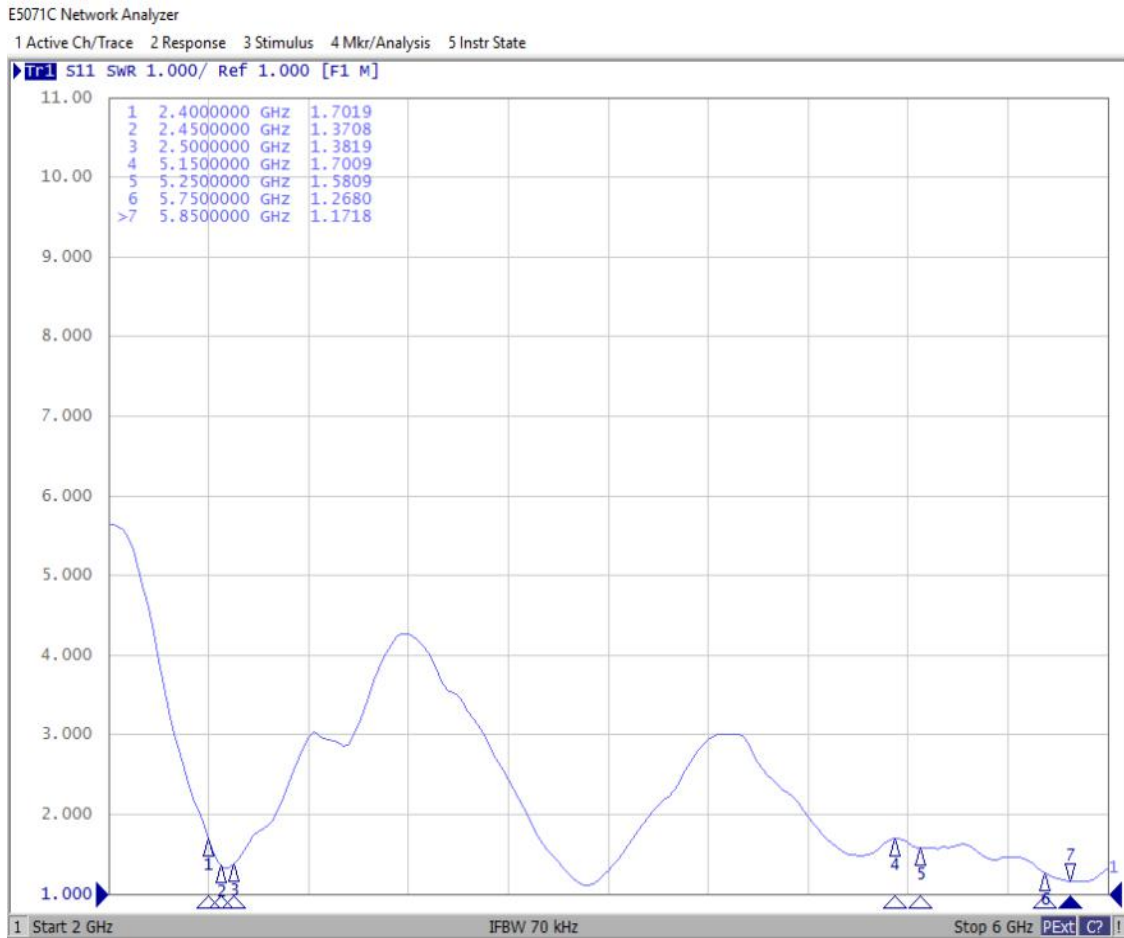
接0Ω电阻散热片打螺丝接地+导电布OTA数据

OTA数据 (2.4GWiFi-N模式)			
Band	信道	TRP (65M)	TIS (65M)
WIFI N 2.4G	1	16.59	-63.83
	6	16.42	-65.46
	11	16.57	-66.22

OTA数据 (5GWiFi-AX模式)			
Band	信道	TRP (135M)	TIS (135M)
WIFI AX 5G	36	19.12	-67.42
	149	-	-
	161	-	-

### 3-2 VSWR



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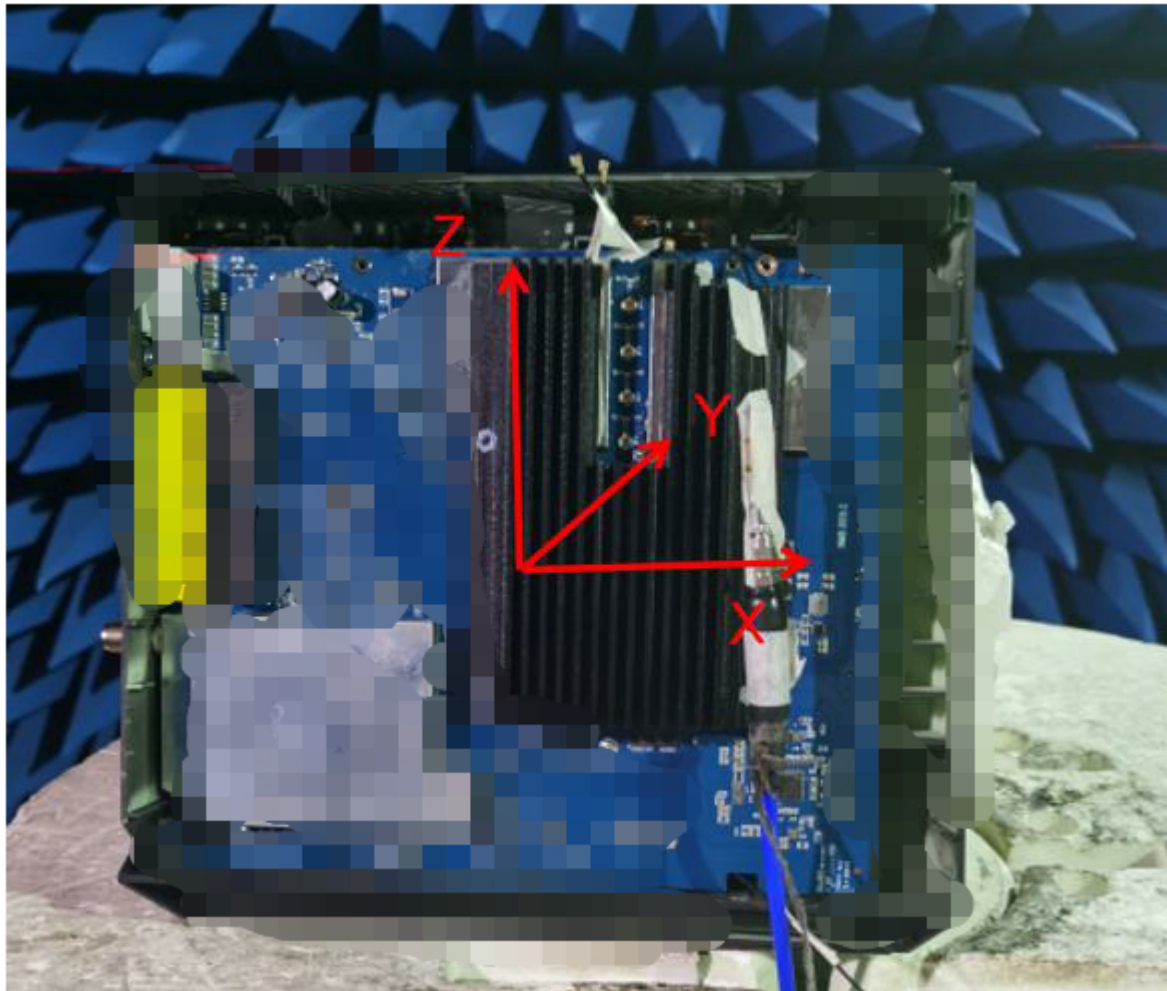
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## 3-3 Passive Test

Frequency	Efficiency	Efficiency . dB	Gain . dB
2400	56%	-2.51	3.10
2450	57%	-2.46	3.56
2500	57%	-2.43	4.16
5150	53%	-2.73	4.56
5450	55%	-2.61	4.63
5850	54%	-2.69	4.60

## 3-4 2D/3D Radiation Pattern Results



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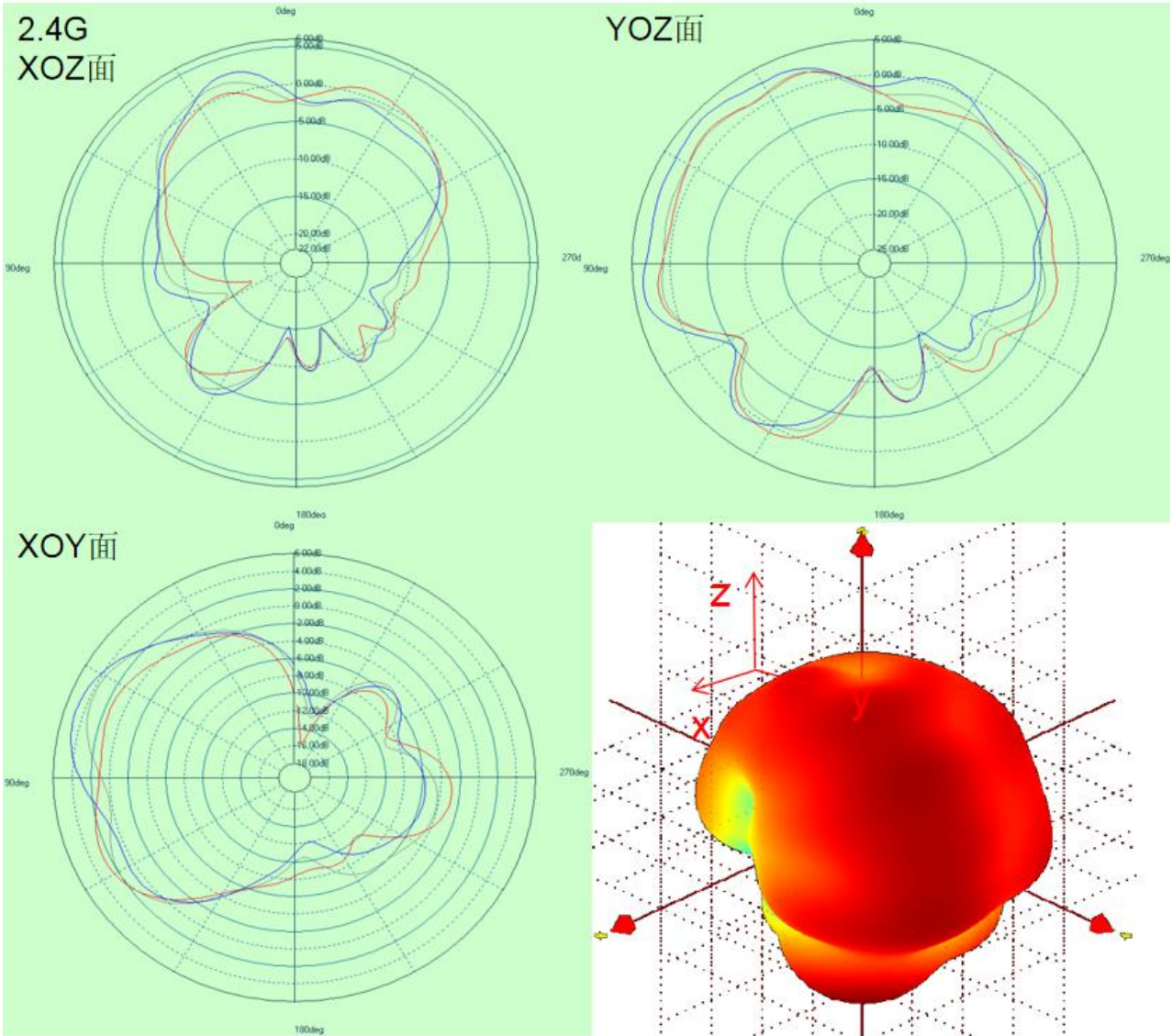
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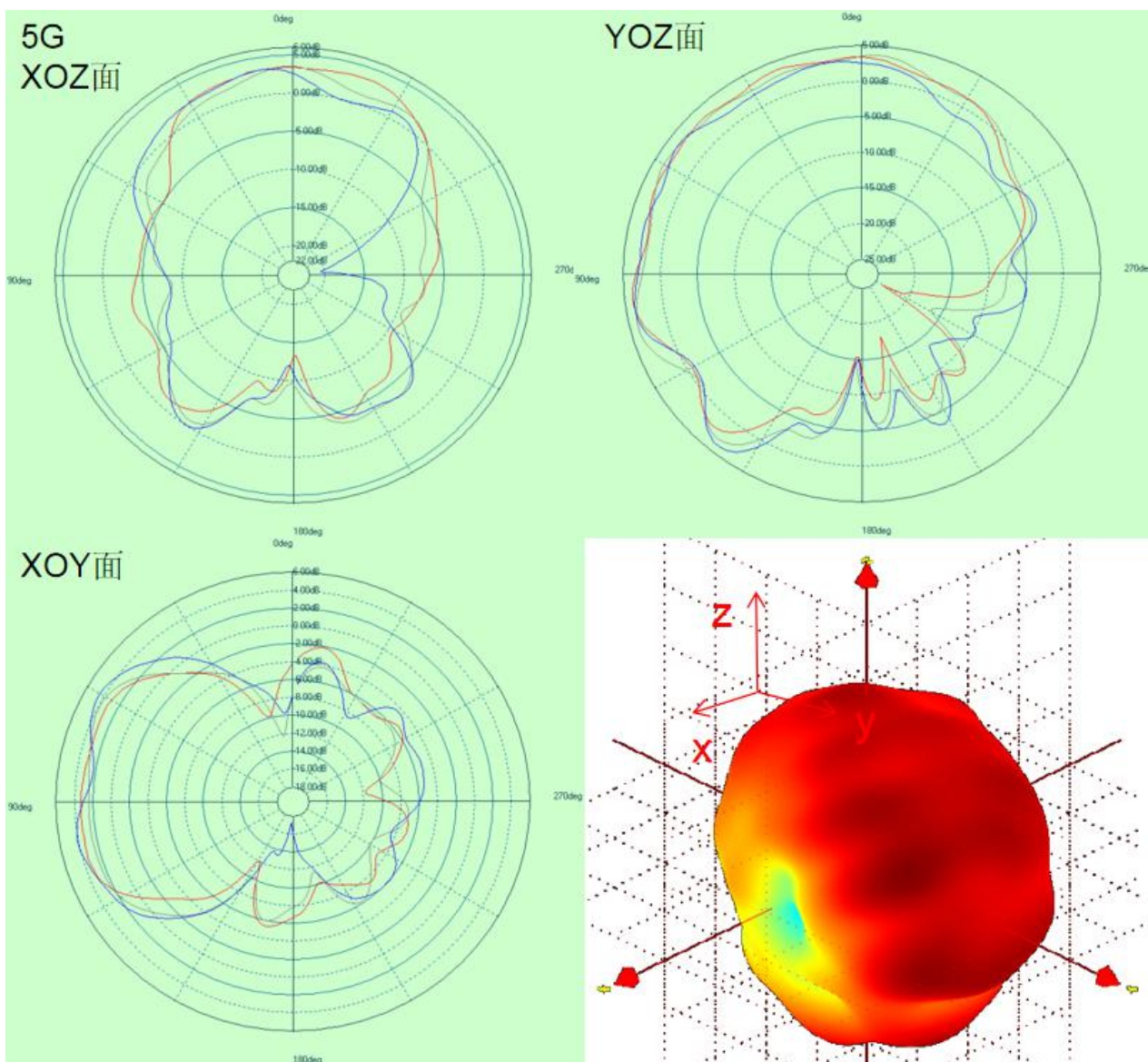
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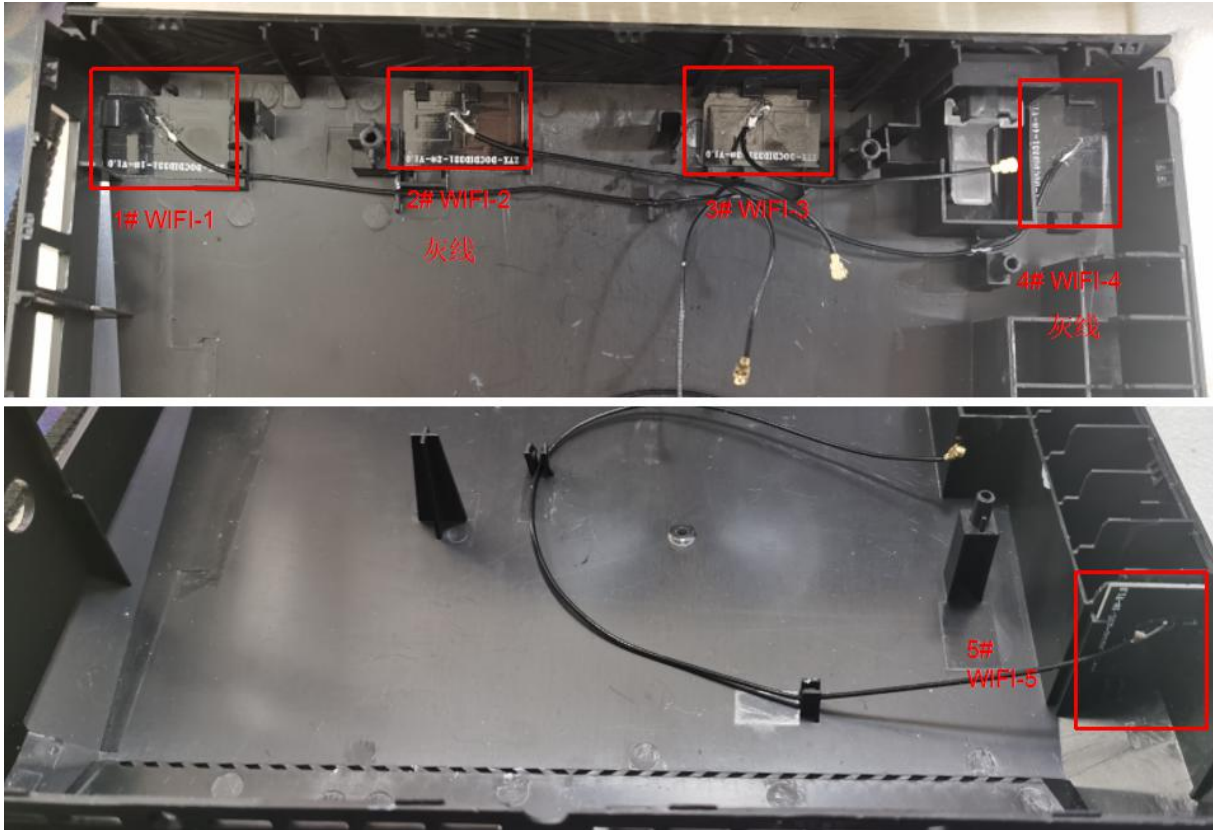
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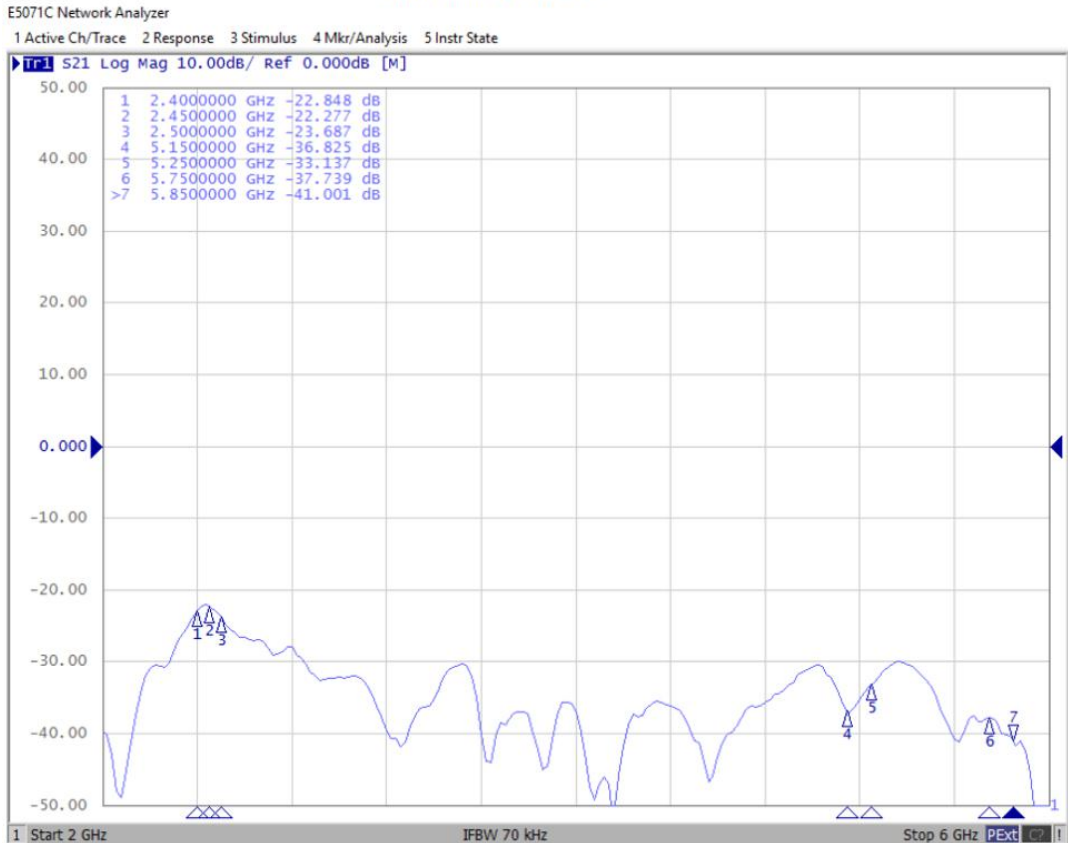
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## 3-5 Environment treatment



## 3-6 Antenna isolation

### WIFI-1&WIFI-3



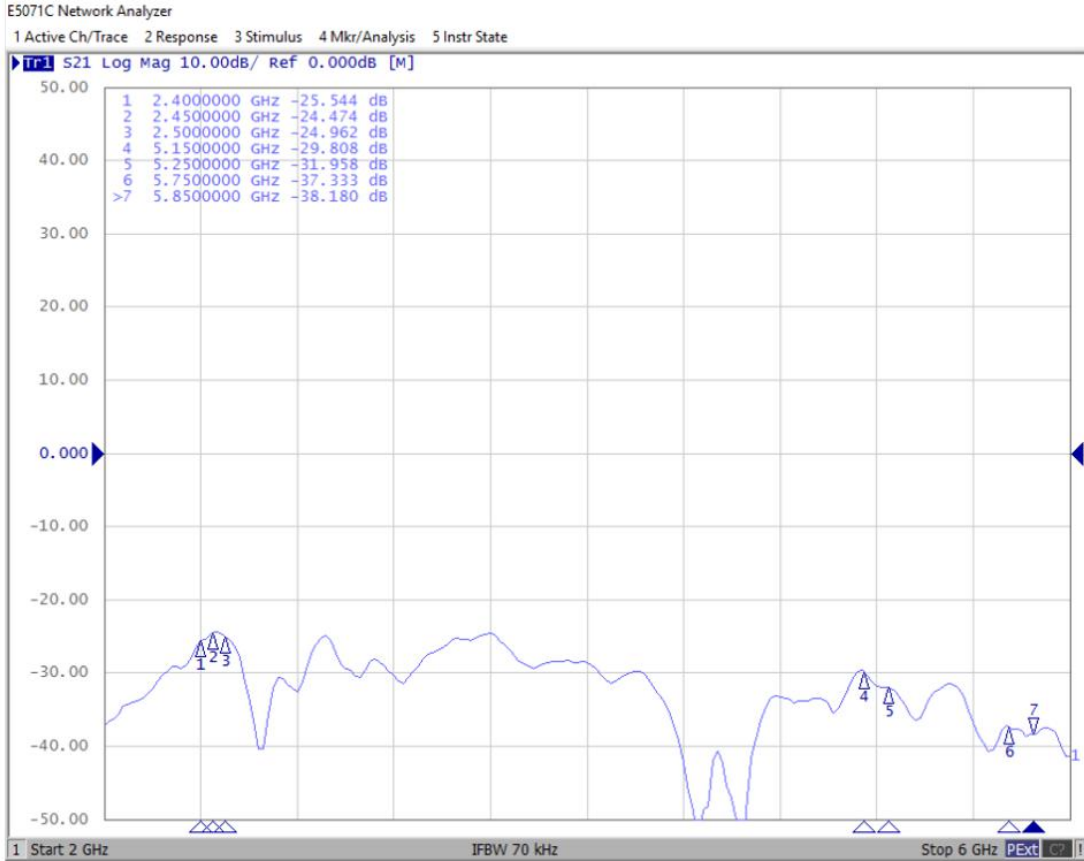
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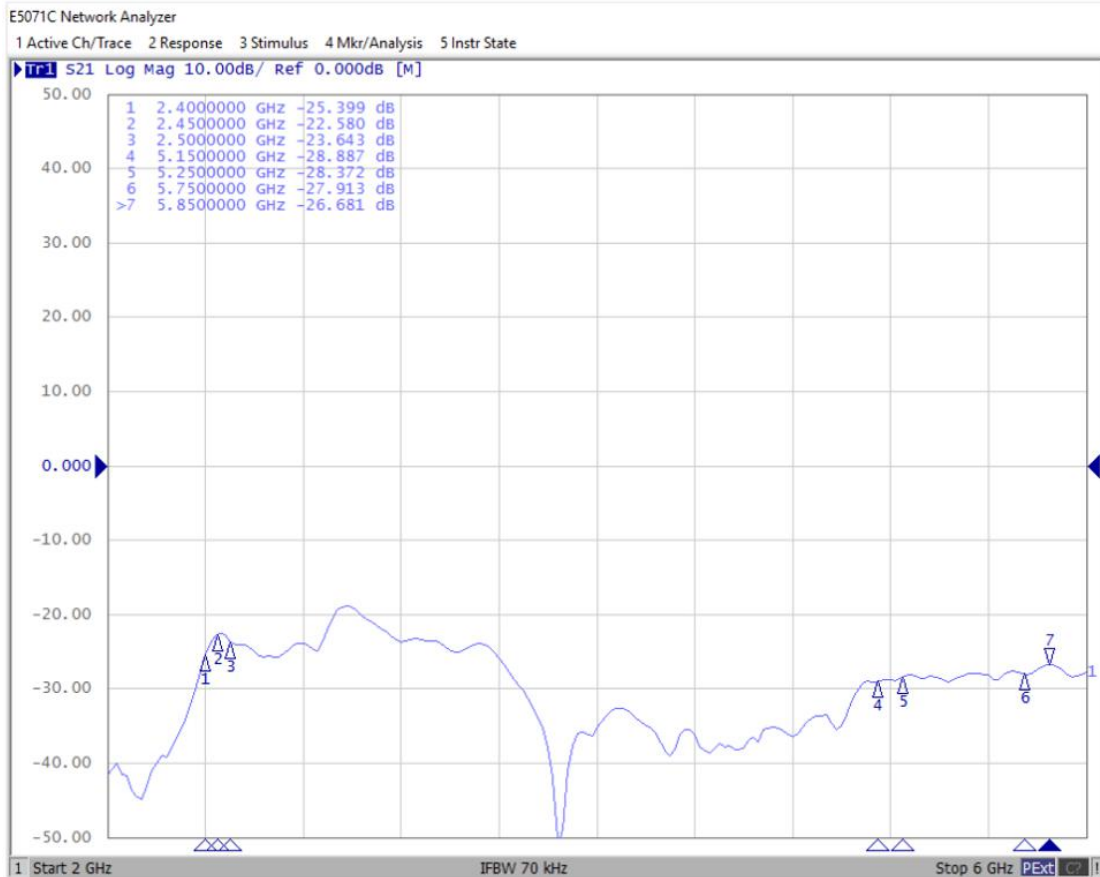
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## WIFI-2&WIFI-3



## WIFI-3&WIFI-4



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## WIFI-3&WIFI-5

