

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-AHS-Ant-1#天线组件	
MODEL NAME(型号名称)	ZTX-AHS-Ant-1#-V03	
FREQUENCY(频率)	2400~2500/5150~5950/6000~6950/7000~7150MHz	
CUS.P/N(客户料号)		
ZTX NO.(物料编号)	2.00001693	
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 研发专用章		覃乐	江博厚	



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 :

Application Date:Jul,03,2025

Rev: R:A0

ZTX P/N :AHS-Ant-1#-V03

Editor:

Page 1 of 8

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 :AHS-Ant-1#-V03

Editor:

Page 2 of 8

Index

		Revision history	1
		Index	2
1		Mechanical Specification	3
	1-1	Mechanical Specification（1#天线组件）	3
2		Test equipment	4
	2-1	Passive Test	5
	2-2	2D/3D Radiation Pattern Results	6~8

ANTENNA SPECIFICATION

Application Date:Jul,03,2025

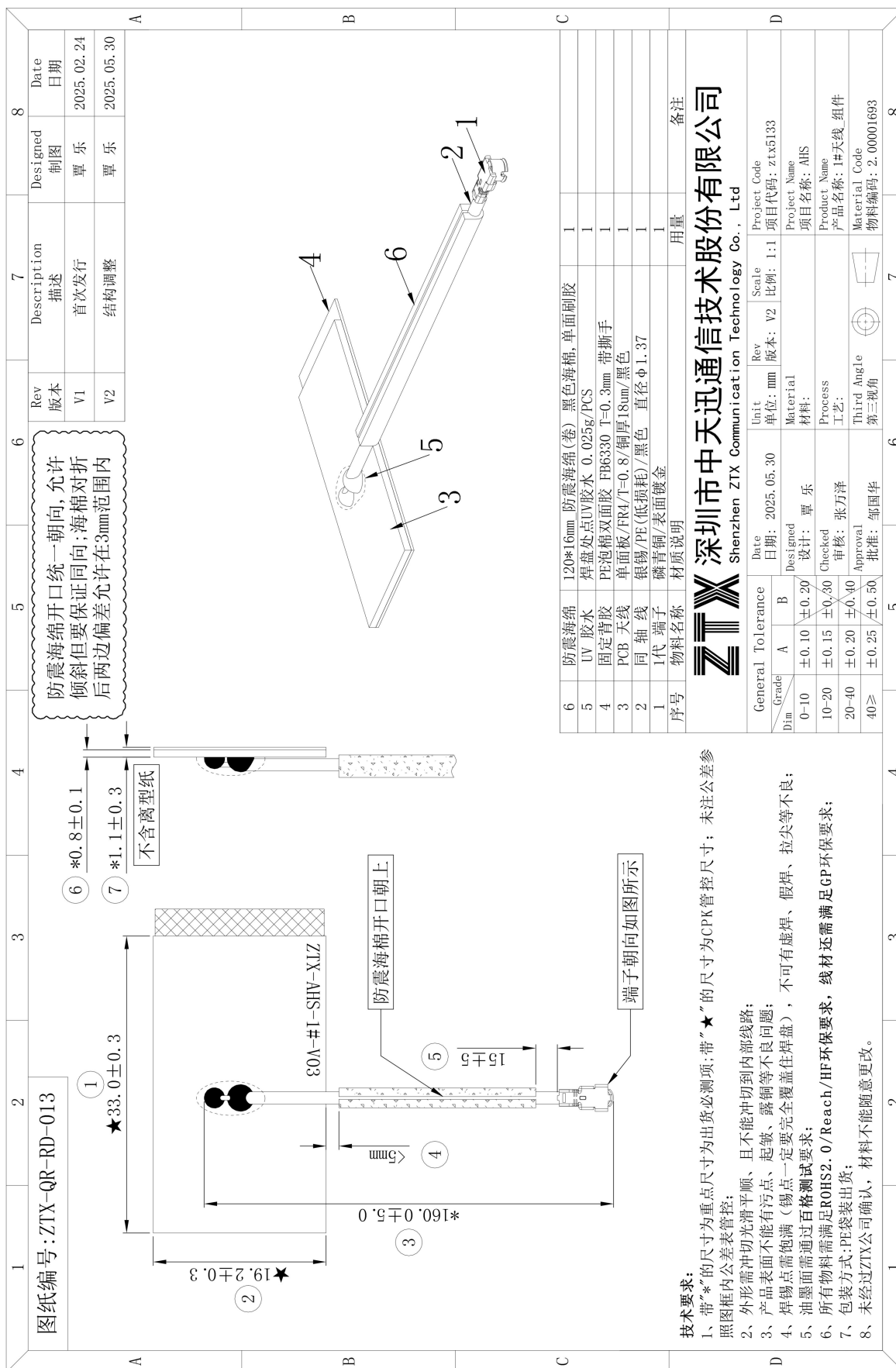
Rev: R:A0

Editor:

Page 3 of 8

1. Mechanical Specification

1-1 Mechanical Configuration (1#天线组件)



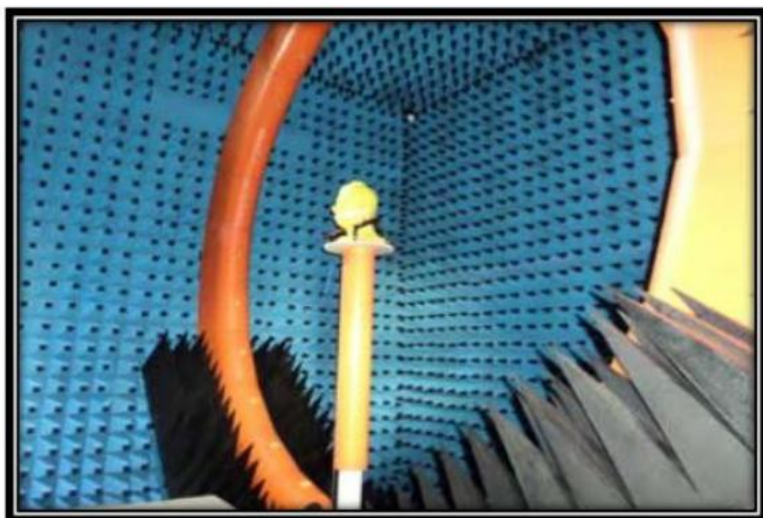
ANTENNA SPECIFICATION

CUS P/N :
ZTX P/N :AHS-Ant-1#-V03

Application Date:Jul,03,2025
Editor:

Rev: R:A0
Page 4 of 8

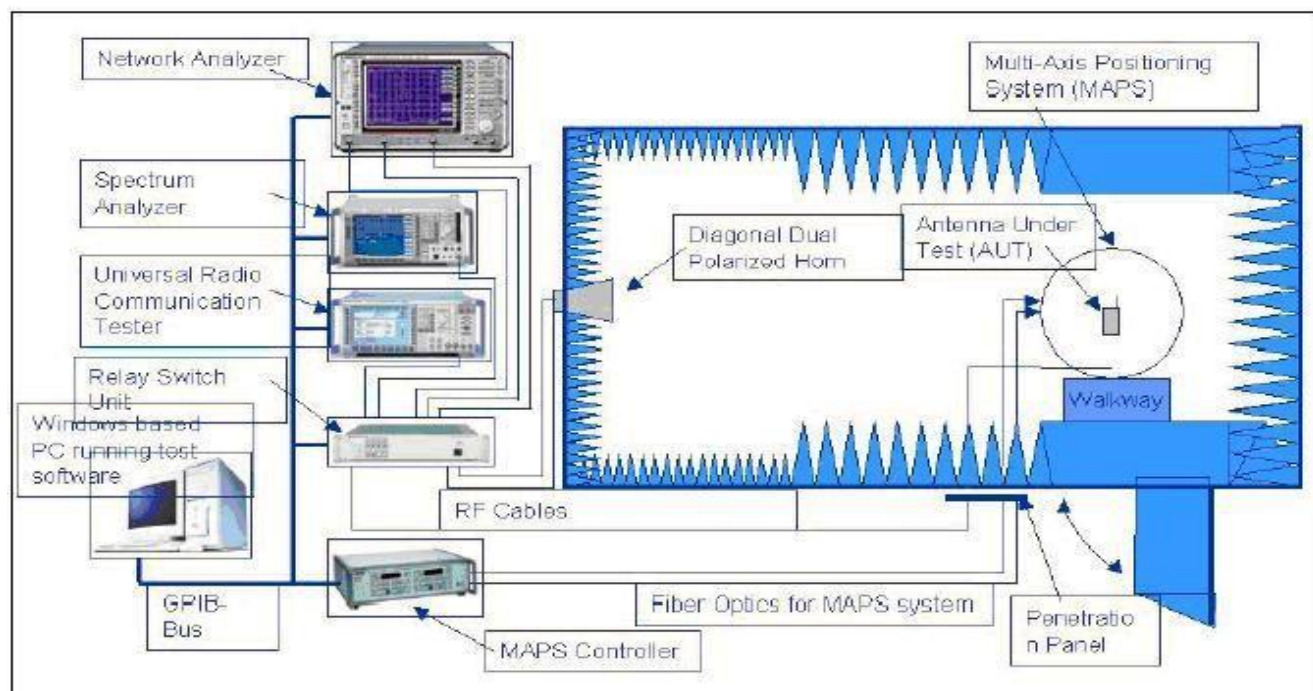
2.Test equipment



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 :AHS-Ant-1#-V03

Application Date:Jul,03,2025
Editor:

Rev: R:A0
Page 5 of 8

2-1 Passive Test

Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)	Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	57%	-2.44	3.32	5925	46%	-3.40	3.47
2410	57%	-2.44	3.16	5975	46%	-3.33	3.5
2420	56%	-2.52	3.08	6025	45%	-3.45	3.41
2430	55%	-2.60	3.4	6075	44%	-3.54	2.89
2440	55%	-2.60	3.75	6125	42%	-3.72	2.86
2450	56%	-2.52	3.8	6175	43%	-3.65	2.72
2460	56%	-2.52	3.78	6225	43%	-3.70	2.94
2470	56%	-2.52	3.5	6275	43%	-3.67	3.05
2480	56%	-2.52	3.84	6325	42%	-3.77	3.68
2490	56%	-2.52	3.7	6375	44%	-3.62	3.68
2500	55%	-2.60	3.62	6425	46%	-3.33	3.9
5150	45%	-3.49	3.58	6475	46%	-3.38	2.85
5200	45%	-3.51	3.21	6525	45%	-3.44	3
5250	45%	-3.49	3.12	6575	45%	-3.45	3.58
5300	45%	-3.50	3.49	6625	47%	-3.31	3.2
5350	44%	-3.59	3.44	6675	46%	-3.40	3.36
5400	45%	-3.44	3.53	6725	45%	-3.49	3.24
5450	45%	-3.52	3.44	6775	45%	-3.47	3.01
5500	45%	-3.45	3.7	6825	44%	-3.57	2.56
5550	45%	-3.43	3.71	6875	43%	-3.62	2.43
5600	46%	-3.39	3.08	6925	42%	-3.76	2.47
5650	45%	-3.43	3.39	6975	42%	-3.78	2.49
5700	45%	-3.45	3.08	7025	45%	-3.51	2.9
5750	44%	-3.53	3.04	7075	45%	-3.48	3.38
5800	46%	-3.42	3.55	7125	44%	-3.56	3.53
5850	45%	-3.46	3.68				

ANTENNA SPECIFICATION

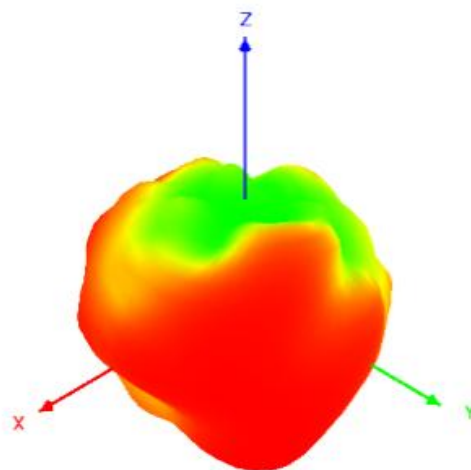
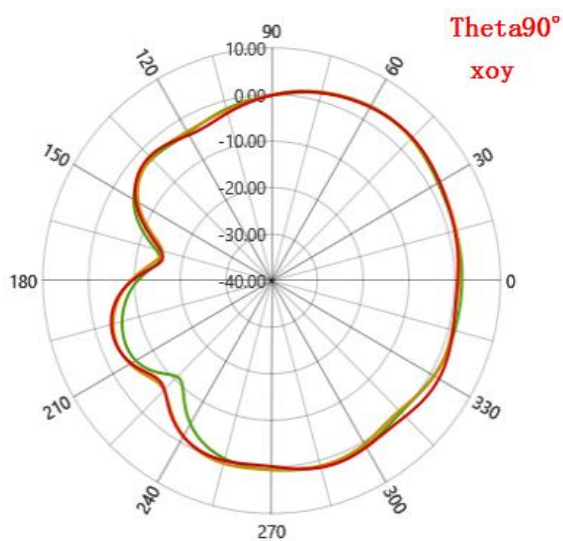
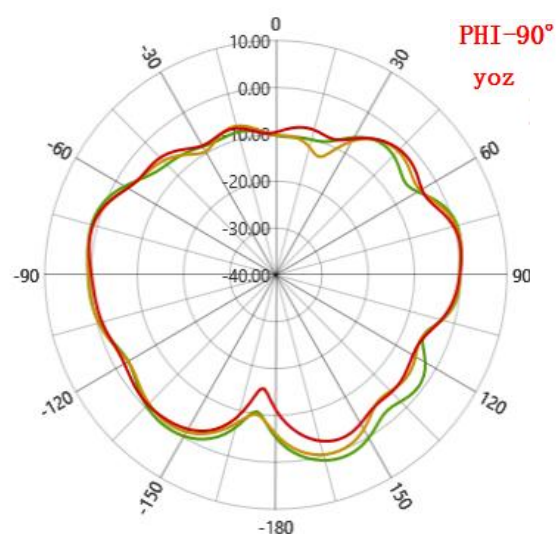
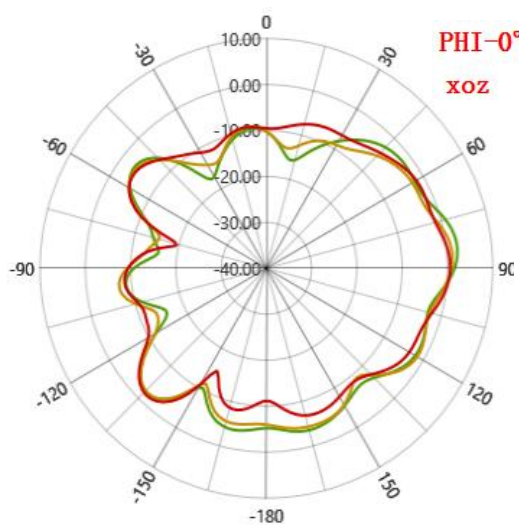
CUS P/N :
ZTX P/N :AHS-Ant-1#-V03

Application Date:Jul,03,2025
Editor:

Rev: R:A0
Page 6 of 8

2-2 2D/3D Radiation Pattern Results

2.4G



ANTENNA SPECIFICATION

CUS P/N :

ZTX P/N :AHS-Ant-1#-V03

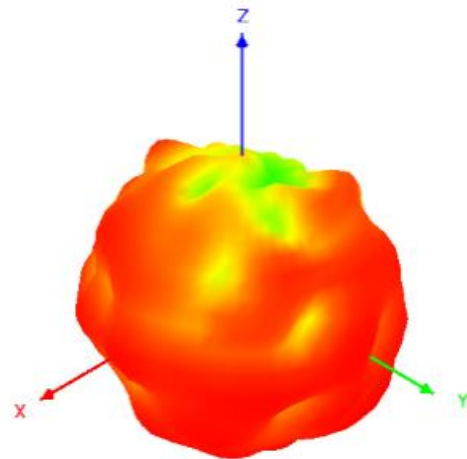
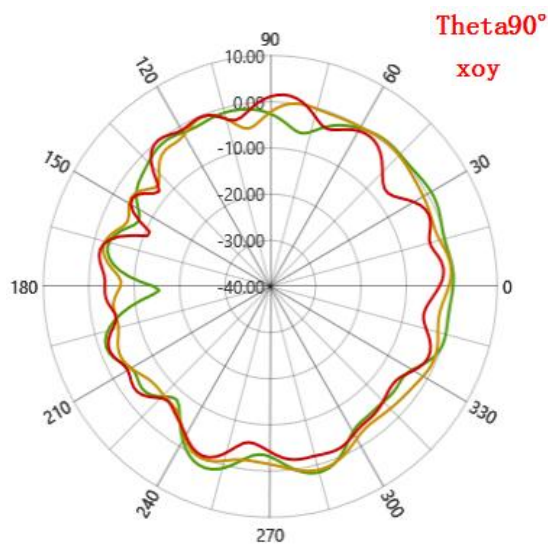
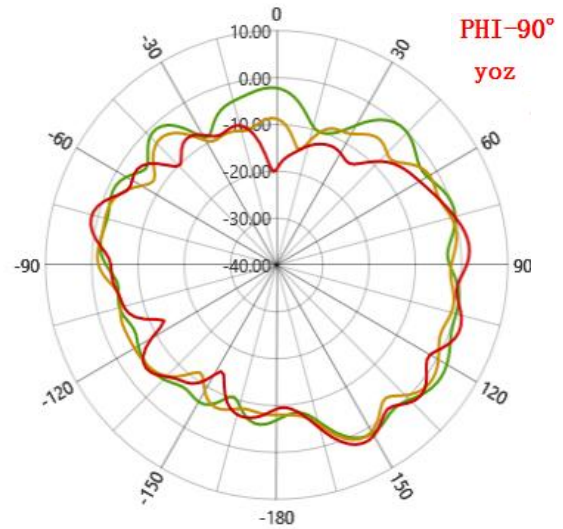
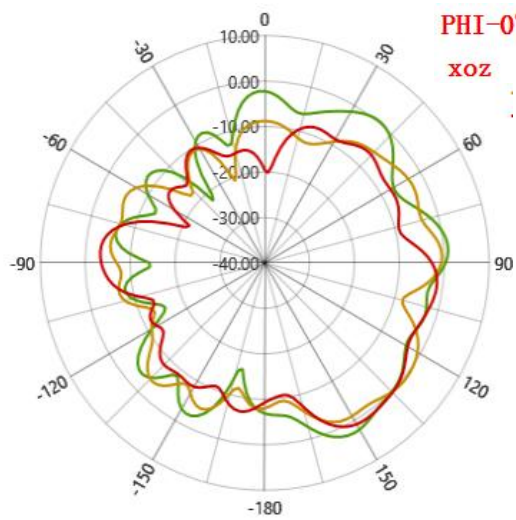
Application Date:Jul,03,2025

Editor:

Rev: R:A0

Page 7 of 8

5G



ANTENNA SPECIFICATION

CUS P/N :
ZTX P/N :AHS-Ant-1#-V03

Application Date:Jul,03,2025
Editor:

Rev: R:A0
Page 8 of 8

6G

