

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-SWH3-WIFI-1 天线组件	
MODEL NAME(型号名称)	ZTX-SWH3-WIFI-1-V02	
FREQUENCY(频率)	2400~2500/5150~5975/6025~6975/7025~7125MHz	
CUS.P/N(客户料号)		
ZTX NO.(物料编号)	2.00001705	
DATE(日期)	2025-07-02	

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 2025-07-02 研发专用章	MANAGER CHECKED	ME CHECKED 覃乐	RF CHECKED 刘翠琳	LISTER



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ANTENNA SPECIFICATION

CUS P/N :

ZTX P/N :SWH3-WIFI-1-V02

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Revision history

版本	日期	状态
A0	2025-07-02	初版

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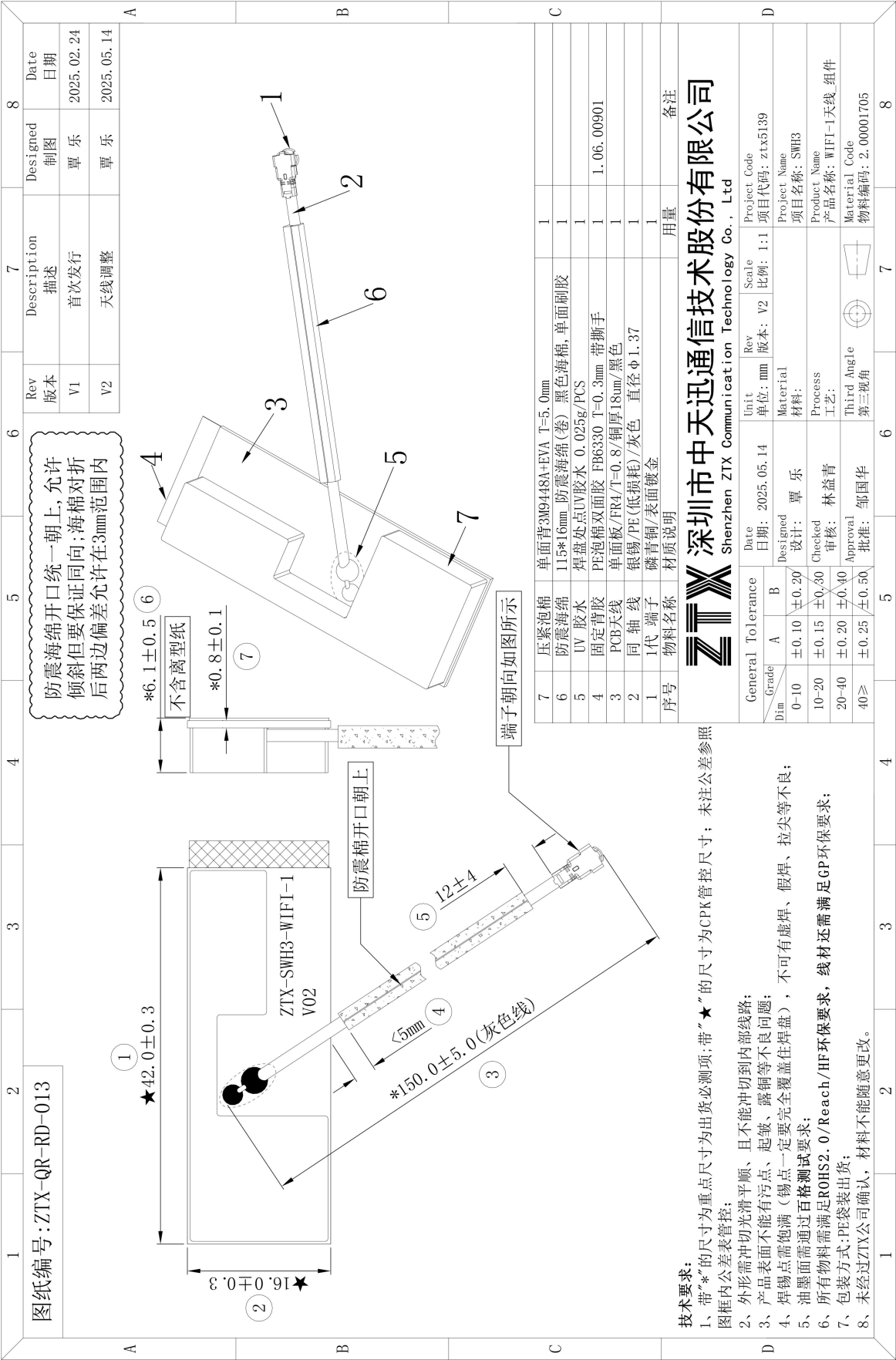
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1. Mechanical Specification

1-1 Mechanical Configuration (WIFI1 天线组件)



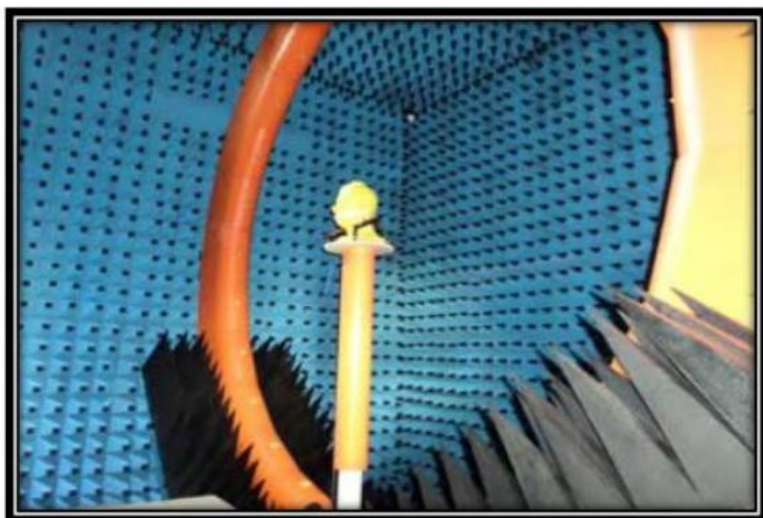
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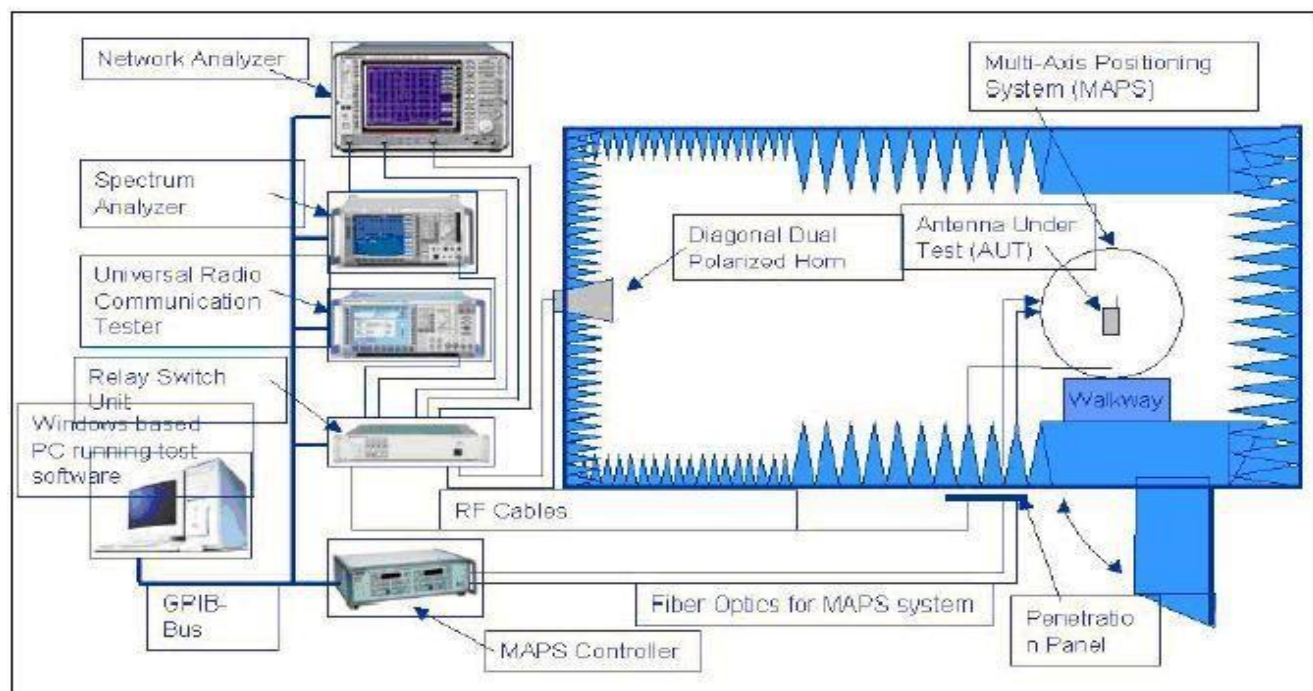
2.Test equipment



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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2-1 Passive Test

Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)	Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	47%	-3.28	2.68	5850	44%	-3.52	3.27
2410	48%	-3.16	2.85	5900	45%	-3.50	3.16
2420	47%	-3.27	2.85	5950	45%	-3.48	3.57
2430	49%	-3.06	2.78	6000	47%	-3.28	3.98
2440	49%	-3.09	2.73	6050	43%	-3.65	3.96
2442	49%	-3.07	2.69	6100	43%	-3.70	3.92
2450	48%	-3.15	2.39	6150	43%	-3.71	3.92
2460	48%	-3.15	2.40	6200	42%	-3.79	3.61
2470	49%	-3.12	2.62	6250	41%	-3.91	3.52
2480	48%	-3.17	2.76	6300	42%	-3.82	3.99
2484	48%	-3.19	2.56	6350	40%	-3.93	3.33
2490	48%	-3.22	2.86	6400	42%	-3.72	3.36
2500	49%	-3.11	2.81	6450	42%	-3.73	3.25
5150	48%	-3.20	2.71	6500	42%	-3.74	3.96
5200	44%	-3.59	3.27	6550	42%	-3.76	3.67
5250	43%	-3.65	2.98	6600	41%	-3.88	3.48
5300	44%	-3.58	3.35	6650	40%	-3.94	3.18
5350	44%	-3.57	3.85	6700	41%	-3.88	3.26
5400	44%	-3.55	3.90	6750	41%	-3.89	3.75
5450	45%	-3.43	3.98	6800	41%	-3.90	3.09
5500	43%	-3.63	3.98	6850	40%	-3.94	3.86
5550	44%	-3.59	3.70	6900	40%	-3.96	3.90
5600	43%	-3.62	3.24	6950	41%	-3.92	3.66
5650	44%	-3.59	2.94	7000	40%	-3.99	3.76
5700	44%	-3.57	2.82	7050	40%	-3.96	3.45
5750	45%	-3.49	3.00	7100	40%	-3.94	3.56
5800	45%	-3.44	3.29	7150	41%	-3.92	3.55

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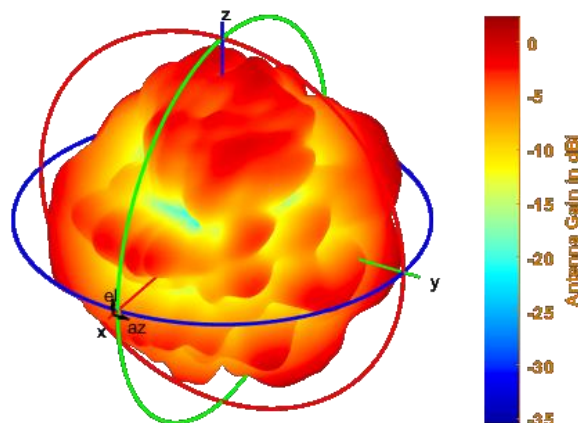
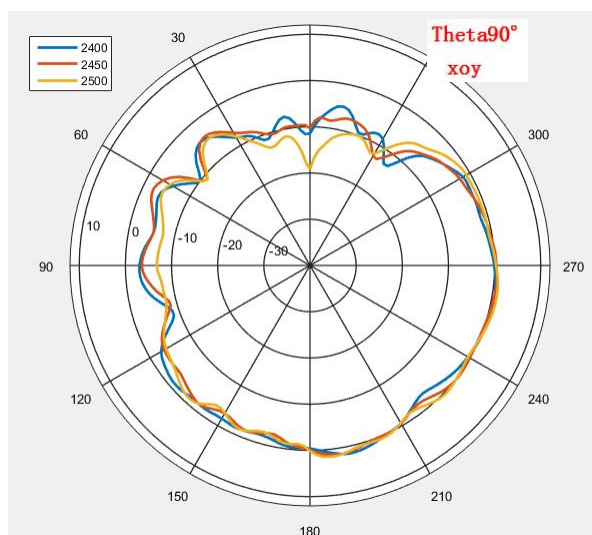
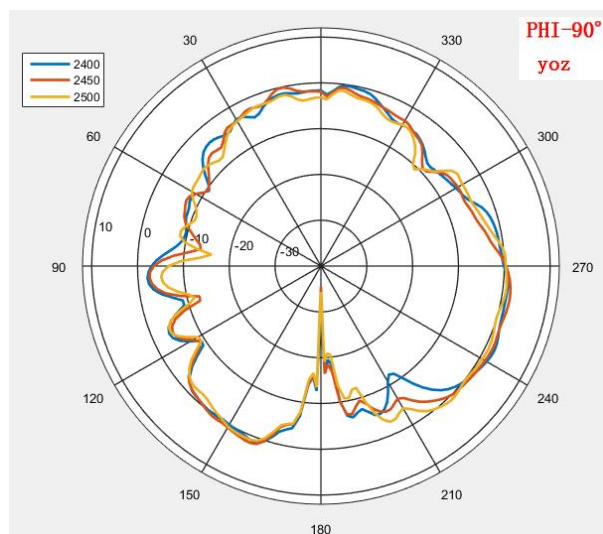
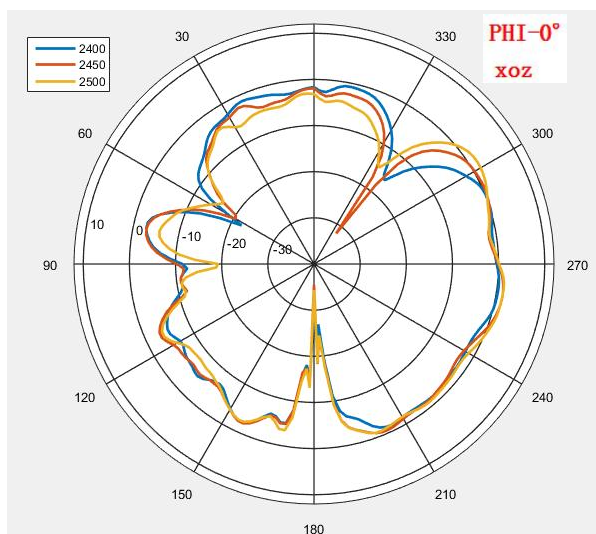
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2-2 2D/3D Radiation Pattern Results

2. 4G



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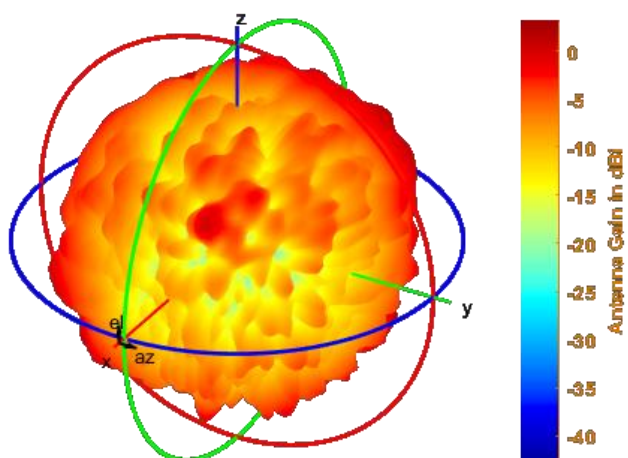
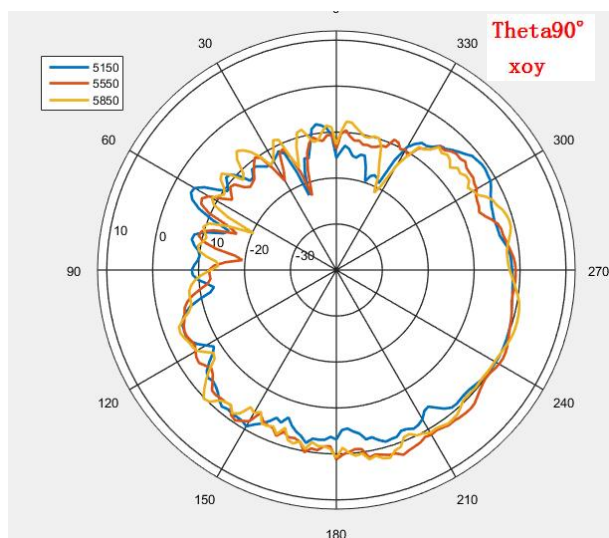
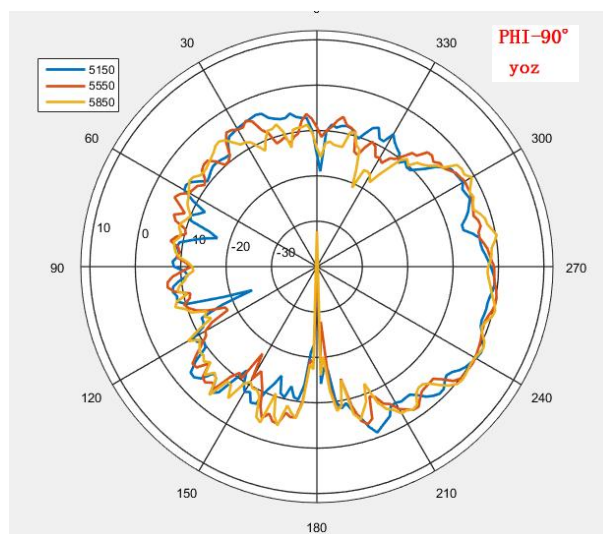
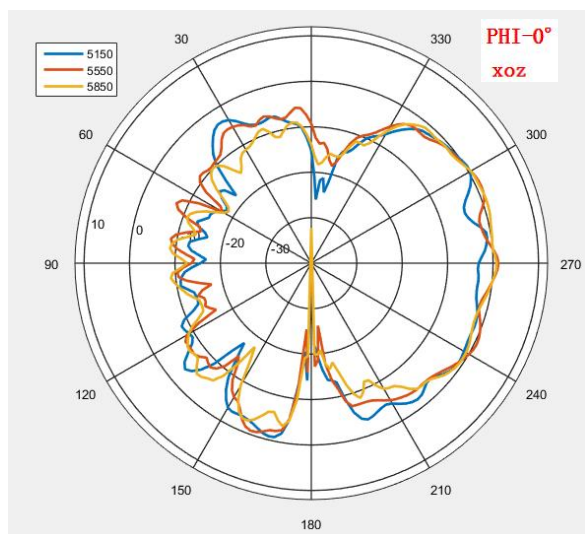
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