

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

CUSTOMER(客户名称)	Tonly	
CS P/N(客户机种)		
PART NAME(品名)	ZTX-AHC-BT 天线组件	
MODEL NAME(型号名称)	ZTX-AHC-BT-V03	
FREQUENCY(频率)	2400~2500MHz	
CUS.P/N(客户料号)		
ZTX NO.(物料编号)	2.00001692	
DATE(日期)	2025-07-03	

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
2025.07.03		覃乐	韦进	

研发专用章



Shenzhen ZTX 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 :
ZTX P/N :AHC-BT-V03

Application Date:Jul,03,2025
Editor:
Rev: R:A0
Page 1 of 6

Revision history

版本	日期	状态
A0	2025-07-03	初版

ANTENNA SPECIFICATION

CUS P/N :

Application Date:Jul,03,2025

Rev: R:A0

ZTX P/N :AHC-BT-V03

Editor:

Page 2 of 6

Index

		Revision history	1
		Index	2
1		Mechanical Specification	3
	1-1	Mechanical Specification (BT 天线组件)	3
2		Test equipment	4
	2-1	Passive Test	5
	2-2	2D/3D Radiation Pattern Results	6

ANTENNA SPECIFICATION

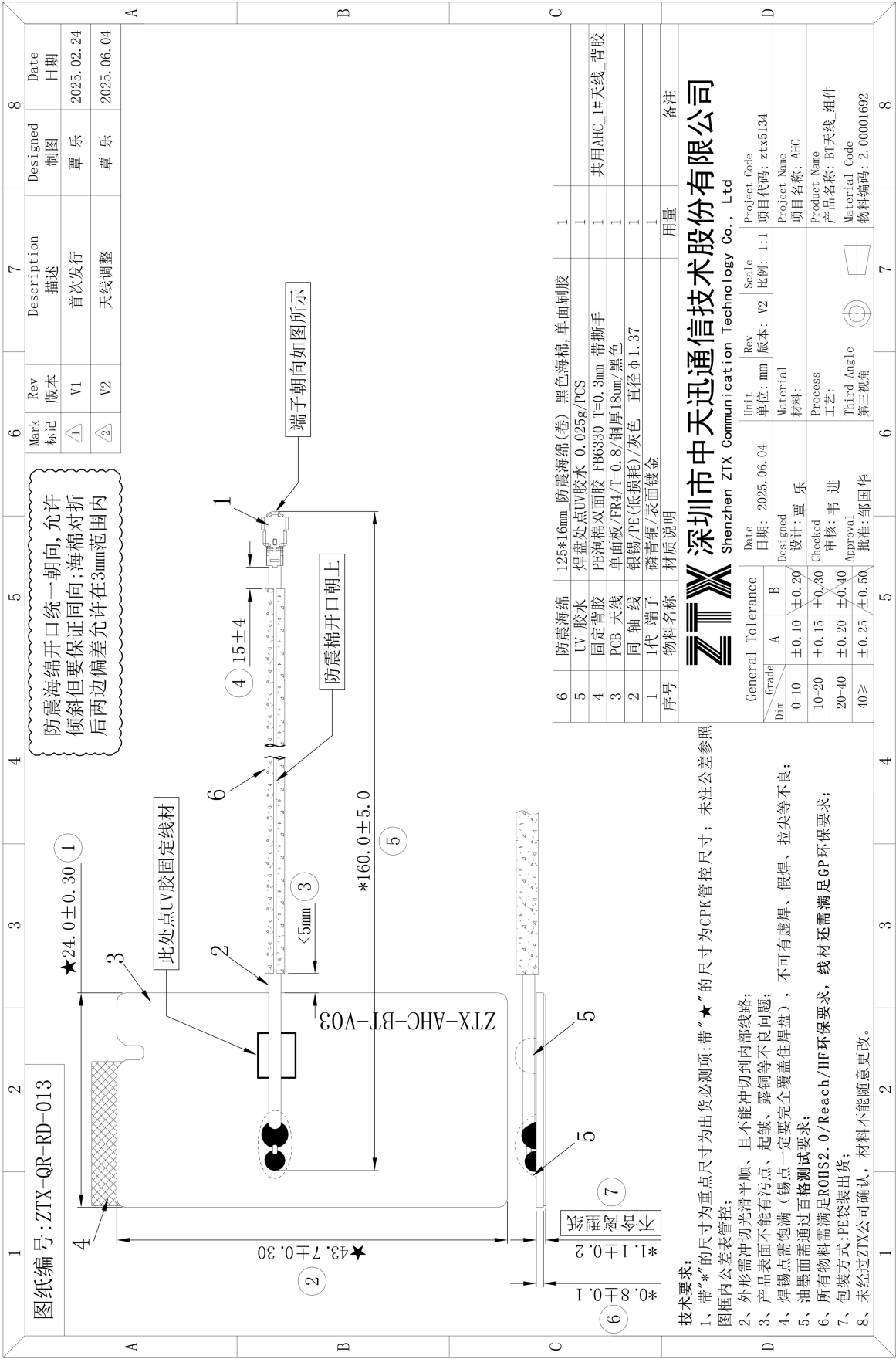
CUS P/N :
ZTX P/N :AHC-BT-V03

Application Date:Jul,03,2025
Editor:

Rev: R:A0
Page 3 of 6

1. Mechanical Specification

1-1 Mechanical Configuration (BT 天线组件)



技术要求:

1、带“★”的尺寸为重点尺寸, 带“★”的尺寸为CPK管控尺寸; 未注公差参照图框内公差表管控;

2、外形需冲切光滑平顺、且不能冲切到内部线路;

3、产品表面不能有污点、起皱、露铜等不良问题;

4、焊锡面需饱满(锡点一定要完全覆盖住焊盘), 不可有虚焊、假焊、拉尖等不良;

5、油漆面需通过百格测试要求;

6、所有物料需满足ROHS2.0/Reach/HF环保要求, 线材还需满足GP环保要求;

7、包装方式: PE袋装出货;

8、未经过ZTX公司确认, 材料不能随意更改。

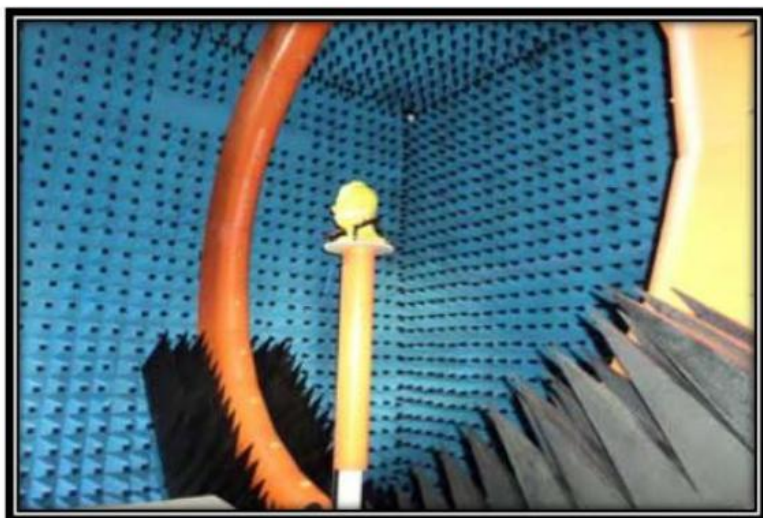
ANTENNA SPECIFICATION

CUS P/N :
ZTX P/N :AHC-BT-V03

Application Date:Jul,03,2025
Editor:

Rev: R:A0
Page 4 of 6

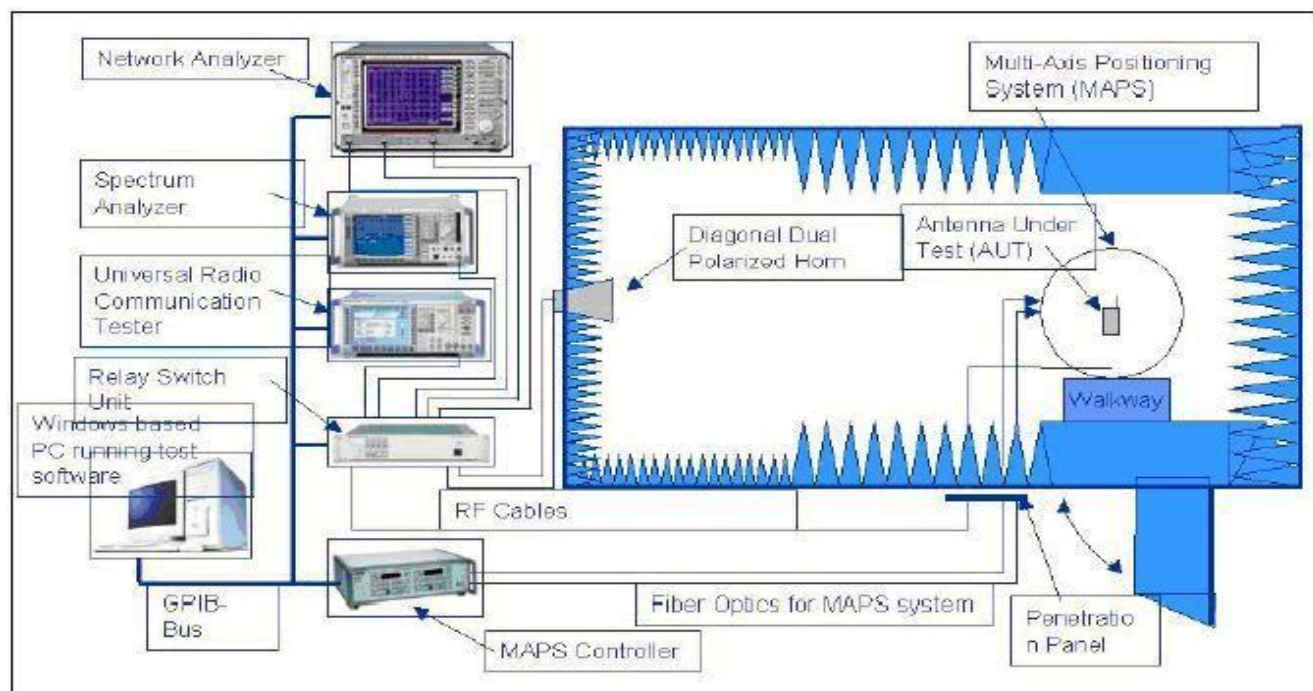
2.Test equipment



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 :
ZTX P/N :AHC-BT-V03

Application Date:Jul,03,2025
Editor:

Rev: R:A0
Page 5 of 6

2-1 Passive Test

Frequency (MHz)	Efficiency(%)	Efficiency (dB)	Gain (dBi)
2400	52%	-2.84	3.11
2410	53%	-2.76	3.12
2420	53%	-2.76	3.08
2430	54%	-2.68	3.11
2440	55%	-2.60	3.15
2450	54%	-2.68	3.16
2460	54%	-2.68	3.09
2470	53%	-2.76	3.13
2480	54%	-2.68	3.14
2490	53%	-2.76	3.12
2500	53%	-2.76	3.15

ANTENNA SPECIFICATION

CUS P/N :
ZTX P/N :AHC-BT-V03

Application Date:Jul,03,2025
Editor:

Rev: R:A0
Page 6 of 6

2-2 2D/3D Radiation Pattern Results

2.4G

