

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER	Hesung Innovation Limited	
	CS P/N		
	TEST MODEL	DR-HEC005S	
	PART NAME	WIFI antenna component	
	FREQUENCY	2400~2500MHz	
	ZTX NO.	2.00002024	
	DATE	2025-12-11	

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
		Le.Qin	Zebin.Zhang	



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ANTENNA SPECIFICATION

CUS P/N:DR-HEC005S_WIFI antenna component
ZTX P/N :DR-HEC005S_WIFI antenna component

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Revision history

Edition	Date	state
A0	2025-12-11	First edition

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ANTENNA SPECIFICATION

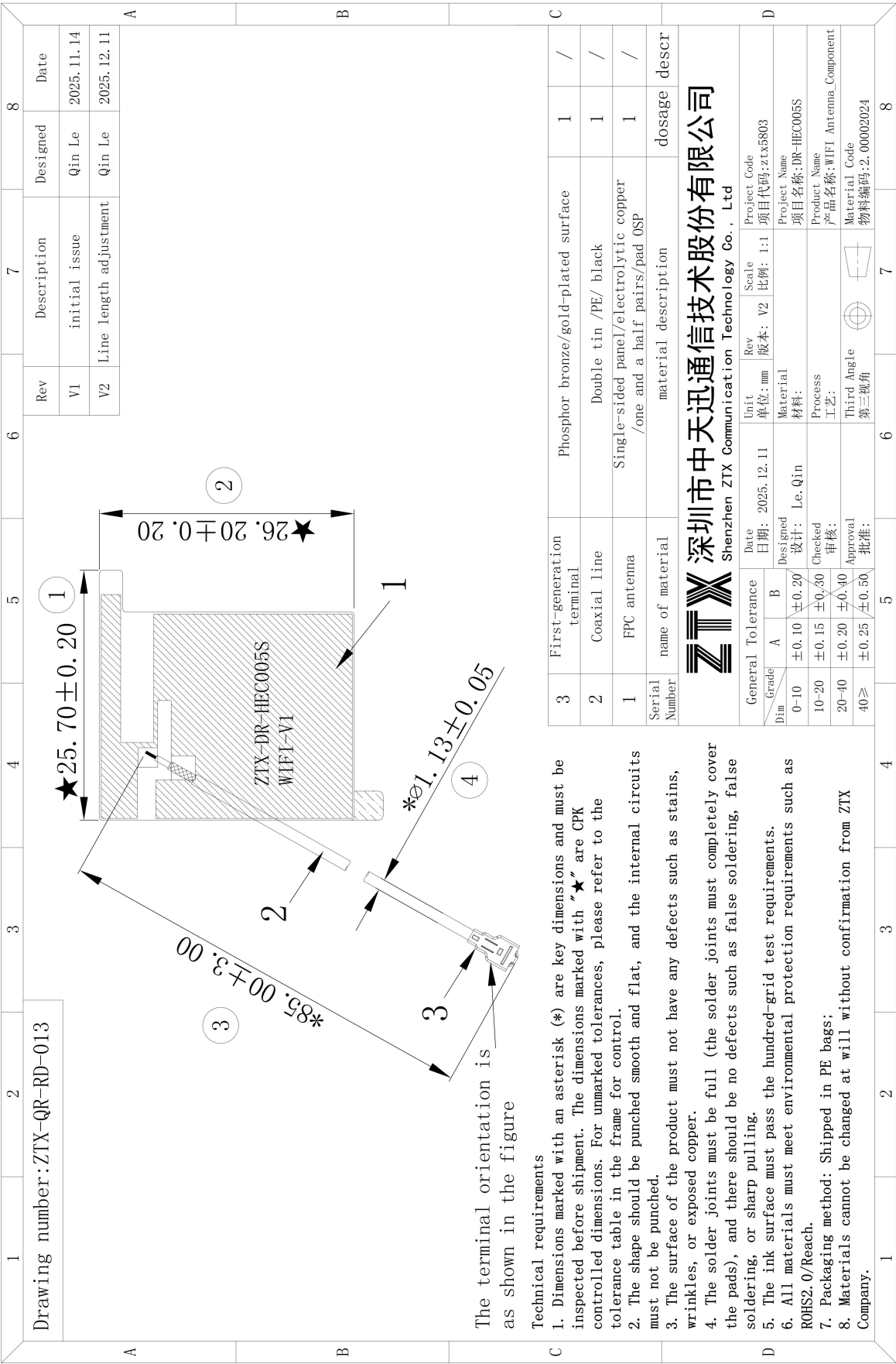
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1. Mechanical Specification

1-1 Mechanical Configuration (WIFI antenna component)



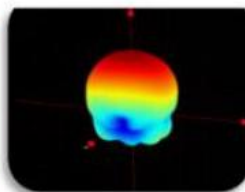
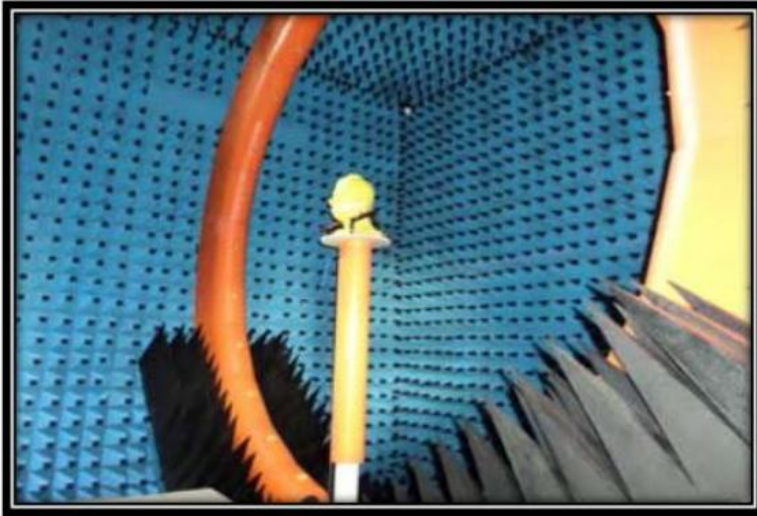
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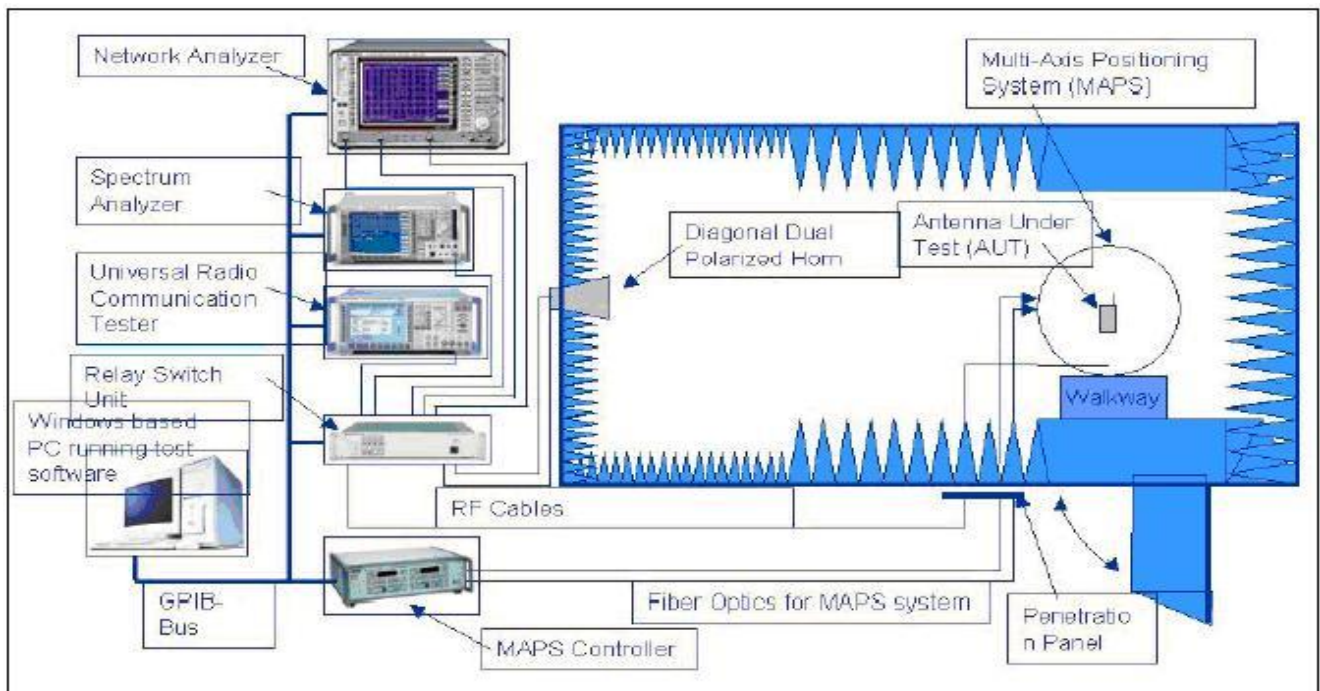
2. Test equipment



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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3.Test Results Summary

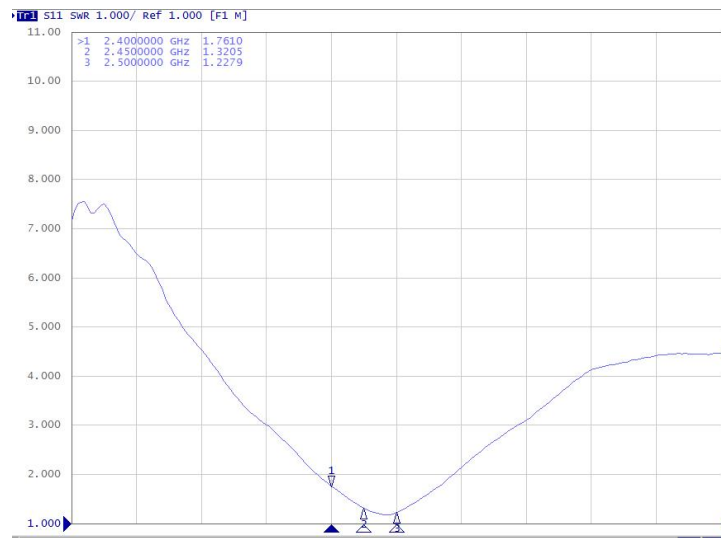
3-1 Active Test

b	TRP	TIS
1	16.08	-82.13
7	16.38	-81.87
13	16.63	-82.29

g	TRP	TIS
1	14.48	-68.22
7	14.25	-68.17
13	14.57	-68.17

n	TRP	TIS
1	13.57	-62.76
7	13.45	-62.39
13	13.61	-62.47

3-2 VSWR



3-3 Passive Test

Frequency	Efficiency	Efficiency . dB	Gain . dB
2400000000	62%	-2.08	3.01
2410000000	63%	-2.03	2.90
2420000000	62%	-2.07	2.99
2430000000	62%	-2.05	2.92
2440000000	63%	-2.00	2.89
2450000000	63%	-2.03	2.96
2460000000	63%	-2.01	2.96
2470000000	64%	-1.97	3.15
2480000000	64%	-1.93	3.13
2490000000	64%	-1.91	3.21
2500000000	65%	-1.89	3.39

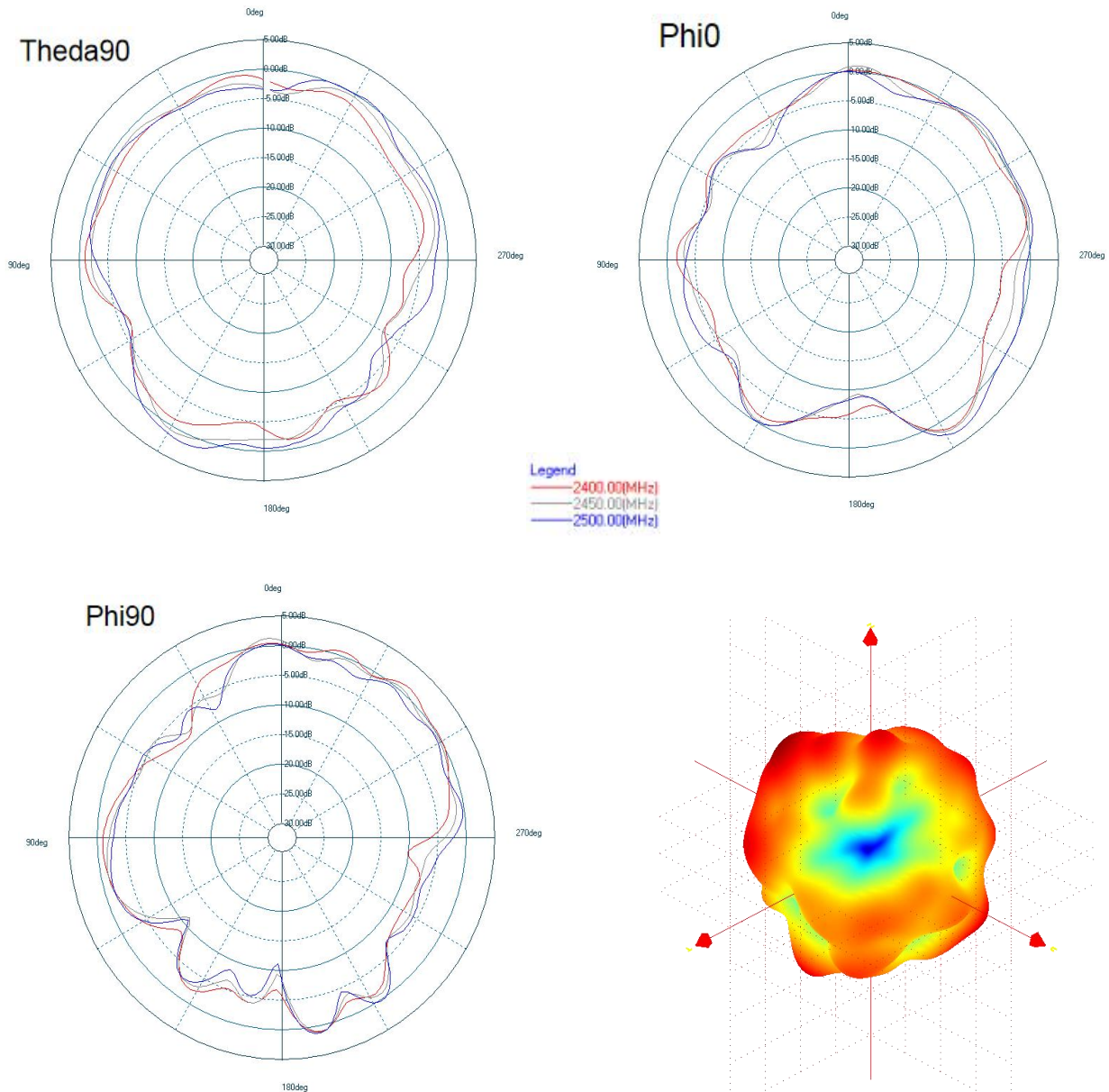
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3-4 2D/3D Radiation Pattern Results



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3-5 Environmental treatment

