

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER(客户名称)		
	CS P/N(客户机种)		
	TEST MODEL (测试机型)	DR-HSC001	
	PART NAME(品名)	WIFI antenna	
	FREQUENCY(频率)	2400~2500MHz	
	ZTX NO.(物料编号)	2.00001457	
	DATE(日期)	2026-04-02	

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
		Ma Shumin	Liu Chenyu	



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ANTENNA SPECIFICATION

CUS P/N:DR-HSC001_WIF Antenna
ZTX P/N :DR-HSC001_WIFI Antenna

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Revision history

versions	Date	state
A0	2026-04-02	first edition

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1-1 Mechanical Configuration(WIFI 天线组件)



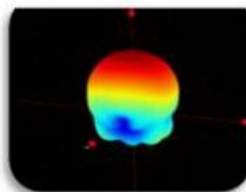
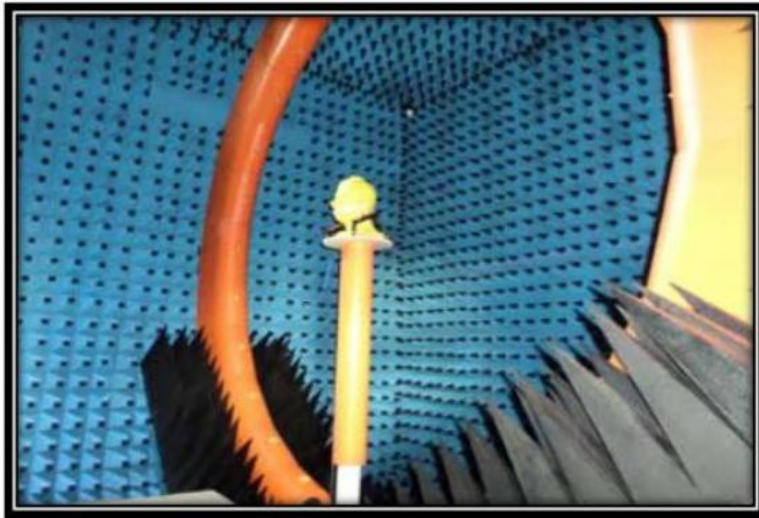
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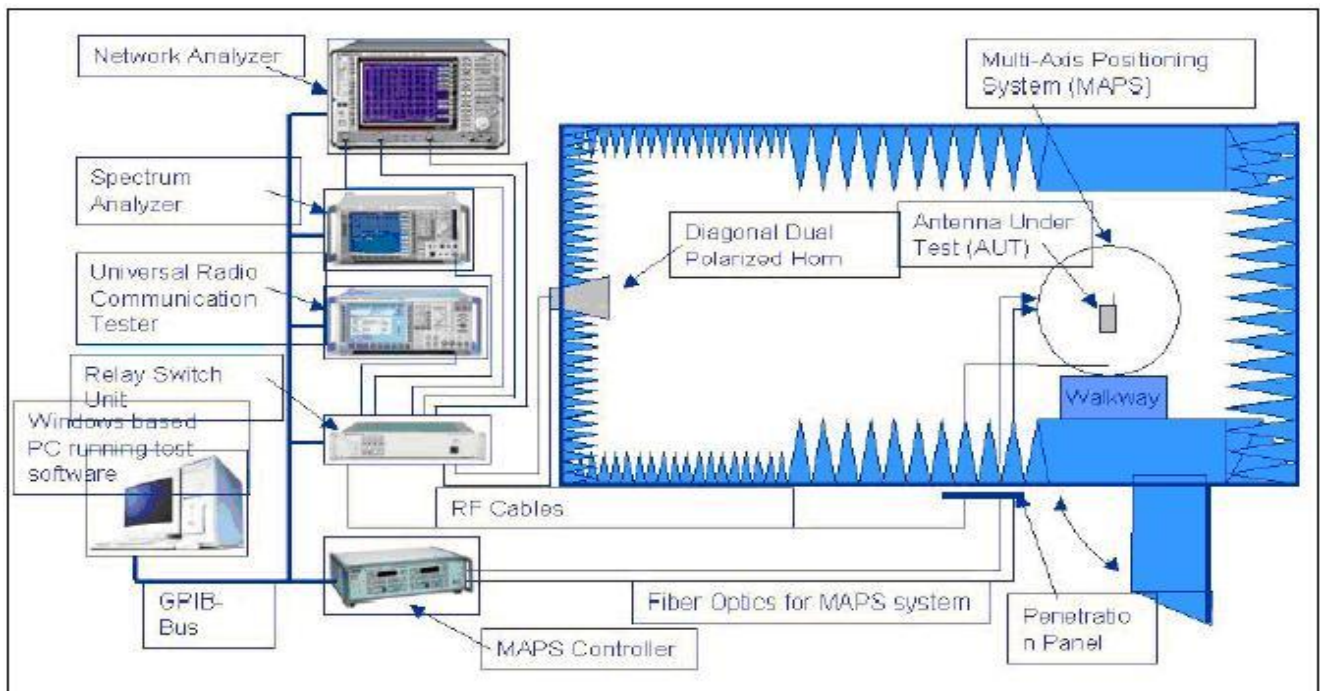
2. Test equipment



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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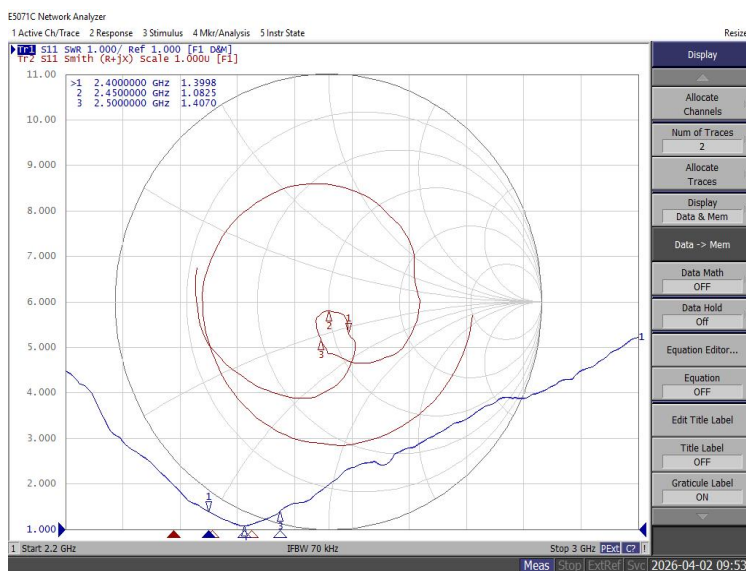
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3. Test Results Summary

3-1 Active test

Mode	Channels	TRP	TIS
B (11M/11M)	1	17.26	-84.95
	6	17.06	-84.65
	11	17.12	-84.79
G (6M/54M)	1	15.75	-72.09
	6	16.1	-71.2
	11	15.46	-72.11
N (MCS0/MCS7)	1	15.16	-69.58
	6	15.17	-69.07
	11	14.75	-68.55

3-2 VSWR



3-3 Passive test

Frequency(MHz)	Efficiency	Efficiency . dB	Gain . dBi
2400	69%	-1.57	2.75
2410	68%	-1.62	2.85
2420	68%	-1.66	2.89
2430	68%	-1.64	3.04
2440	69%	-1.53	3.09
2450	69%	-1.54	2.86
2460	67%	-1.74	2.85
2470	66%	-1.79	2.85
2480	66%	-1.82	2.87
2490	66%	-1.83	2.89
2500	66%	-1.81	3.05

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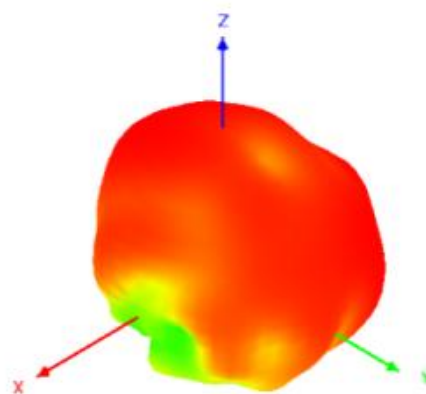
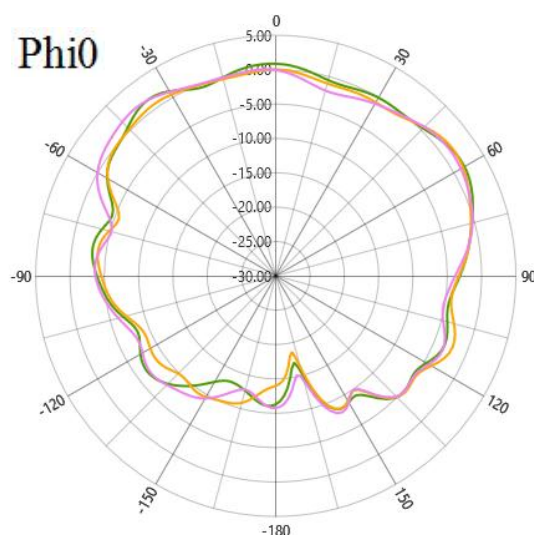
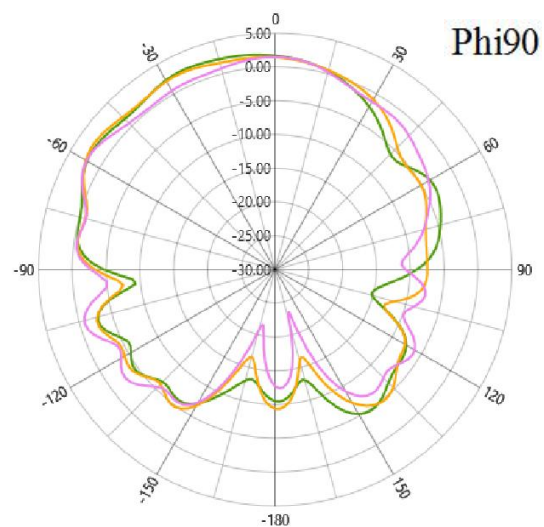
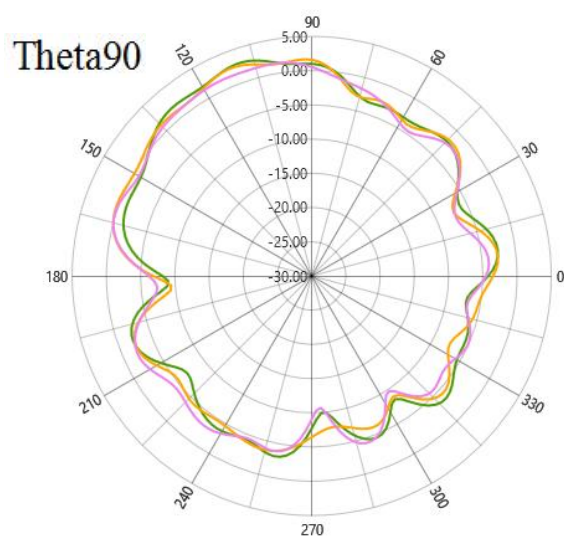
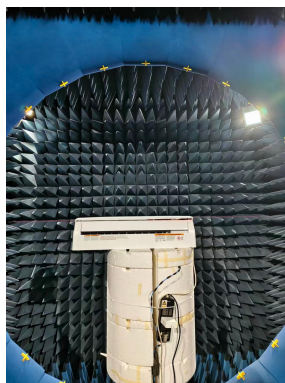
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3-4 2D/3D Radiation Pattern Results



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3-5 Environmental treatment

