

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER	Hesung Innovation Limited	
	CS P/N		
	TEST MODEL	DR-HTF021S & DR-HTF021AS	
	PART NAME	WIFI antenna component	
	FREQUENCY	2400~2500MHz	
	ZTX NO.	2.00001807	
	DATE	2025-10-20	

CUSTOMER			
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

Remark:

Sign:

Shenzhen ZTX Communication Technology Co., Ltd				
MANAGER CHECKED	MANAGER CHECKED	ME CHECKED	RF CHECKED	LISTER
		Youjie.Ke	Wang.Wu	



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ANTENNA SPECIFICATION

CUS P/N:HTF021S_WIFI antenna component

Application Date:Oct,20,2025

Rev: R:A0

ZTX P/N :HTF021S_WIFI antenna component

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Revision history

Edition	Date	state
A0	2025-10-20	First edition

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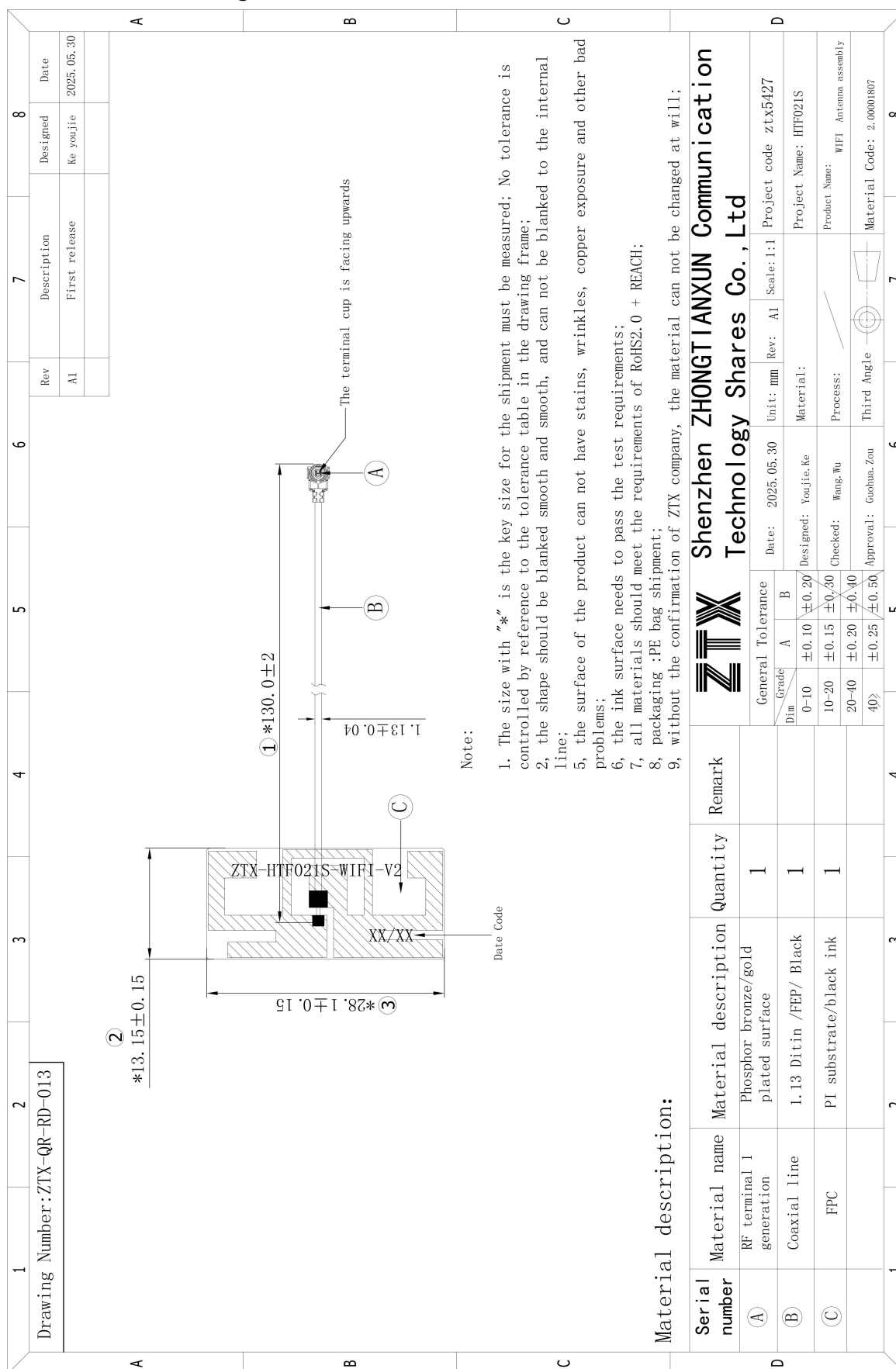
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1. Mechanical Specification

1-1 Mechanical Configuration (WIFI antenna component)



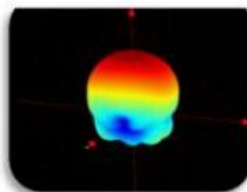
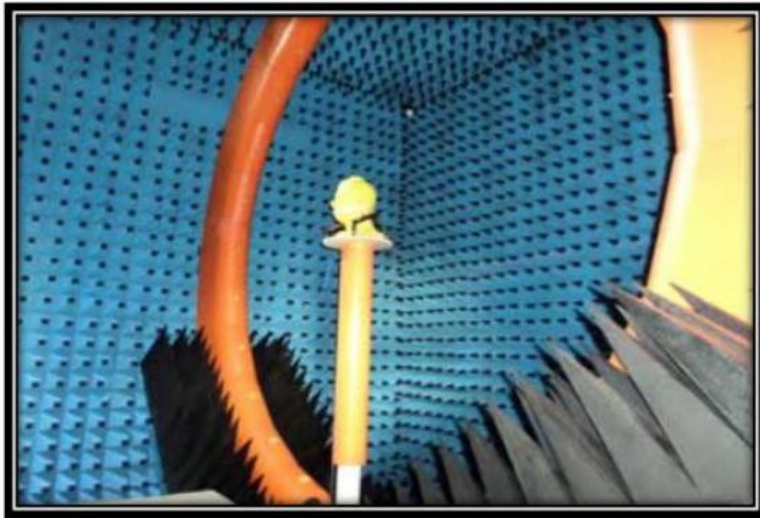
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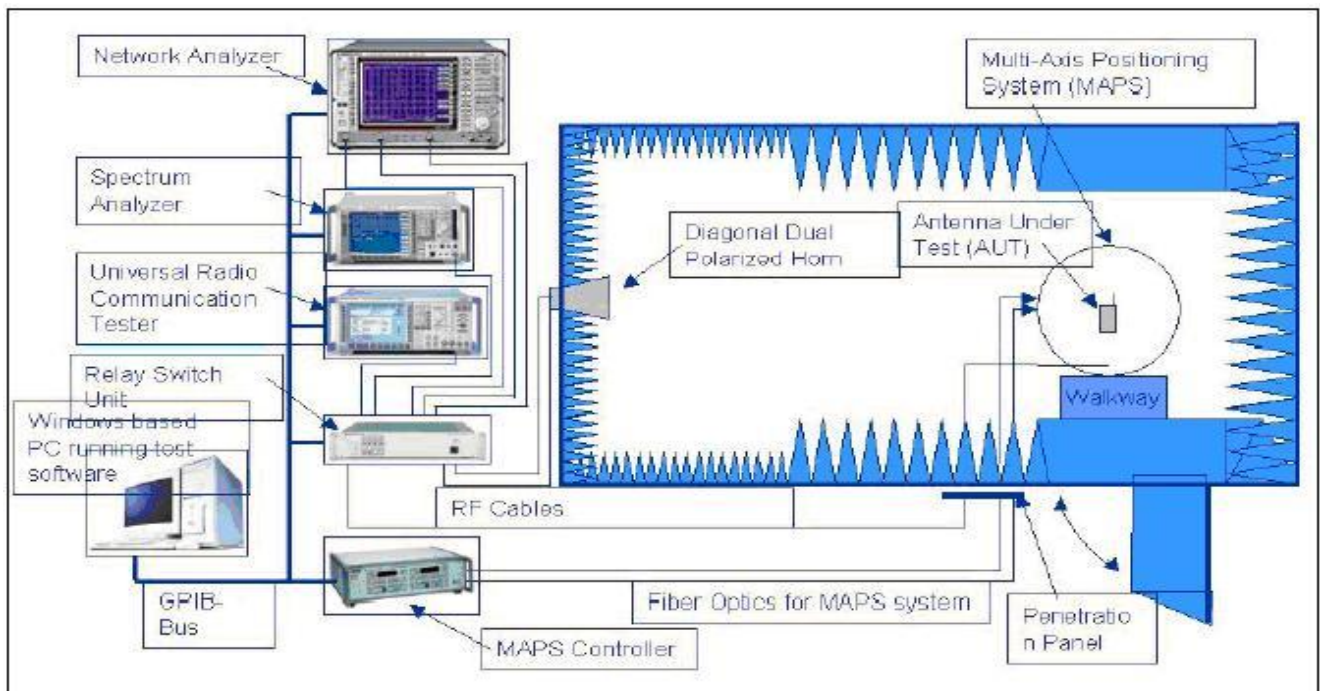
2. Test equipment



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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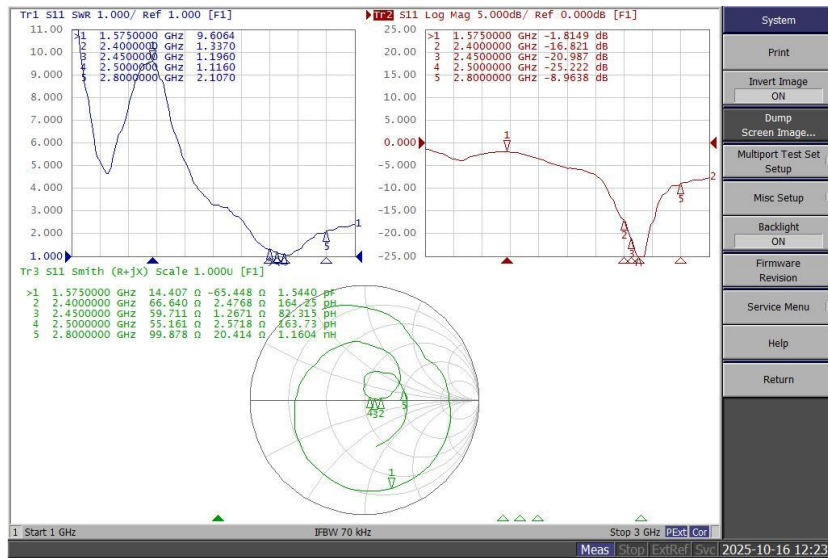
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3.Test Results Summary

3-1 Active Test

WIFI B	Channels	TRP	TIS
	1	17.53	-83.05
	6	17.04	-83.25
	11	17.12	-83.1
WIFI G	Channels	TRP	TIS
	1	15.19	-70.88
	6	15.03	-70.06
	11	15.18	-70.19
WIFI N	Channels	TRP	TIS
	1	14.29	-68.96
	6	14.15	-68.51
	11	14.26	-68.35

3-2 S11



3-3 Passive Test

Frequency	Efficiency	Efficiency . dB	Gain . dB
2400	66%	-1.84	2.48
2410	65%	-1.85	2.02
2420	65%	-1.85	2.17
2430	67%	-1.76	2.23
2440	67%	-1.74	2.20
2450	68%	-1.70	2.25
2460	67%	-1.75	2.49
2470	67%	-1.76	2.97
2480	67%	-1.75	2.73
2490	66%	-1.78	2.59
2500	66%	-1.78	2.23

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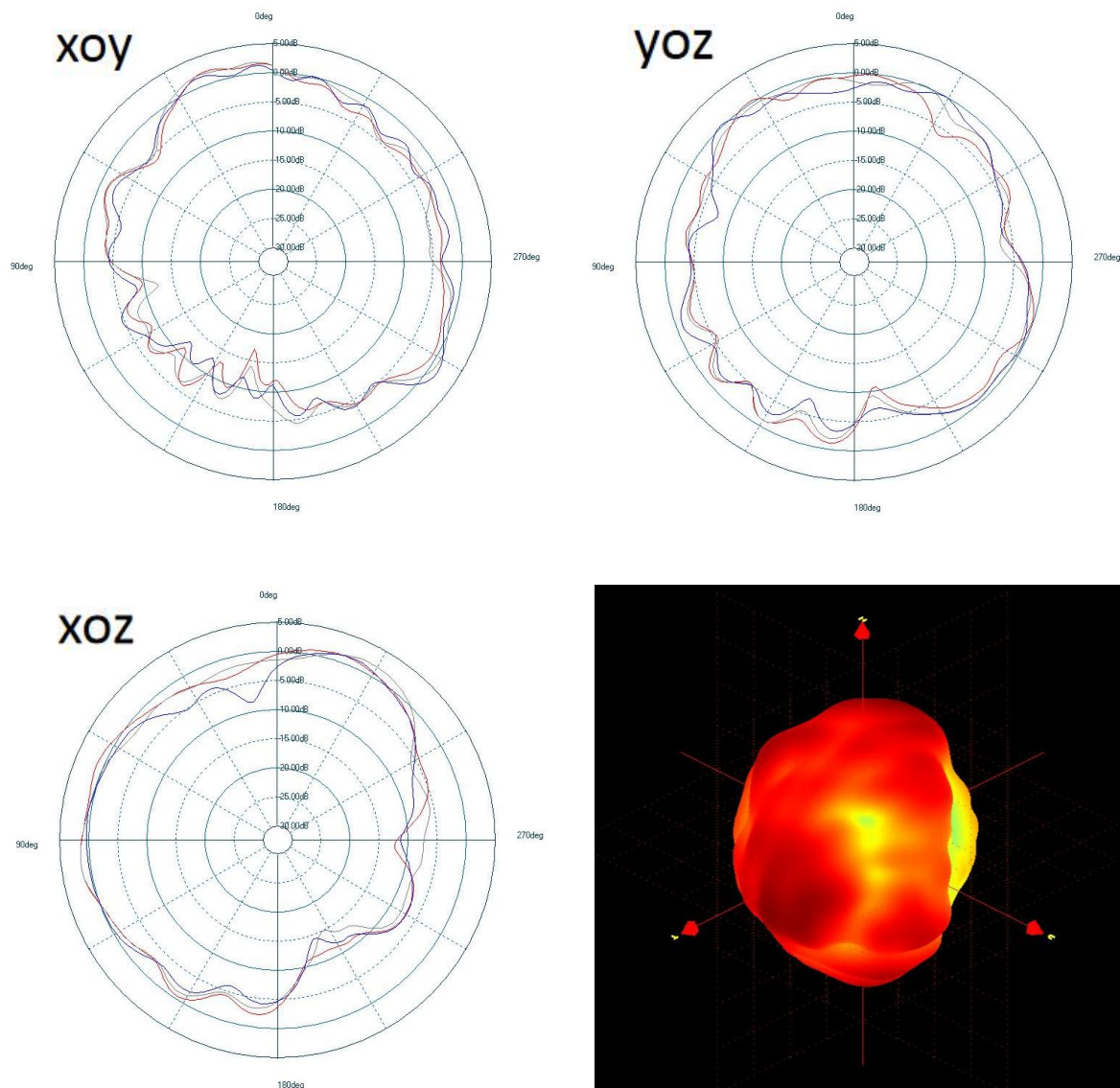
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3-4 2D/3D Radiation Pattern Results



3-5 Environmental treatment

