

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-RH5-WIFI1 天线组件	
MODEL NAME(型号名称)	ZTX-RH5-WIFI1-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)	2.00001698	
DATE(日期)	2025-06-27	

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
2025.06.27		覃乐	熊皓	

研发专用章



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Revision history

版本	日期	状态
A0	2025-06-27	初版

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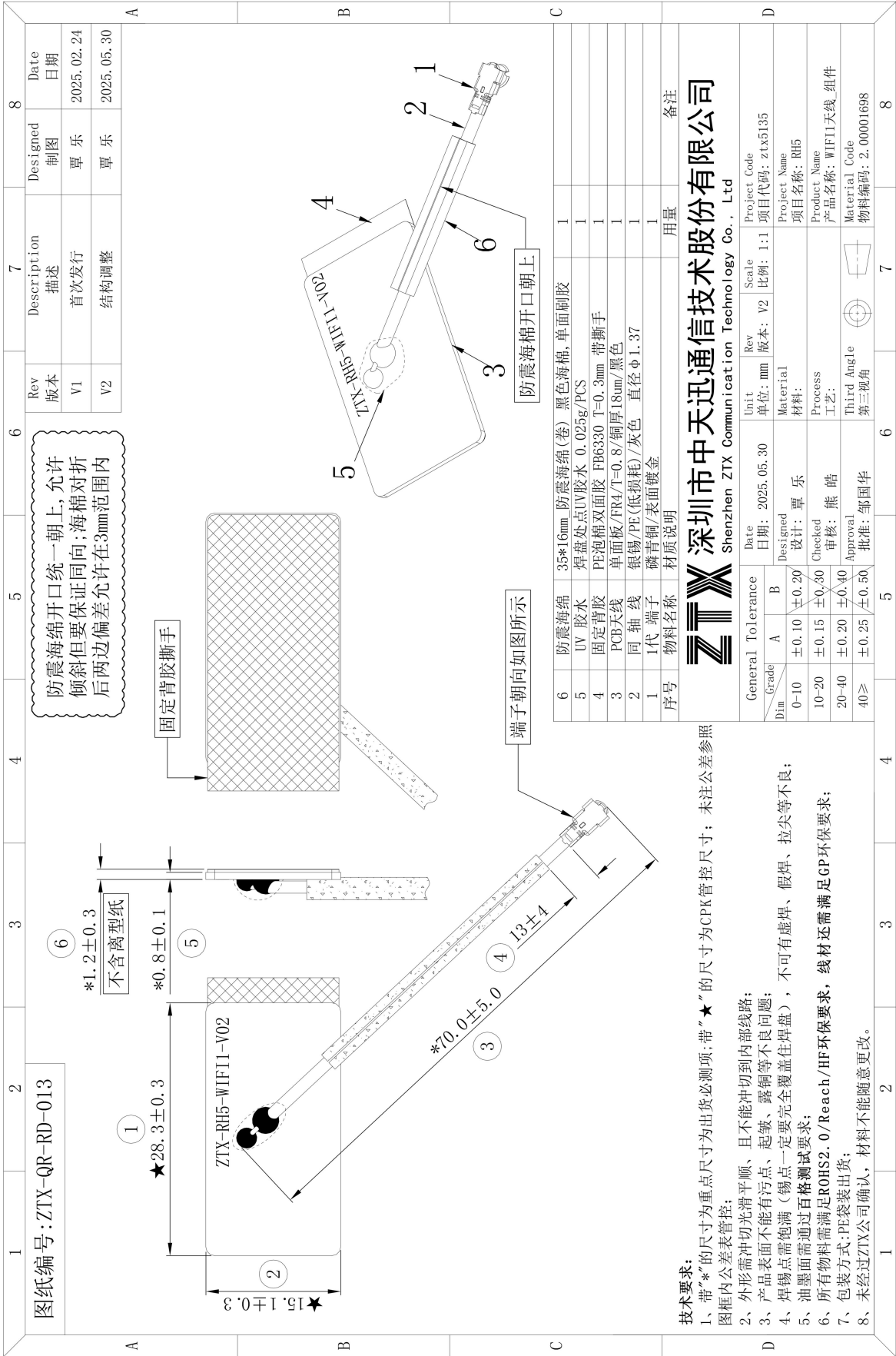
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1. Mechanical Specification

1-1 Mechanical Configuration (WIFI1 天线组件)



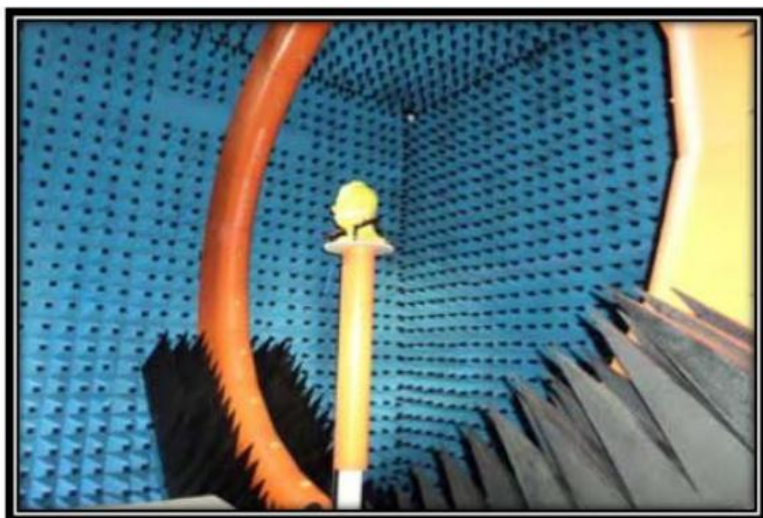
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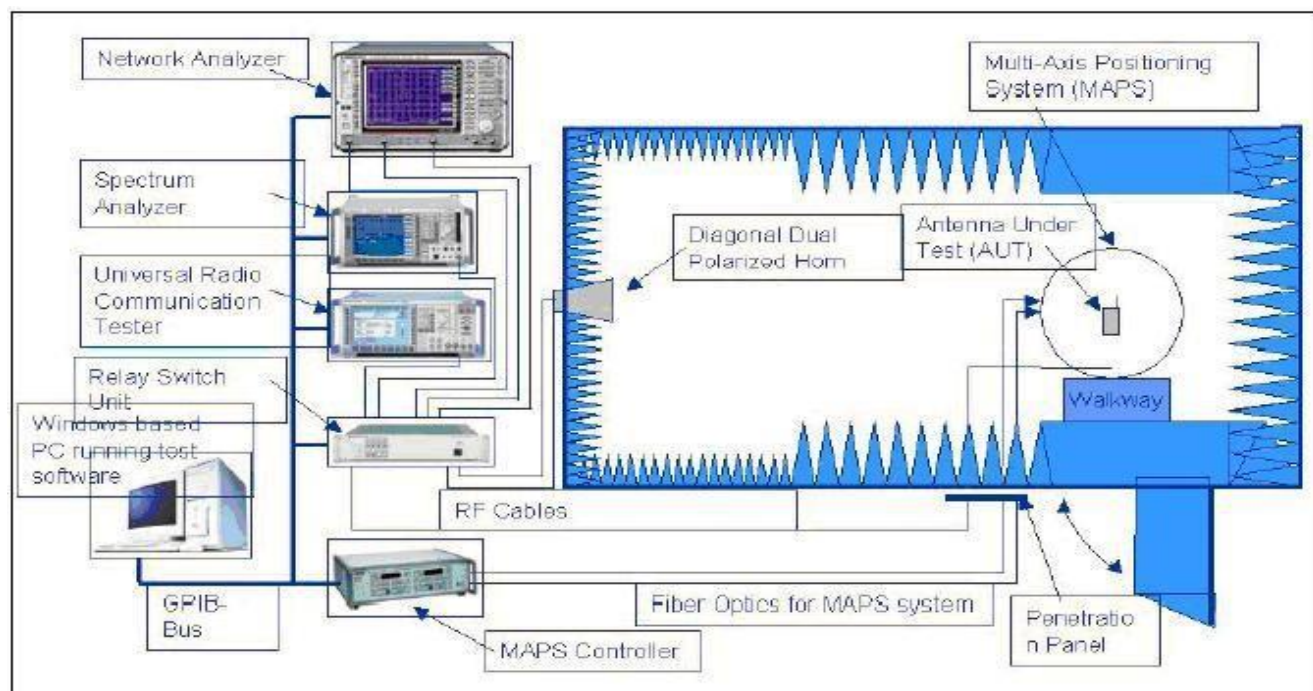
2.Test equipment



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	55%	-2.56	3.35	5925	55%	-2.57	4.45
2410	56%	-2.49	3.23	5975	57%	-2.46	4.79
2420	58%	-2.35	3.29	6025	57%	-2.47	4.67
2430	59%	-2.29	3.05	6075	58%	-2.38	4.36
2440	59%	-2.31	3.08	6125	57%	-2.46	4.36
2450	59%	-2.33	3.15	6175	58%	-2.35	4.08
2460	58%	-2.37	3.27	6225	58%	-2.35	4.48
2470	57%	-2.41	3.46	6275	57%	-2.45	4.46
2480	57%	-2.47	3.27	6325	56%	-2.50	4.51
2490	56%	-2.49	3.3	6375	57%	-2.42	4.23
2500	54%	-2.64	3.22	6425	57%	-2.42	4.14
5150	57%	-2.48	4.58	6475	55%	-2.60	3.62
5200	55%	-2.61	4.36	6525	57%	-2.45	3.85
5250	56%	-2.51	4.59	6575	54%	-2.70	3.1
5300	55%	-2.56	4.24	6625	53%	-2.74	3.25
5350	54%	-2.68	4.66	6675	53%	-2.80	3.79
5400	54%	-2.65	4.52	6725	52%	-2.83	3.86
5450	53%	-2.73	4.22	6775	52%	-2.88	3.79
5500	52%	-2.86	3.68	6825	50%	-3.04	4.11
5550	54%	-2.69	3.62	6875	50%	-3.03	3.88
5600	55%	-2.58	4.36	6925	49%	-3.13	3.69
5650	55%	-2.59	4.22	6975	47%	-3.30	3.5
5700	56%	-2.50	4.03	7025	47%	-3.24	3.39
5750	56%	-2.53	4.54	7075	46%	-3.42	3.32
5800	57%	-2.44	4.63	7125	45%	-3.48	3.13
5850	56%	-2.54	4.44				

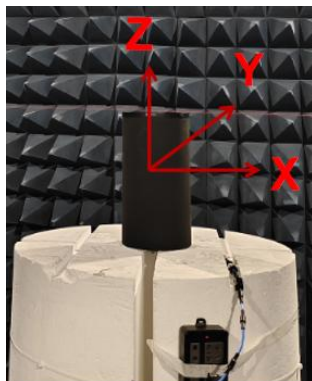
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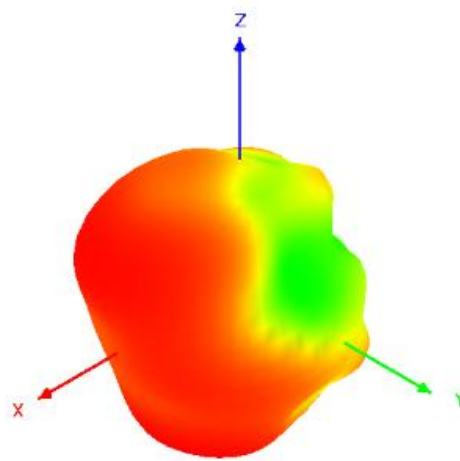
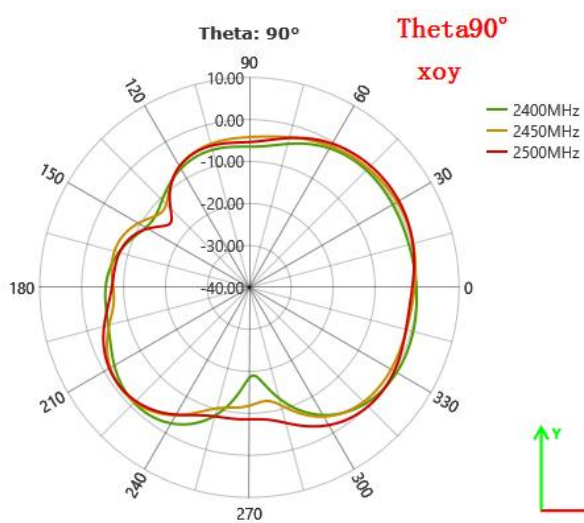
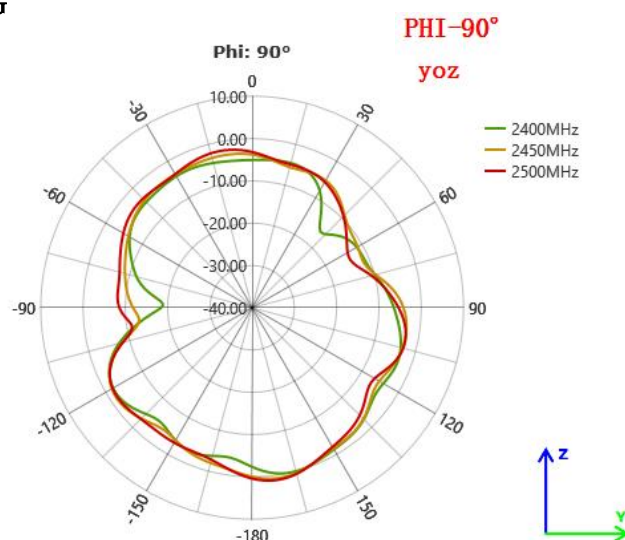
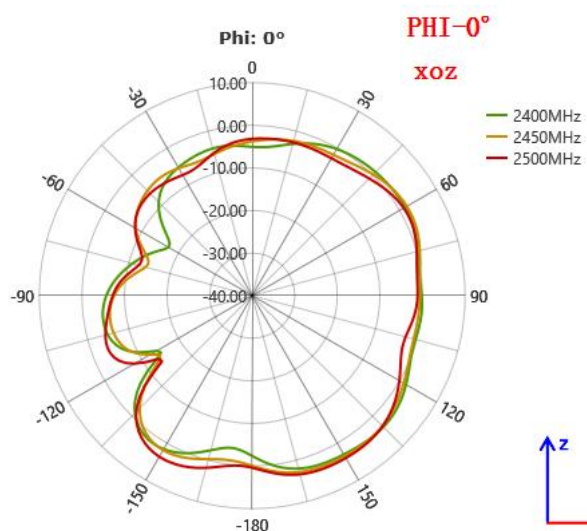
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2-2 2D/3D Radiation Pattern Results



2. 4G



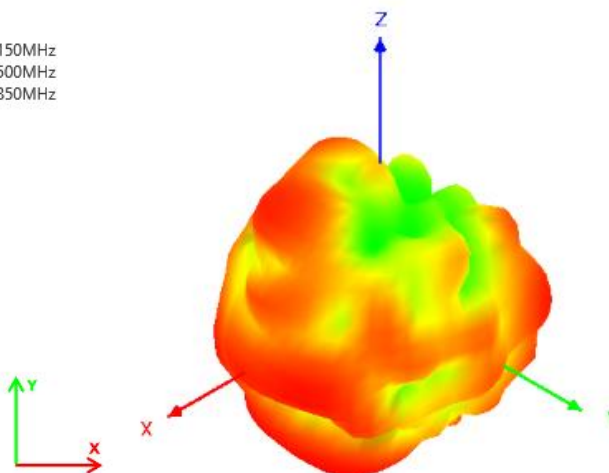
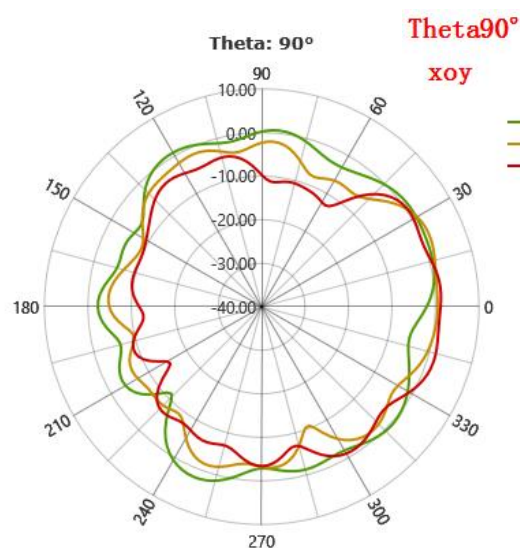
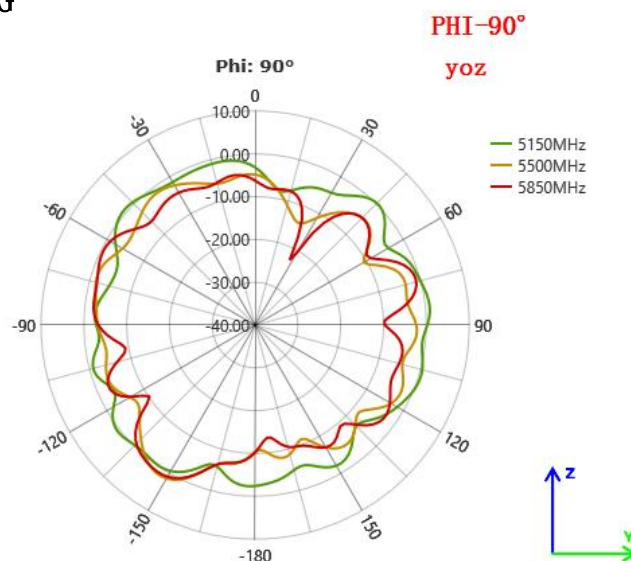
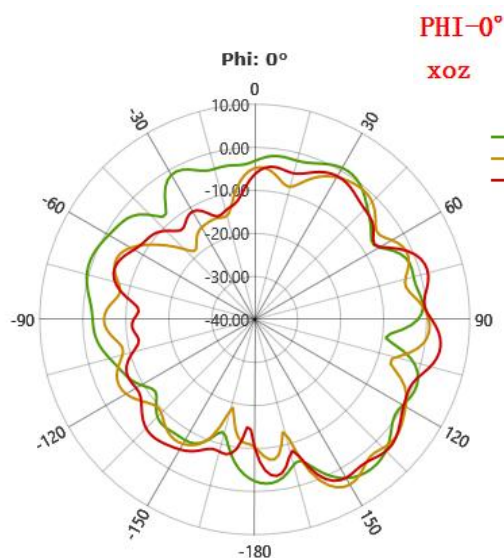
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