

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER	Hesung Innovation Limited	
	CS P/N		
	TEST MODEL	HPF017S	
	PART NAME	WIFI antenna assembly	
	FREQUENCY	2400~2500MHz	
	ZTX NO.	2.00002013	
	DATE	2025-12-16	

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 Pei		



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ANTENNA SPECIFICATION

CUS P/N:HPF017S_WIFI antenna assembly
ZTX P/N :HPF017S_WIFI antenna assembly

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Page 1 of 6

Revision history

Edition	Date	state
A0	2025-12-16	First edition

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Page 2 of 6

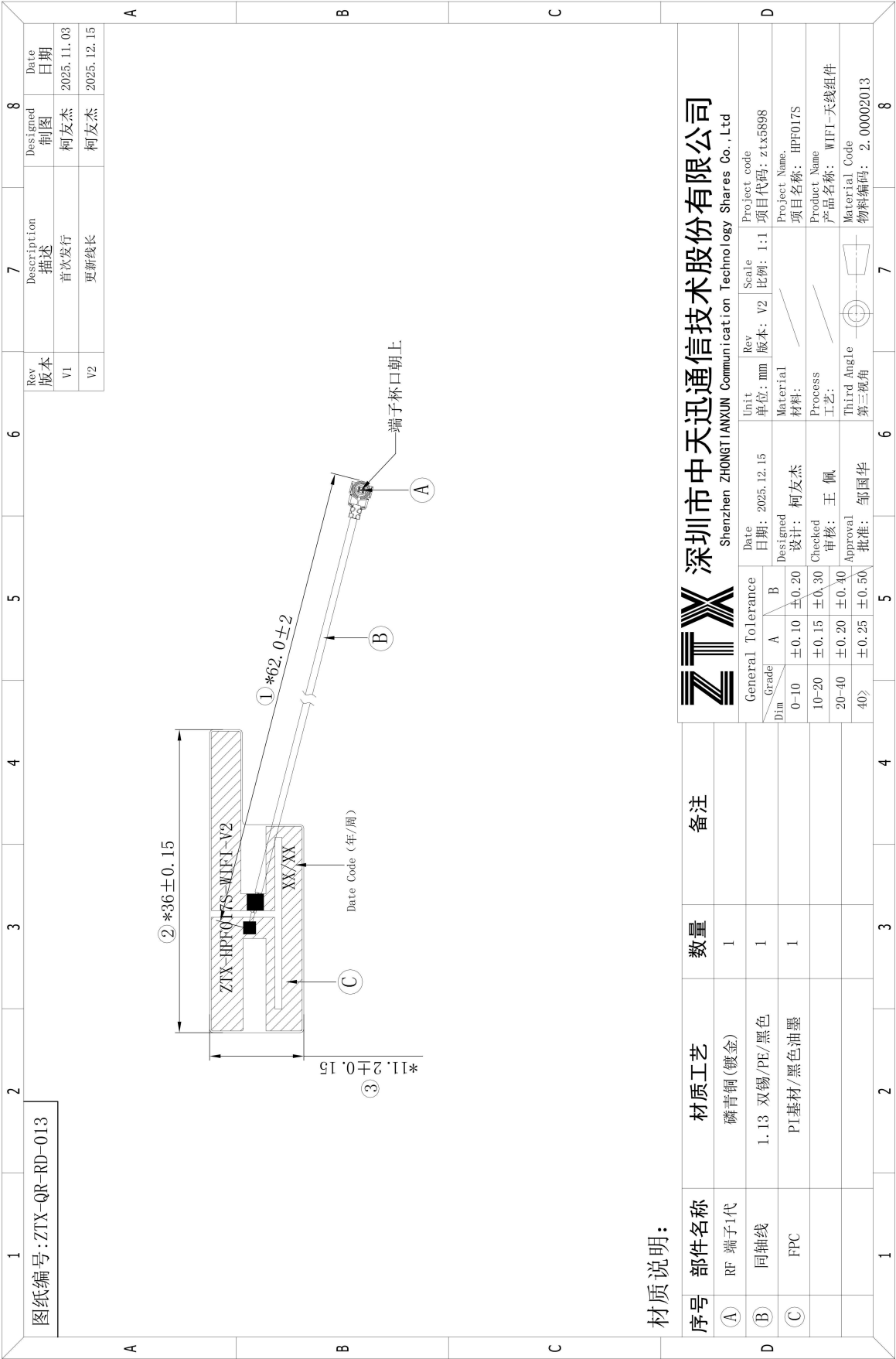
Index

		Revision history	1
		Index	2
1		Mechanical Specification	3
	1-1	Mechanical Specification(WIFI antenna assembly)	3
2		Test equipment	4
3		Test Results Surmmary	5
	3-1	Active Test	5
	3-2	VSWR	5
	3-3	Passive Test	5
	3-4	2D/3D Radiation Pattern Results	6

ANTENNA SPECIFICATION

1. Mechanical Specification

1-1 Mechanical Configuration (WIFI antenna assembly)



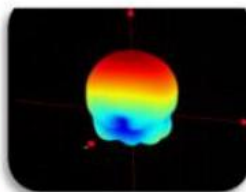
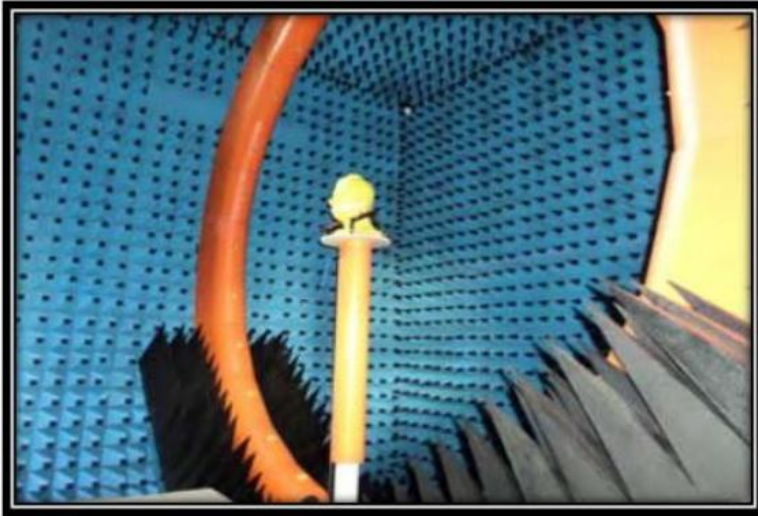
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Page 4 of 6

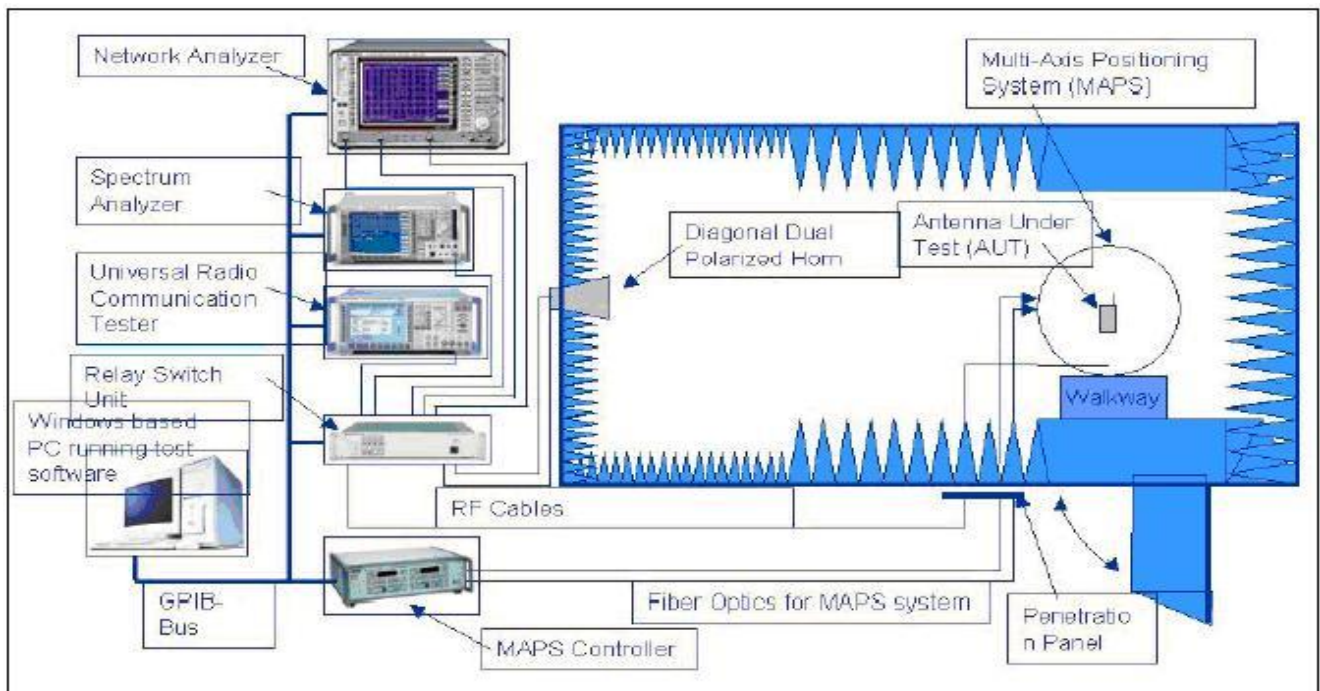
2. Test equipment



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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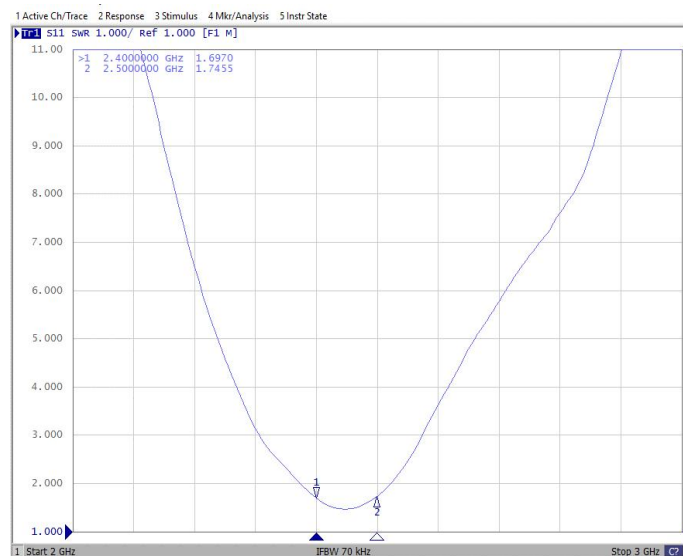
Rev: R:A0
Page 5 of 6

3.Test Results Summary

3-1 Active Test

B	TRP (11M)	TIS (11M)
1	15.16	-81.58
6	15.62	-81.69
11	15.57	-81.37
G	TRP (6M)	TIS (54M)
1	13.57	-67.54
6	13.62	-67.61
11	13.37	-67.42
N	TRP (MCS0)	TIS (MCS7)
1	12.47	-61.81
6	12.49	-61.73
11	12.53	-61.59

3-2 VSWR



3-3 Passive Test

Frequency (MHz)	Efficiency	Gain . dB
2400	61%	3.26
2410	62%	3.29
2420	64%	3.36
2430	62%	3.44
2440	63%	3.6
2450	63%	3.42
2460	62%	3.41
2470	62%	3.25
2480	60%	3.21
2490	59%	3.06
2500	59%	3.03

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Page 6 of 6

3-4 2D/3D Radiation Pattern Results

