

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER	Hesung Innovation Limited	
	CS P/N		
	TEST MODEL	HAF016S	
	PART NAME	WIFI antenna assembly	
	FREQUENCY	2400-2500MHz	
	ZTX NO.	2.00006416	
	DATE	2026-06-24	

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
		Shuman.Ma	Chenyu.Liu	



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ANTENNA SPECIFICATION

CUS P/N:HAF016S_WIFI antenna assembly

Application Date:Jun,24,2026

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Revision history

Edition	Date	state
A0	2026-06-24	First edition

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1-1 Mechanical Configuration(WIFI antenna assembly)

ZTX 中天迅

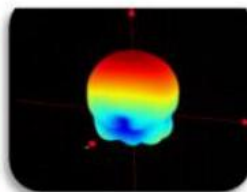
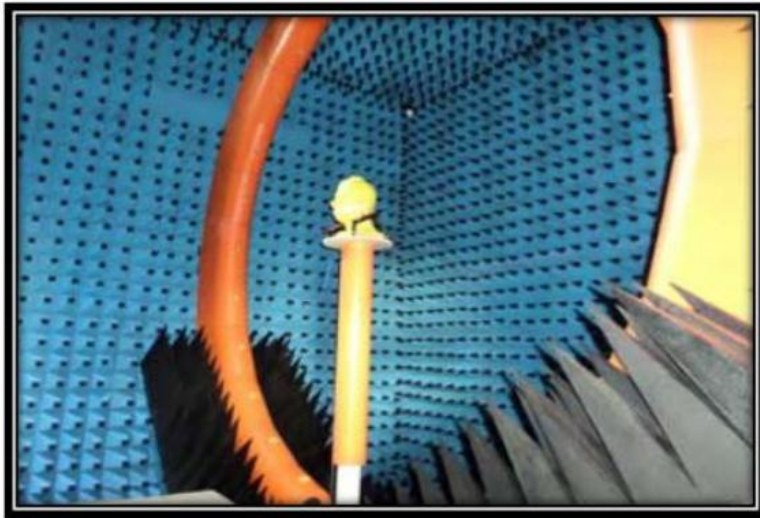
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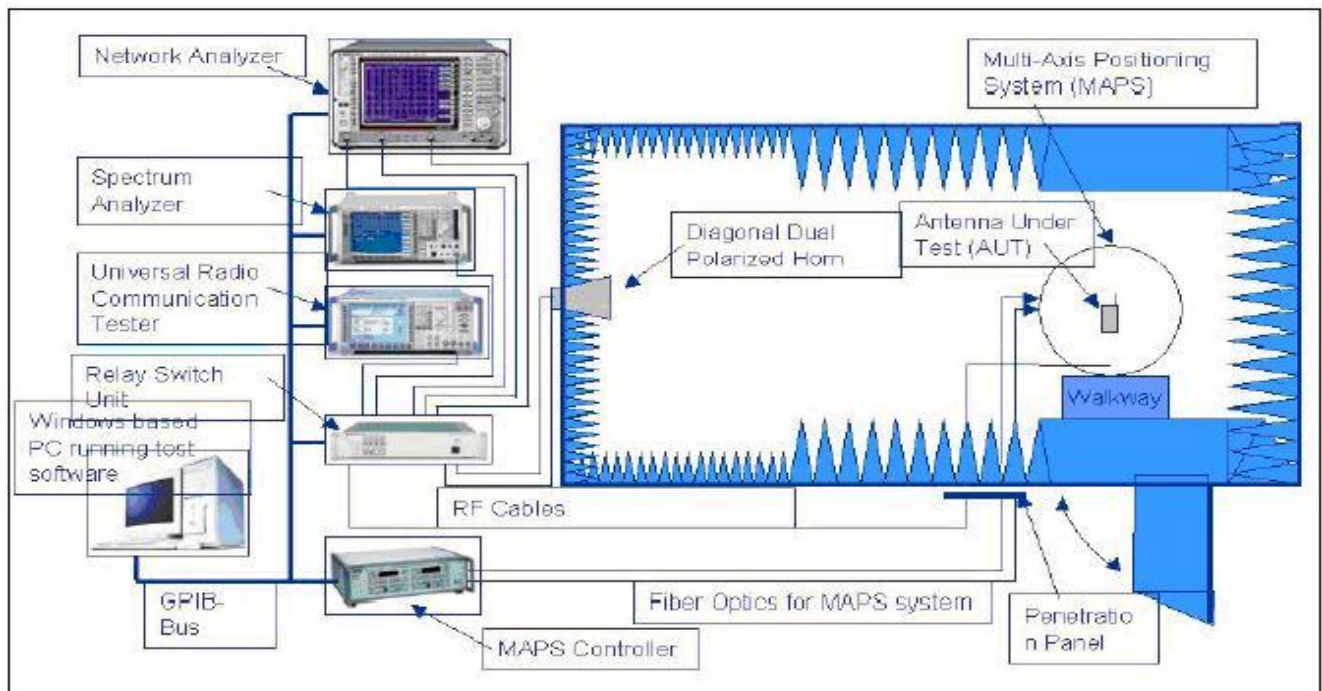
2. Test equipment



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	16.18	-80.03
6	16.62	-81.47
11	16.35	-82.13

g	TRP	TIS
1	15.98	-68.86
6	15.45	-69.81
11	15.44	-70.06

n	TRP	TIS
1	15.40	-66.06
6	14.46	-66.84
11	14.44	-67.03

3-2 S11



3-3 Passive test

Frequency (MHz)	Efficiency	Efficiency . dB	Gain . dBi
2400	64%	-1.92	3.94
2410	63%	-2.03	3.99
2420	65%	-1.85	4.31
2430	65%	-1.84	4.32
2440	66%	-1.78	4.51
2450	67%	-1.75	4.65
2460	66%	-1.82	4.39
2470	65%	-1.87	4.23
2480	65%	-1.90	4.51
2490	66%	-1.83	4.92
2500	64%	-1.95	4.90

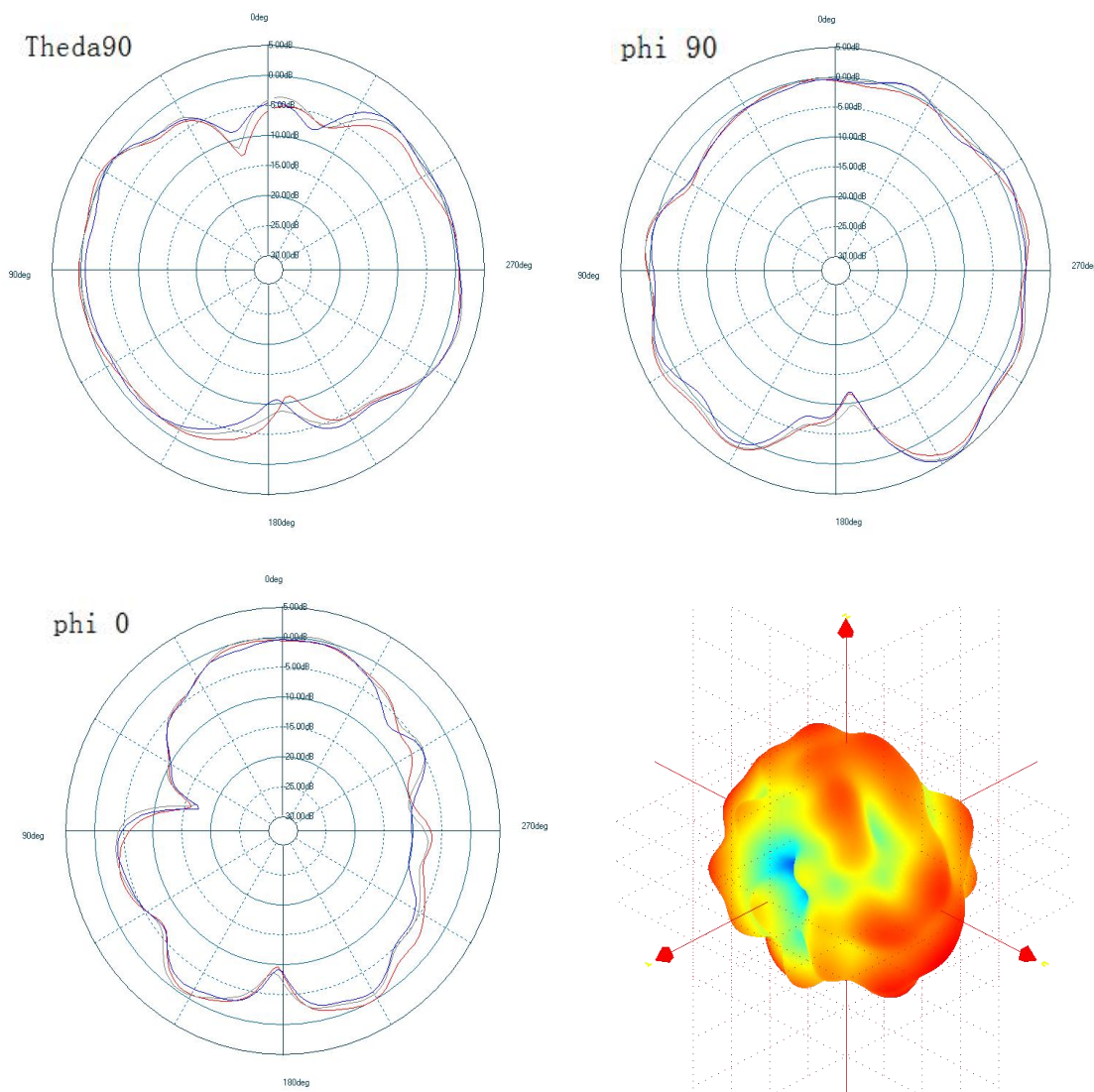
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3-4 2D/3D Radiation Pattern Results



3-5 Environmental treatment

