

# 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)	2#Antenna Components	
FREQUENCY(频率)	2.40~2.50GHz+5.15~5.85GHz	
ZTX NO.(物料编号)	2.00005759	
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	



深圳市中天迅通信技术股份有限公司  
SHENZHEN ZHONGTIAN XUN Communication Technology Co., Ltd.

地址: 深圳市宝安区石岩镇石龙大道 34 号(腾达工业园) 邮编: 518000  
电话: 0755-27588320 传真: 0755-27588045 <http://www.chinaztx.com>

# ANTENNA SPECIFICATION

CUS P/N :NE6037 (TS30) 2#  
ZTX P/N :NE6037 (TS30) 2#

ApplicationDate:SEP,19,2022  
Editor:

Rev: R:A0  
Page 1 of 11

---

## Revision history

版本	日期	状态
A0	2022-09-19	初版



# ANTENNA SPECIFICATION

CUS P/N :NE6037 (TS30) 2#  
ZTX P/N :NE6037 (TS30) 2#

ApplicationDate:SEP,19,2022  
Editor:

Rev: R:A0  
Page 2 of 11

---

## Index

		<b>Revision history</b>	<b>1</b>
		<b>Index</b>	<b>2</b>
<b>1</b>		<b>Mechanical Specification</b>	<b>3</b>
	<b>1-1</b>	<b>Mechanical Specification</b>	<b>3</b>
<b>2</b>		<b>Test equipment</b>	<b>4</b>
<b>3</b>		<b>Test Results Surmmary</b>	<b>5</b>
	<b>3-1</b>	<b>Active Test</b>	<b>5</b>
	<b>3-2</b>	<b>VSWR</b>	<b>5</b>
	<b>3-3</b>	<b>Passive Test</b>	<b>6</b>
	<b>3-4</b>	<b>2D/3D Radiation Pattern Results</b>	<b>6~8</b>
	<b>3-5</b>	<b>Environment treatment</b>	<b>9</b>
	<b>3-6</b>	<b>Antenna isolation</b>	<b>9~11</b>

# ANTENNA SPECIFICATION

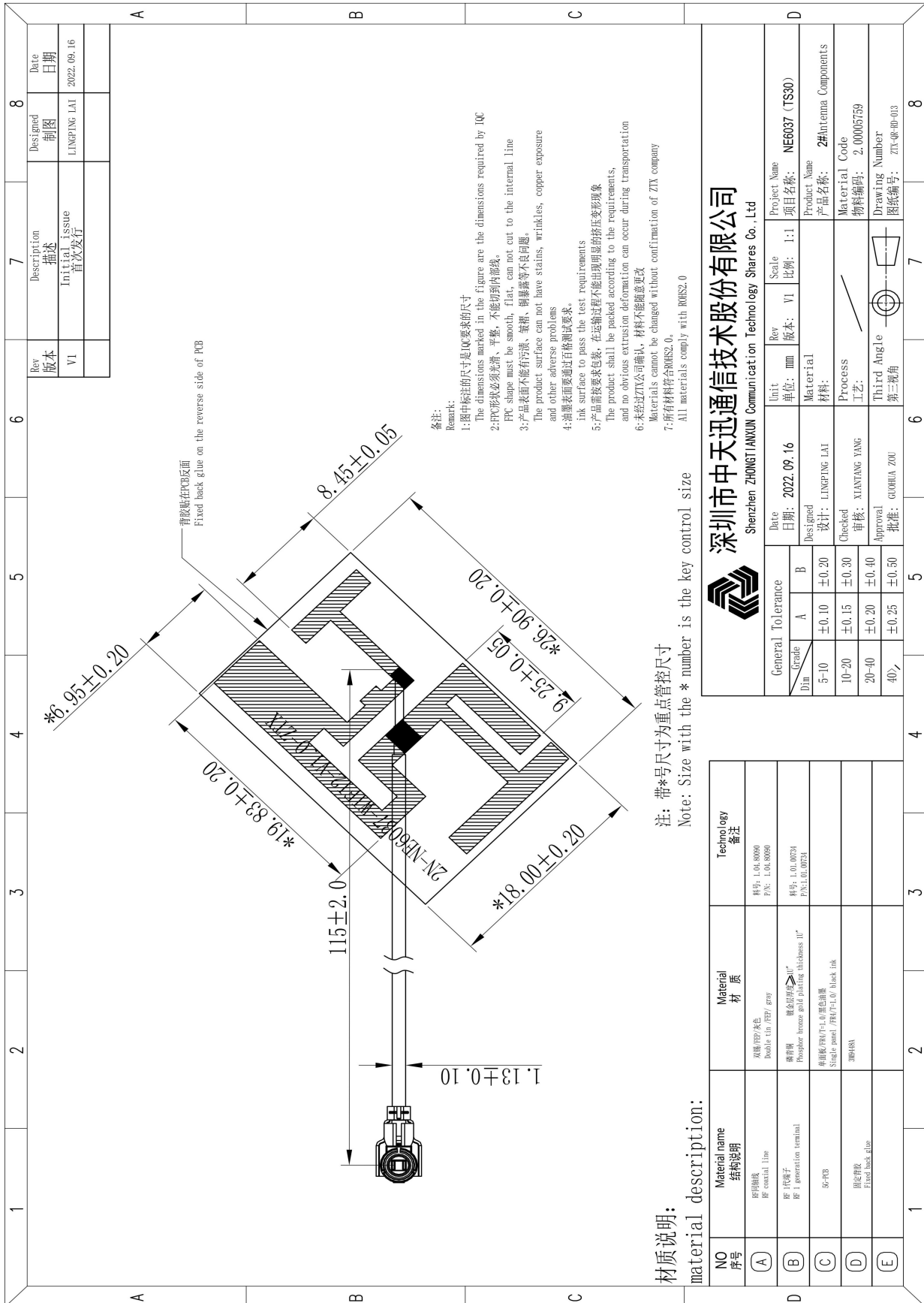
CUS P/N :NE6037 (TS30) 2#  
ZTX P/N :NE6037 (TS30) 2#

ApplicationDate:SEP,19,2022  
Editor:

Rev: R:A0  
Page 3 of 11

## 1. Mechanical Specification

### 1-1 Mechanical Configuration (2#天线 2#Antenna Components)



# ANTENNA SPECIFICATION

CUS P/N :NE6037 (TS30) 2#

ApplicationDate:SEP,19,2022

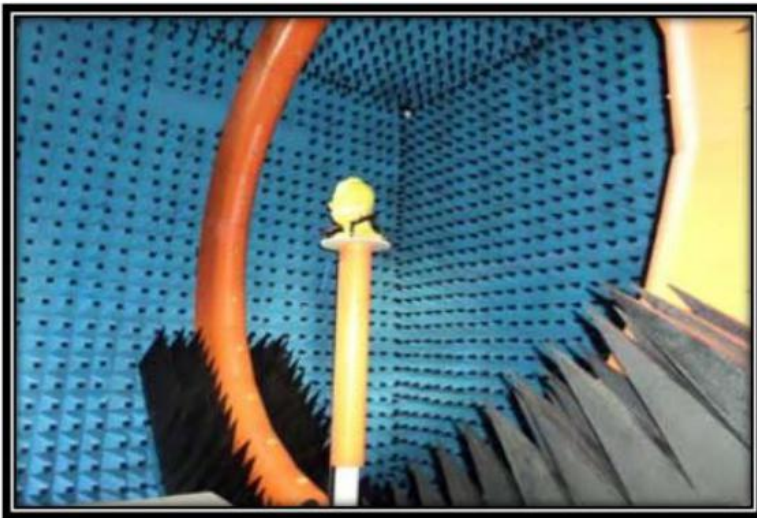
Rev: R:A0

ZTX P/N :NE6037 (TS30) 2#

Editor:

Page 4 of 11

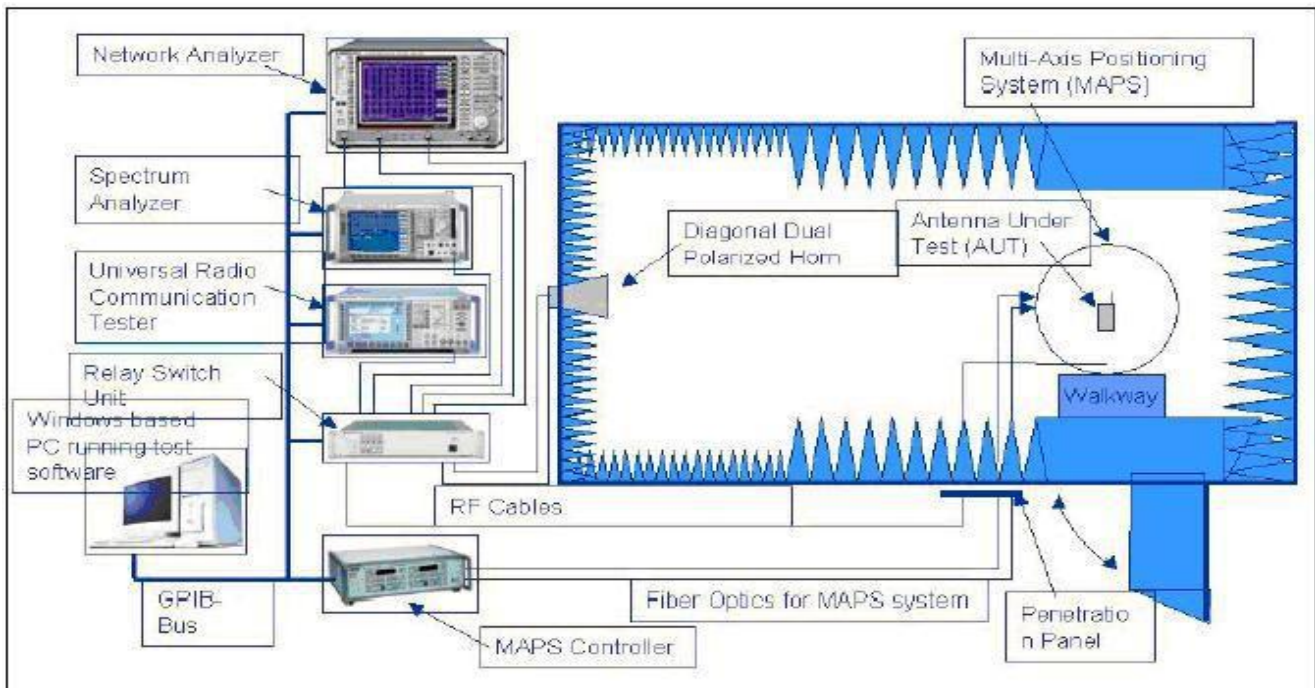
## 2.Test equipment



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.



# ANTENNA SPECIFICATION

CUS P/N :NE6037 (TS30) 2#  
ZTX P/N :NE6037 (TS30) 2#

ApplicationDate:SEP,19,2022  
Editor:

Rev: R:A0  
Page 5 of 11

## 3.Test Results Summary

### 3-1 Active Test

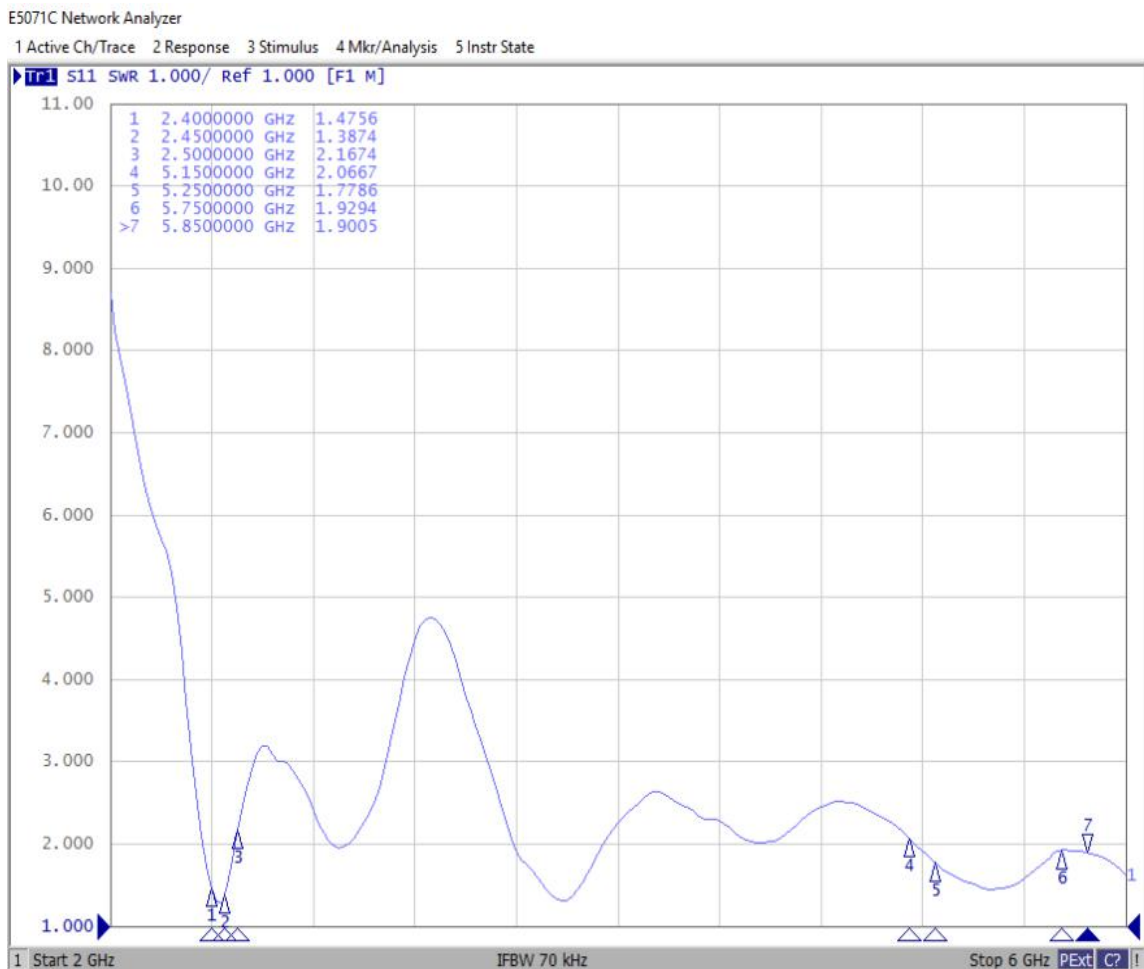
接0Ω电阻散热片打螺丝接地+导电布OTA数据

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



# ANTENNA SPECIFICATION

CUS P/N :NE6037 (TS30) 2#  
ZTX P/N :NE6037 (TS30) 2#

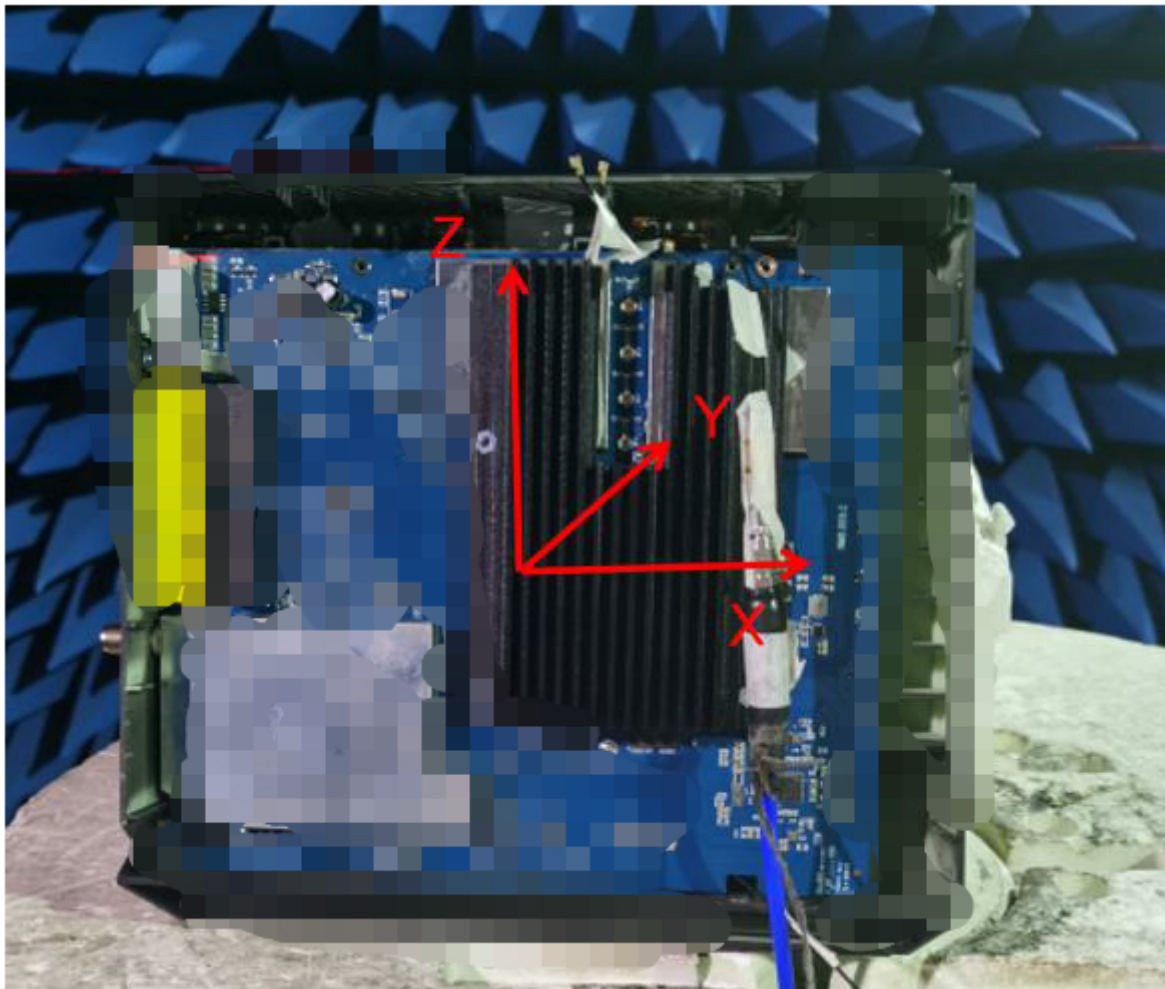
ApplicationDate:SEP,19,2022  
Editor:

Rev: R:A0  
Page 6 of 11

## 3-3 Passive Test

Frequency	Efficiency	Efficiency . dB	Gain . dB
2400	57%	-2.44	3.96
2450	58%	-2.39	4.35
2500	56%	-2.51	4.31
5150	51%	-2.90	4.49
5450	52%	-2.85	4.82
5850	50%	-3.02	4.44

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



# ANTENNA SPECIFICATION

CUS P/N :NE6037 (TS30) 2#

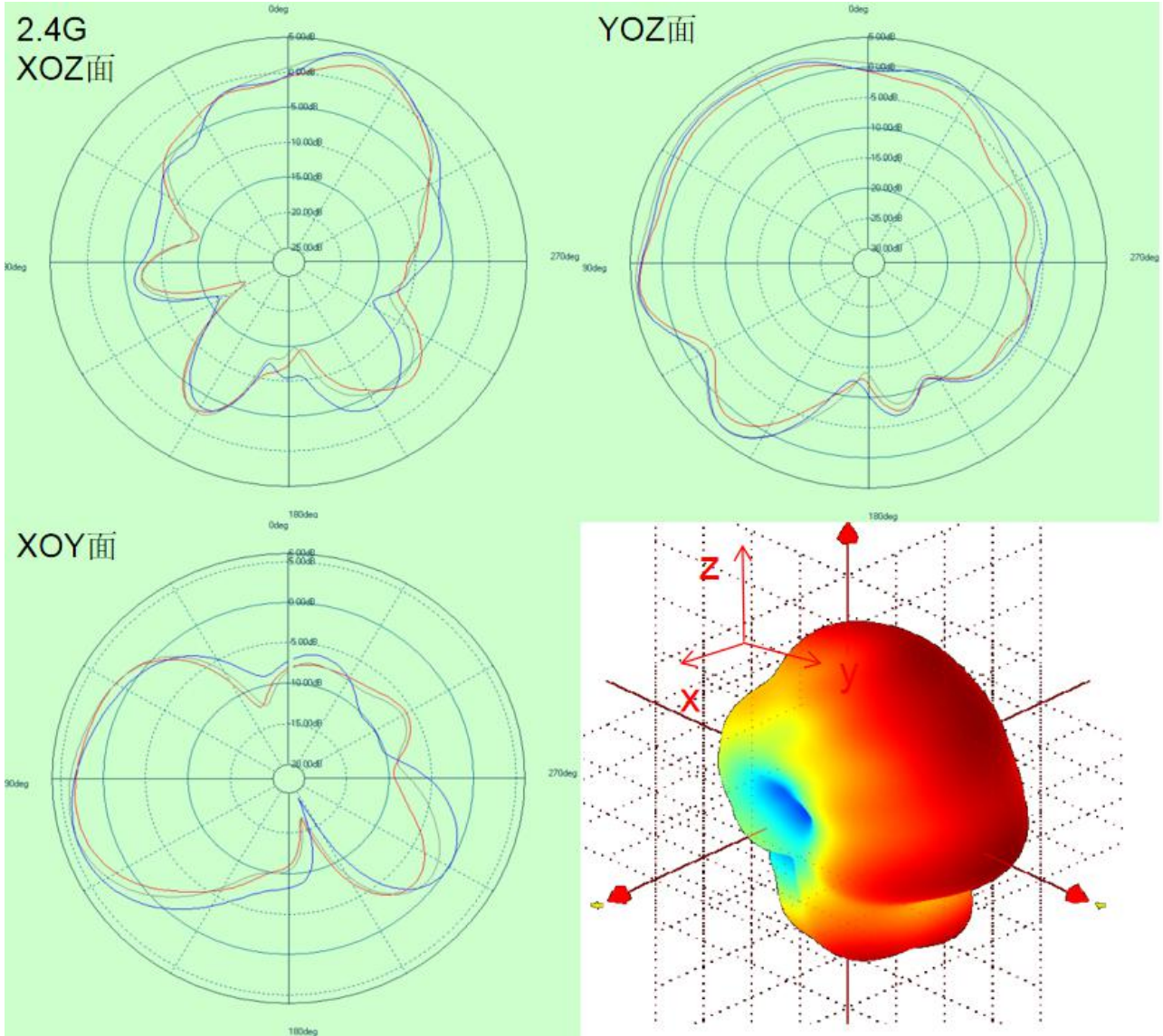
ApplicationDate:SEP,19,2022

Rev: R:A0

ZTX P/N :NE6037 (TS30) 2#

Editor:

Page 7 of 11





# ANTENNA SPECIFICATION

CUS P/N :NE6037 (TS30) 2#

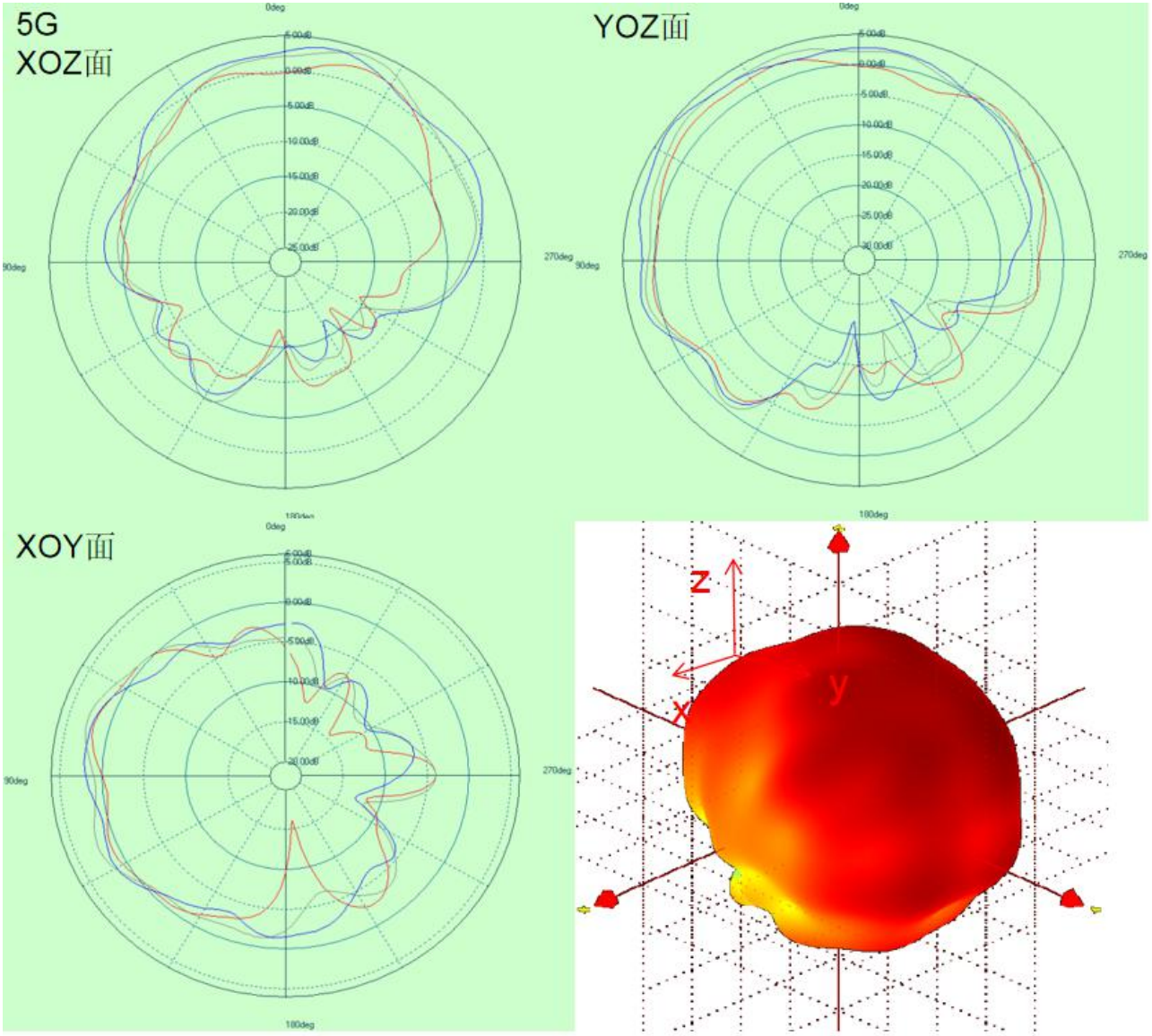
ApplicationDate:SEP,19,2022

Rev: R:A0

ZTX P/N :NE6037 (TS30) 2#

Editor:

Page 8 of 11



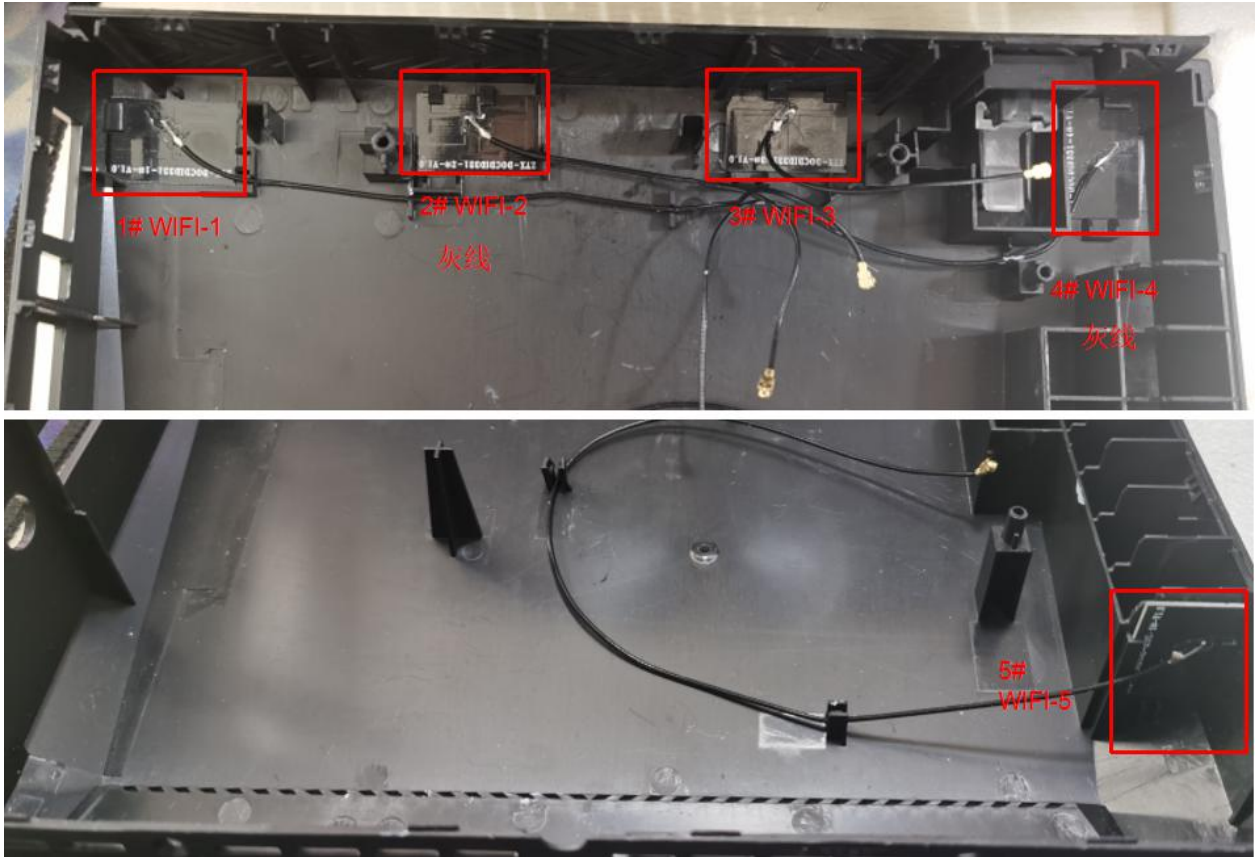
# ANTENNA SPECIFICATION

CUS P/N :NE6037 (TS30) 2#  
ZTX P/N :NE6037 (TS30) 2#

ApplicationDate:SEP,19,2022  
Editor:

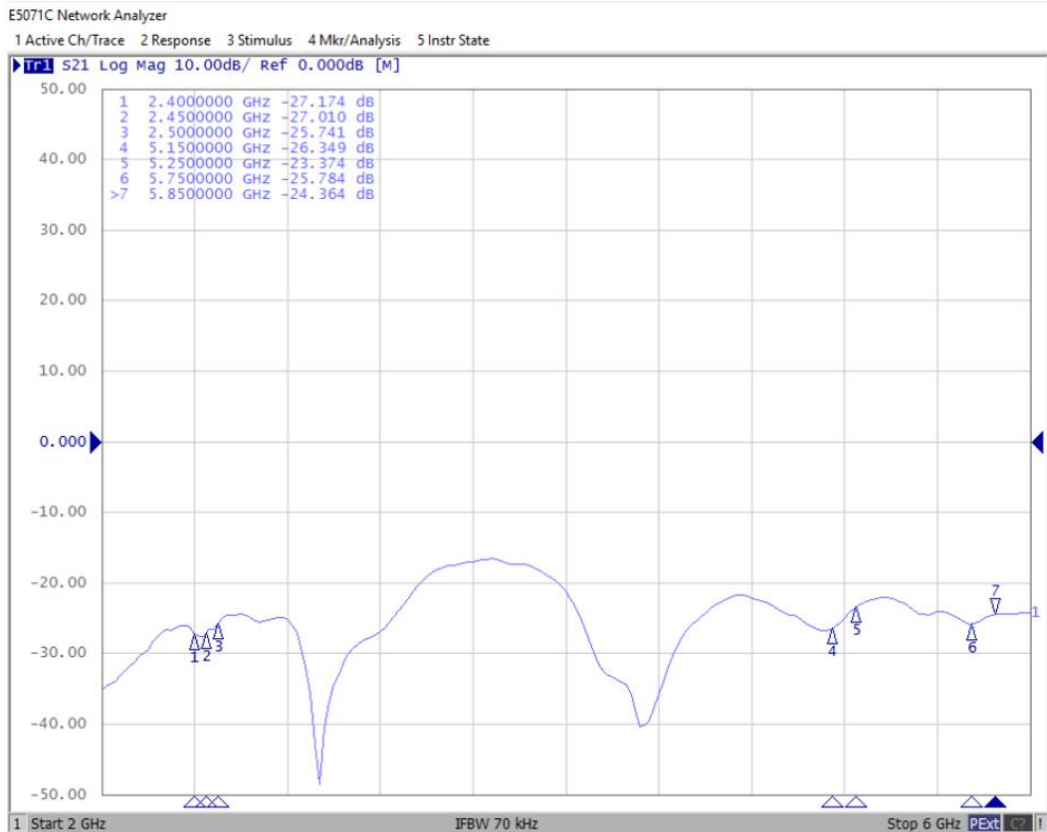
Rev: R:A0  
Page 9 of 11

## 3-5 Environment treatment



## 3-6 Antenna isolation

### WIFI-1&WIFI-2



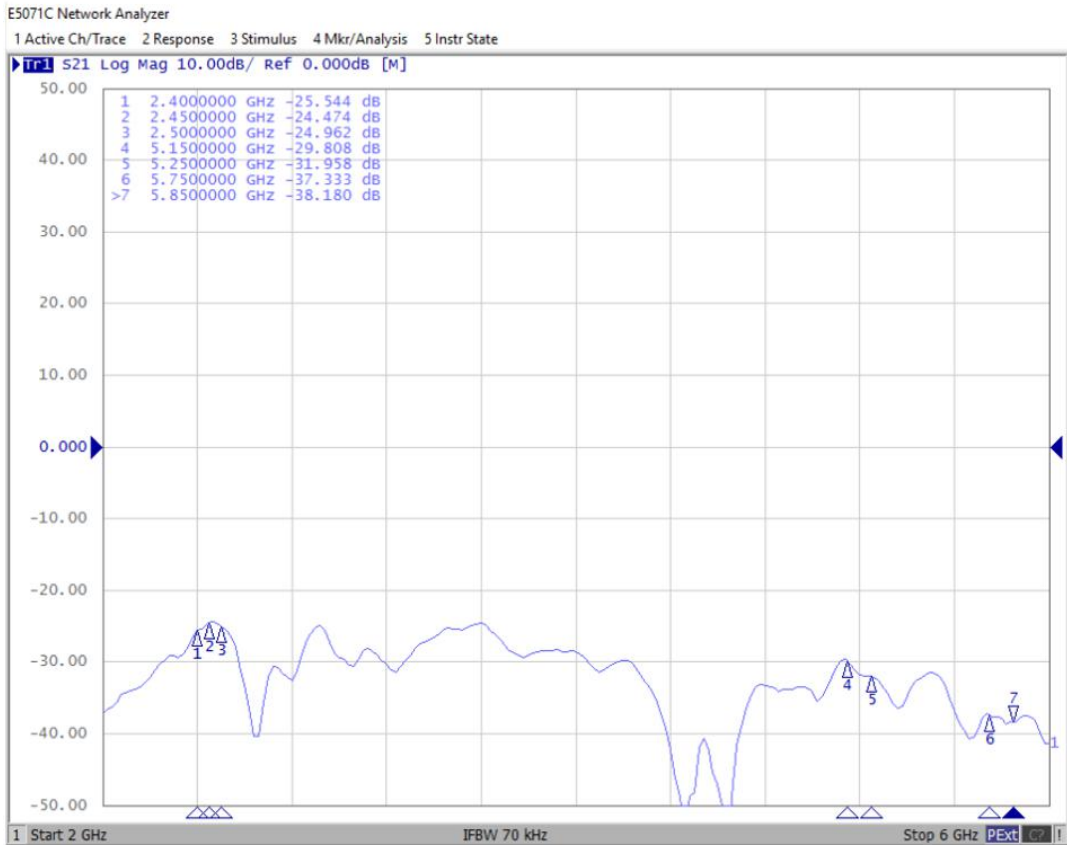
# ANTENNA SPECIFICATION

CUS P/N :NE6037 (TS30) 2#  
ZTX P/N :NE6037 (TS30) 2#

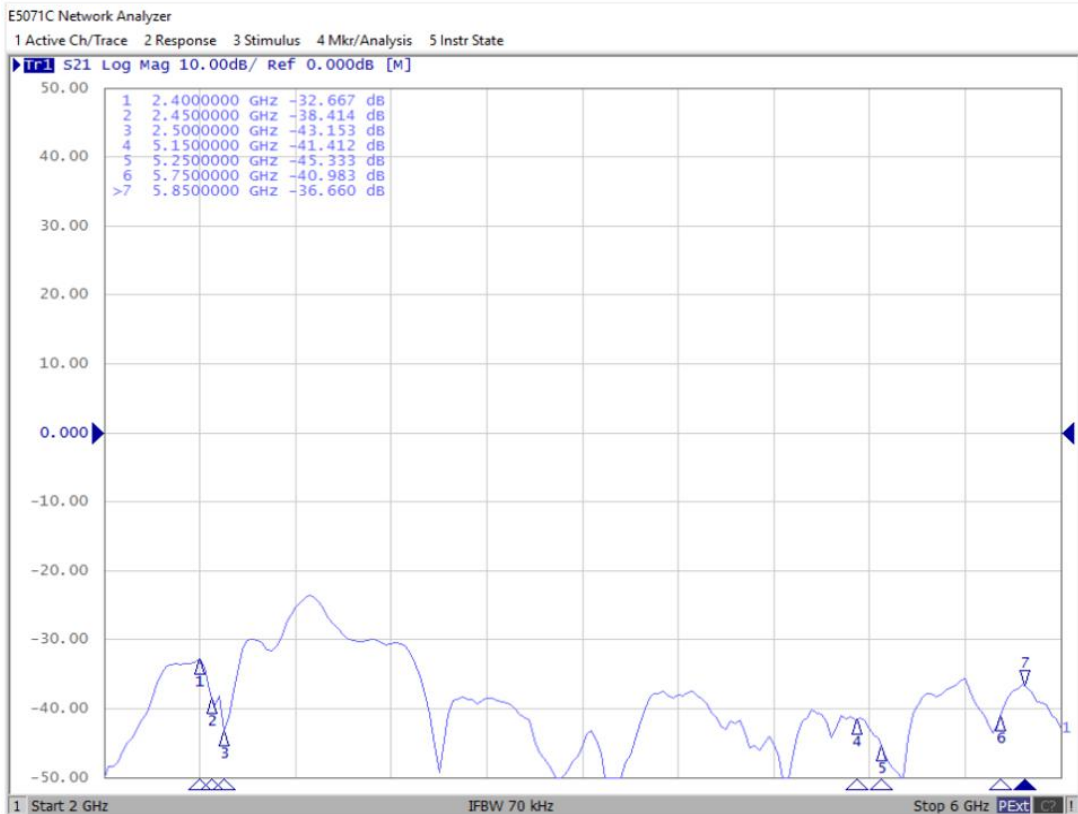
ApplicationDate:SEP,19,2022  
Editor:

Rev: R:A0  
Page 10 of 11

## WIFI-2&WIFI-3



## WIFI-2&WIFI-4



# ANTENNA SPECIFICATION

CUS P/N :NE6037 (TS30) 2#

ApplicationDate:SEP,19,2022

Rev: R:A0

ZTX P/N :NE6037 (TS30) 2#

Editor:

Page 11 of 11

## WIFI-2&WIFI-5

E5071C Network Analyzer

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

