

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-SWH5-WIFI-0 天线组件	
MODEL NAME(型号名称)	ZTX-SWH5-WIFI-0-V02	
FREQUENCY(频率)	2400~2500/5150~5950/6025~6950/7000~7125MHz	
CUS.P/N(客户料号)		
ZTX NO.(物料编号)	2.00001722	
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	MANAGER CHECKED	ME CHECKED	RF CHECKED	LISTER
2025.07.02		覃乐	冯家能	



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ANTENNA SPECIFICATION

Revision history

版本	日期	状态
A0	2025-07-02	初版

ANTENNA SPECIFICATION

CUS P/N:

Application Date: Jul, 02, 2025

Rev: R:A0

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1. Mechanical Specification

1-1 Mechanical Configuration (WIFI0 天线组件)

[illegible]

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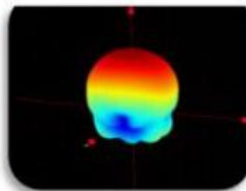
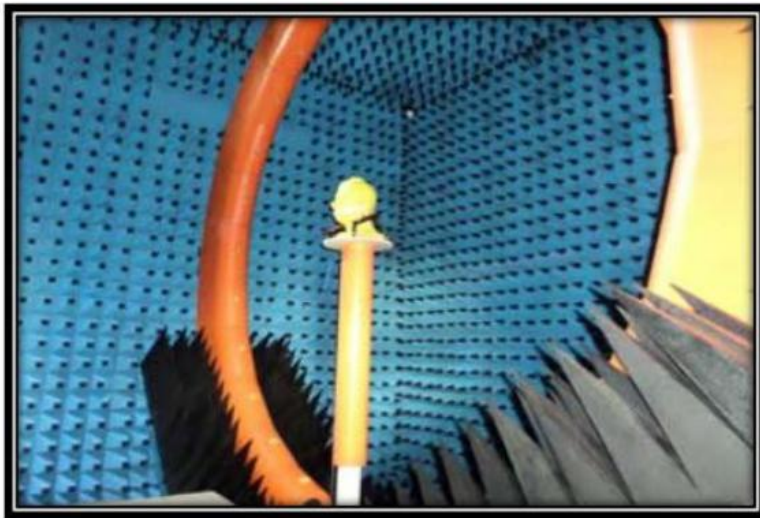
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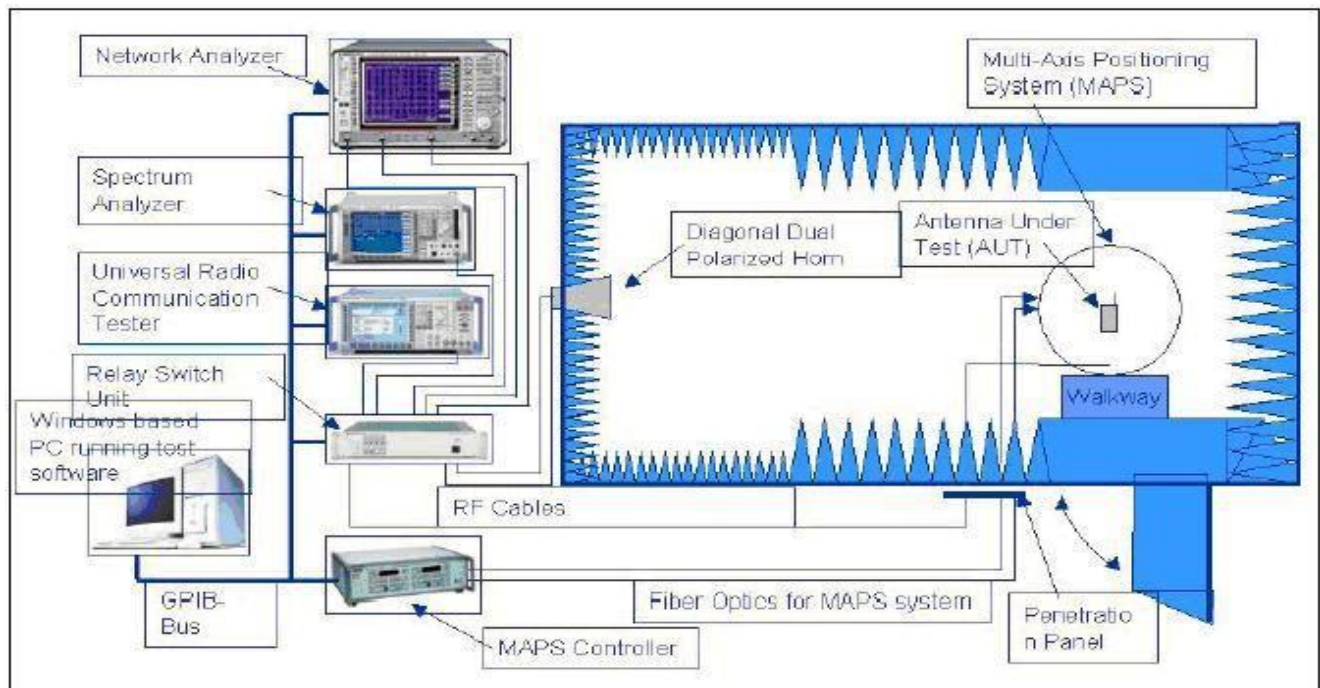
2.Test equipment



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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2-1 Passive Test

Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)	Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	40%	-3.97	2.23	5850	36%	-4.47	1.75
2410	42%	-3.82	2.68	5900	34%	-4.70	2.11
2420	42%	-3.79	2.12	5950	33%	-4.77	2.32
2430	42%	-3.80	2.33	6000	37%	-4.28	2.87
2440	44%	-3.61	2.44	6050	35%	-4.58	2.43
2442	42%	-3.75	2.72	6100	36%	-4.49	2.47
2450	44%	-3.54	2.75	6150	35%	-4.55	2.55
2460	40%	-3.99	2.12	6200	33%	-4.79	2.73
2470	41%	-3.92	2.02	6250	32%	-4.98	2.44
2480	41%	-3.88	2.34	6300	33%	-4.78	2.65
2484	43%	-3.67	2.81	6350	34%	-4.64	3.00
2490	43%	-3.64	1.75	6400	35%	-4.52	3.02
2500	43%	-3.65	2.13	6450	36%	-4.38	2.41
5150	33%	-4.79	1.98	6500	37%	-4.29	2.37
5200	32%	-4.89	1.86	6550	39%	-4.12	3.21
5250	34%	-4.75	1.79	6600	33%	-4.83	3.04
5300	35%	-4.55	2.15	6650	35%	-4.50	3.13
5350	36%	-4.44	3.01	6700	36%	-4.48	3.07
5400	37%	-4.35	2.14	6750	36%	-4.41	3.32
5450	37%	-4.31	2.73	6800	36%	-4.41	3.17
5500	38%	-4.19	2.53	6850	35%	-4.62	3.24
5550	38%	-4.24	2.85	6900	34%	-4.74	2.14
5600	38%	-4.25	2.73	6950	34%	-4.69	2.01
5650	36%	-4.40	2.21	7000	33%	-4.76	2.14
5700	37%	-4.36	2.01	7050	35%	-4.50	1.65
5750	35%	-4.52	1.55	7100	35%	-4.57	1.93
5800	37%	-4.33	1.68	7150	32%	-4.98	1.54

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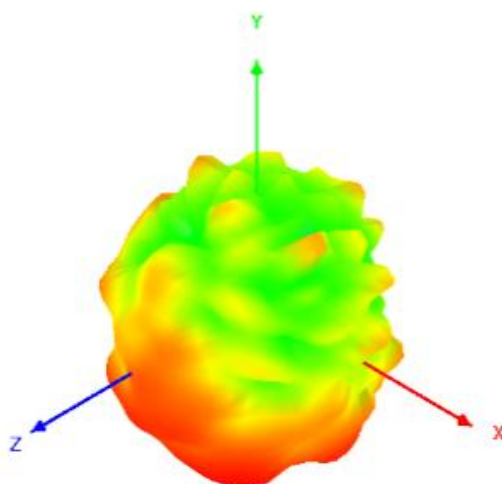
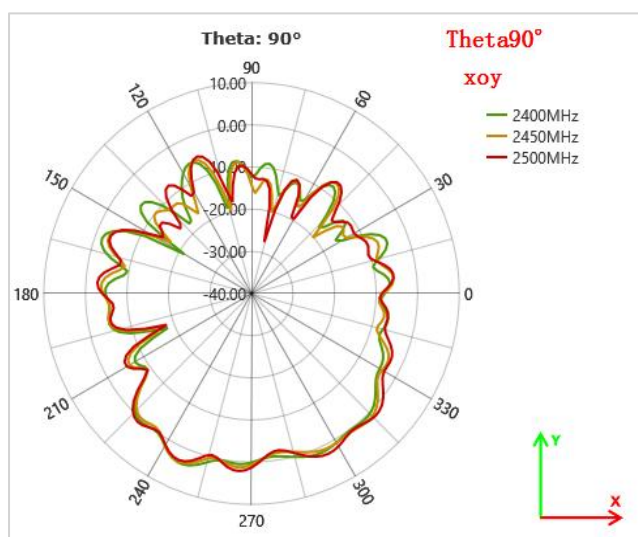
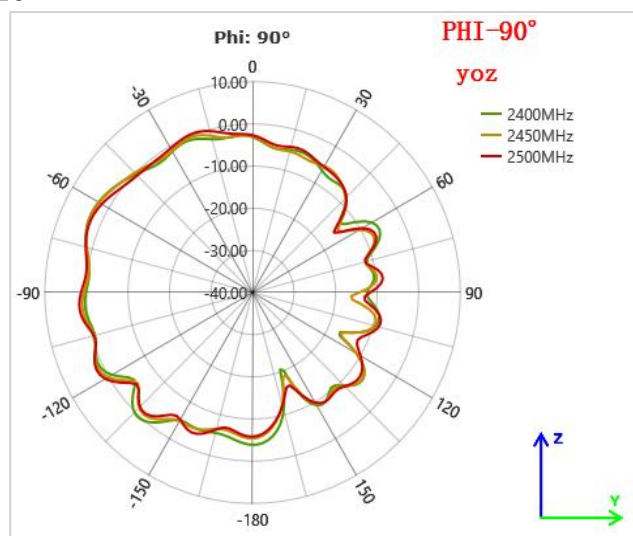
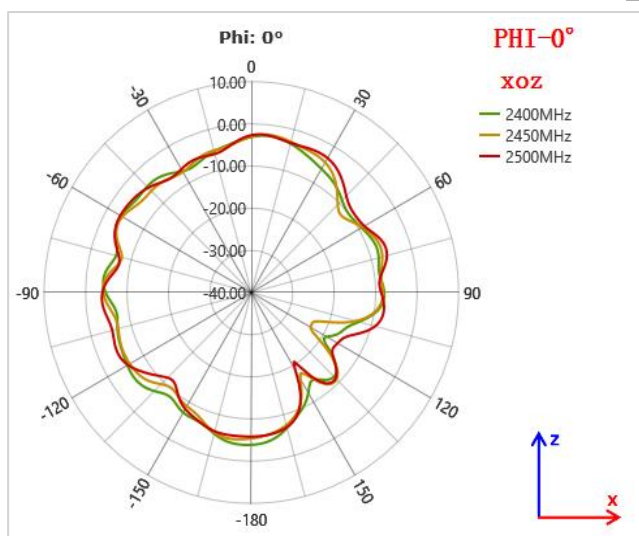
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2-2 2D/3D Radiation Pattern Results

2. 4G



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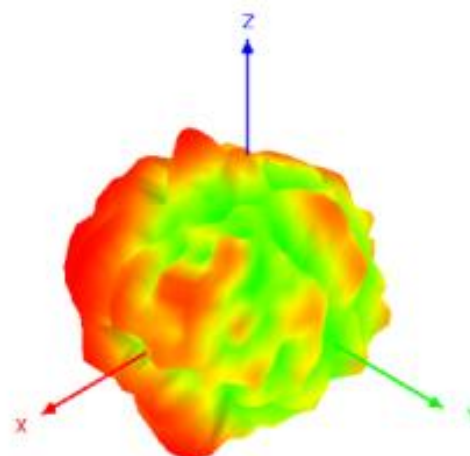
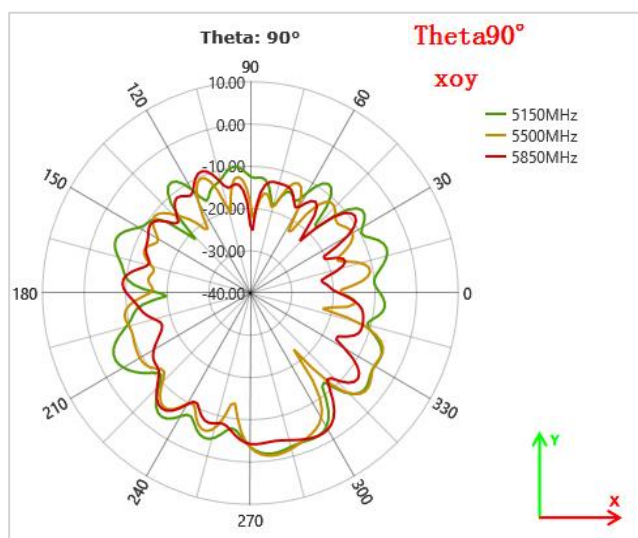
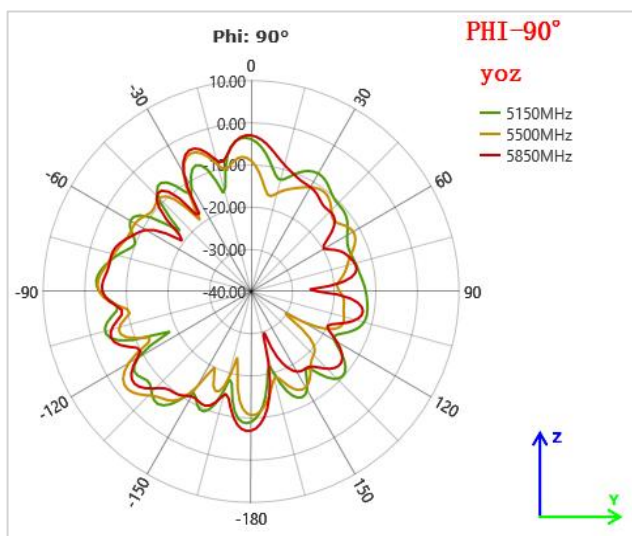
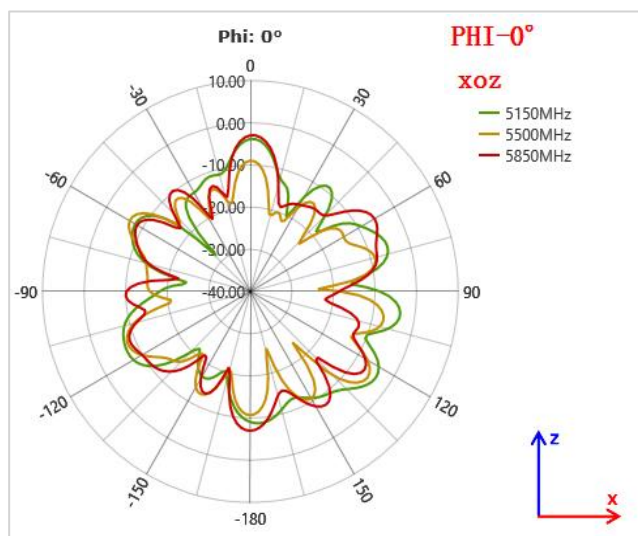
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