

# SPECIFICATION

## SHEET FOR APPROVAL

(Revision: R: A0)

CUSTOMER(客户名称)	通力
CS P/N(客户机种)	YY2087C
PART NAME(品名)	BTM_2#天线组件
MODEL NAME(型号名称)	
FREQUENCY(频率)	2400~2500MHz
ZTX NO.(物料编号)	2.00006592
DATE(日期)	2024-06-25

CUSTOMER			
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

Remark(备注):

Sign(客户确认签字盖章):

Shenzhen ZTX Communication Technology Co., Ltd				
MANAGER CHECKED	MANAGER CHECKED	ME CHECKED	RF CHECKED	LISTER
		覃乐	韦进	



Shenzhen ZTX Communication Technology Co., Ltd

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# ANTENNA SPECIFICATION

CUS P/N :YY2087C\_BTM\_2#天线组件

Application Date:Jun,25,2024

Rev: R:A0

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## Revision history

版本	日期	状态
A0	2024-06-25	初版

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# ANTENNA SPECIFICATION

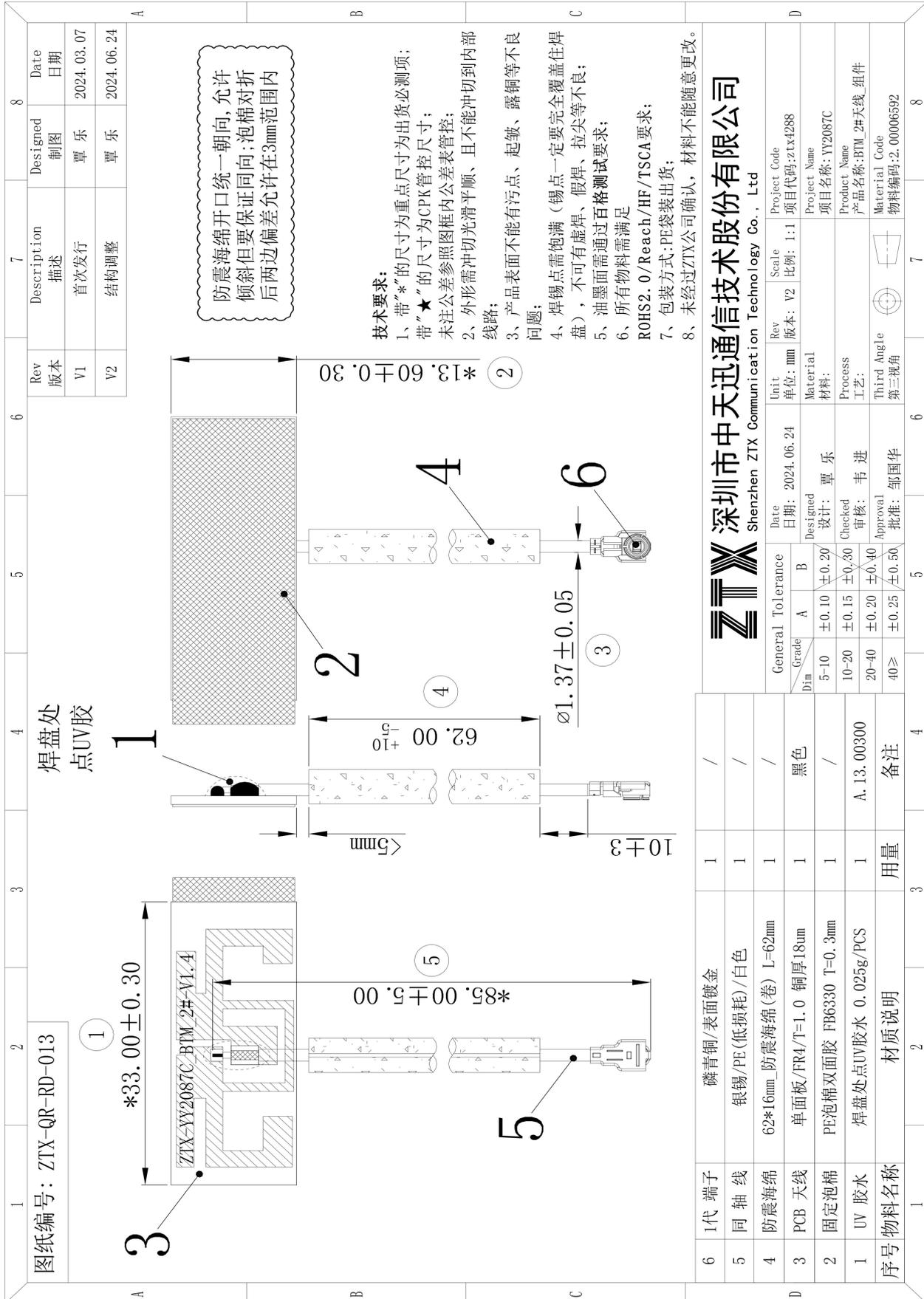
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## 1. Mechanical Specification

### 1-1 Mechanical Configuration (BTМ\_2#天线组件)



**ZTX** 深圳市中天迅通信技术股份有限公司  
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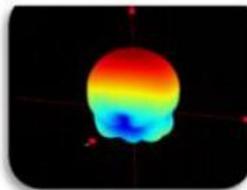
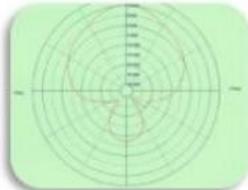
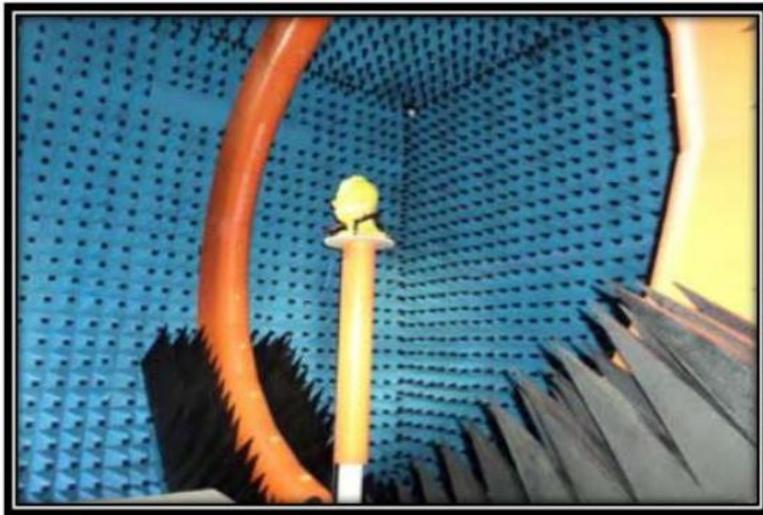
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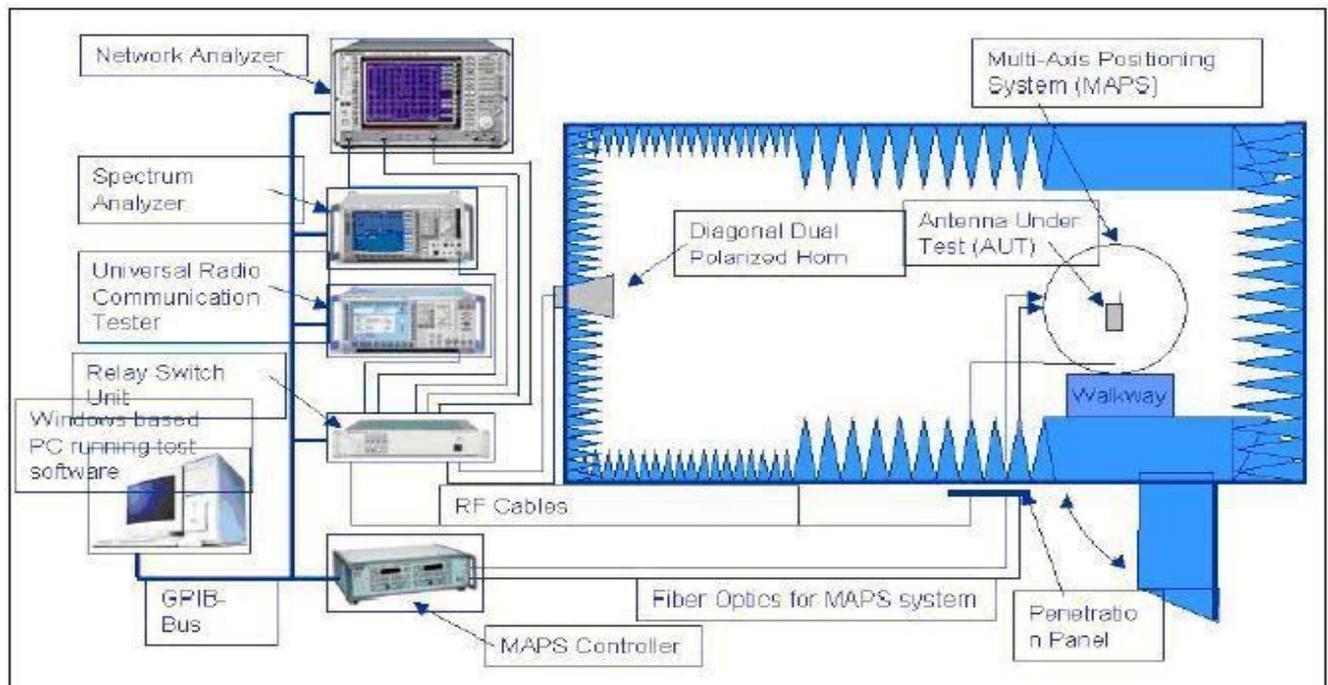
## 2.Test equipment



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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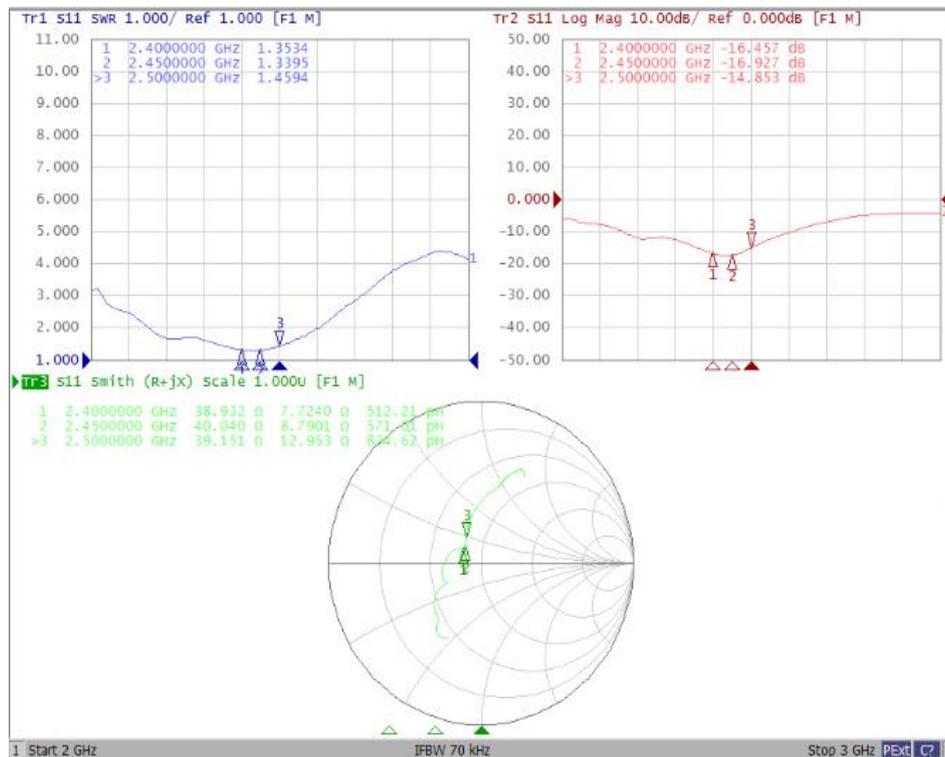
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## 2-1 Active Test

BT传导数据				
频段	模式	CH	功率	灵敏度
2.4G	(DH5)	0	8.2	-94
		39	8.2	-95
		78	8.2	-95

BT-OTA数据					
频段	模式	CH	TRP	MAX	TIS
2.4G	(DH5)	0	5.78	10.88	-91.12
		39	5.51	10.95	-92.68
		78	5.63	10.79	-92.34

## 2-2 VSWR&S11



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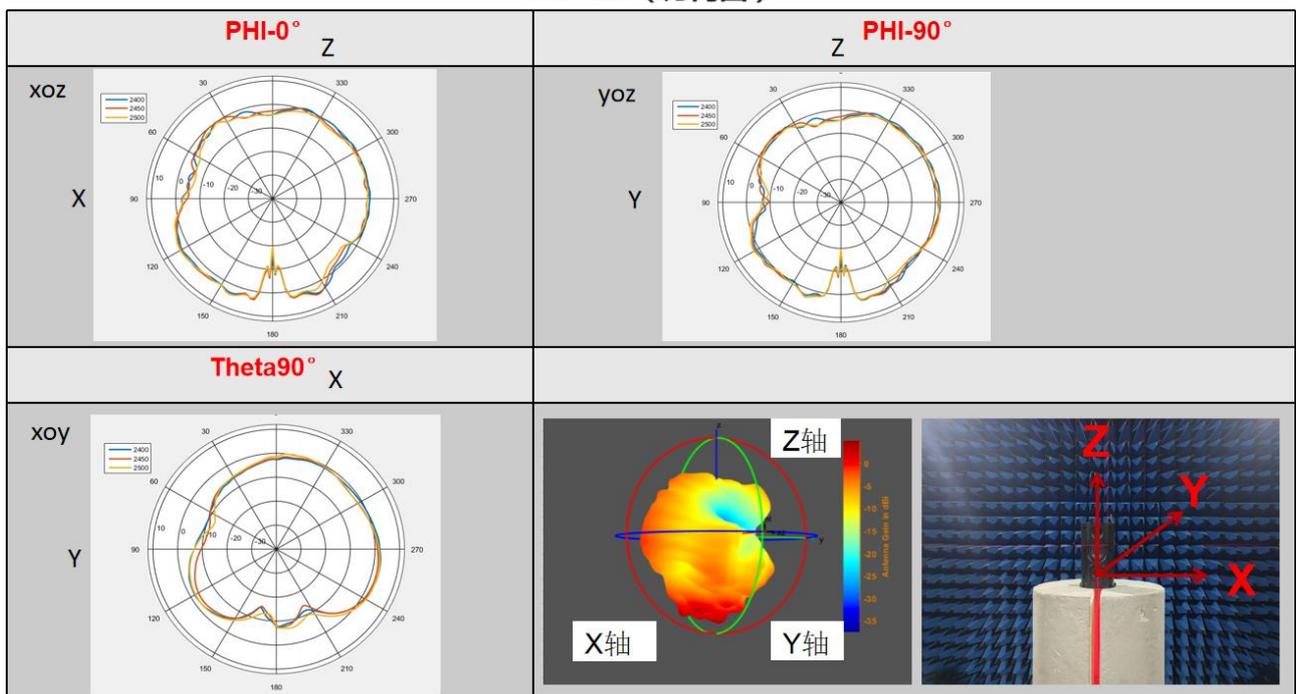
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## 2-3 Passive Test

Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	55%	-2.59	2.33
2410	55%	-2.57	2.55
2420	56%	-2.54	2.42
2430	55%	-2.57	2.45
2440	55%	-2.56	2.67
2450	56%	-2.53	2.43
2460	56%	-2.51	2.41
2470	56%	-2.52	2.29
2480	55%	-2.59	2.48
2490	53%	-2.72	2.46
2500	53%	-2.77	2.61

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

ANT 2# (方向图)



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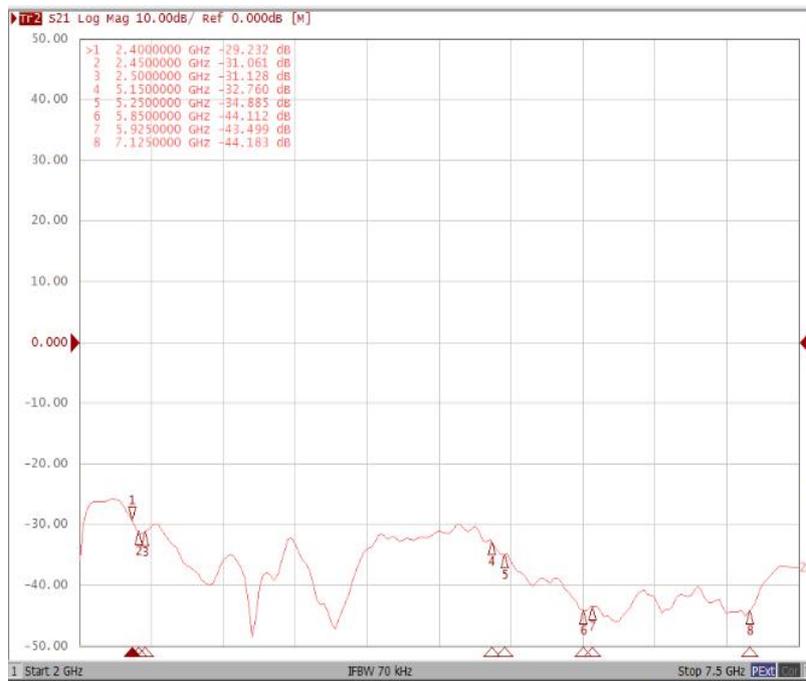
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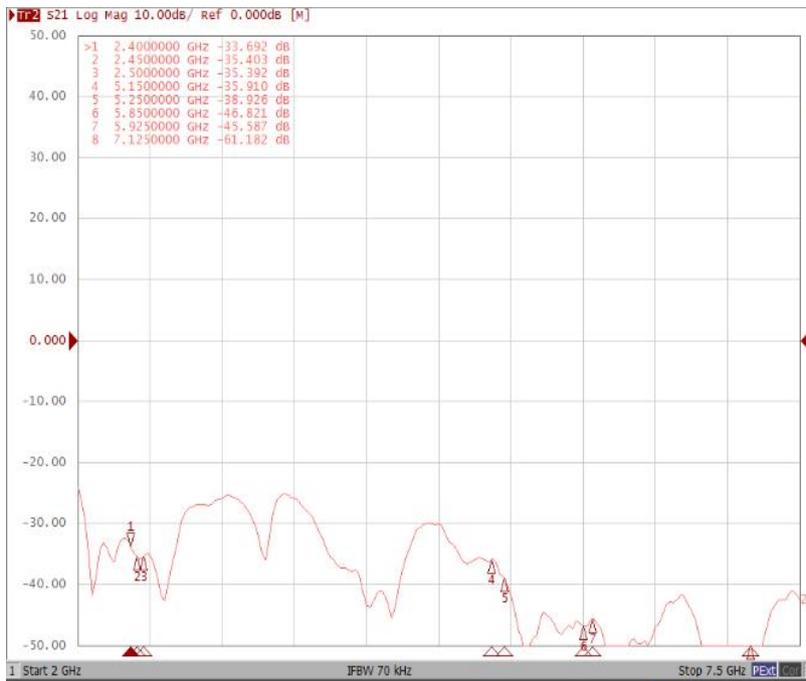
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## 2-5 insulation

ANT1&ANT2



Ant2&Ant3



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## 2-6 Environment treatment

