

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER	HESUNG	
	CS P/N	DR-HAC006S	
	PART NAME	WIFI antenna	
	FREQUENCY	2400~2500MHz	
	ZTX NO.	2.00000641	
	DATE	2023-12-22	

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
		柯友杰	刘刚	



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ANTENNA SPECIFICATION

CUS P/N :DR-HAC006S WIFI

Application Date:Dec,22,2023

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Revision history

edition	date	state
A0	2023-12-22	first edition

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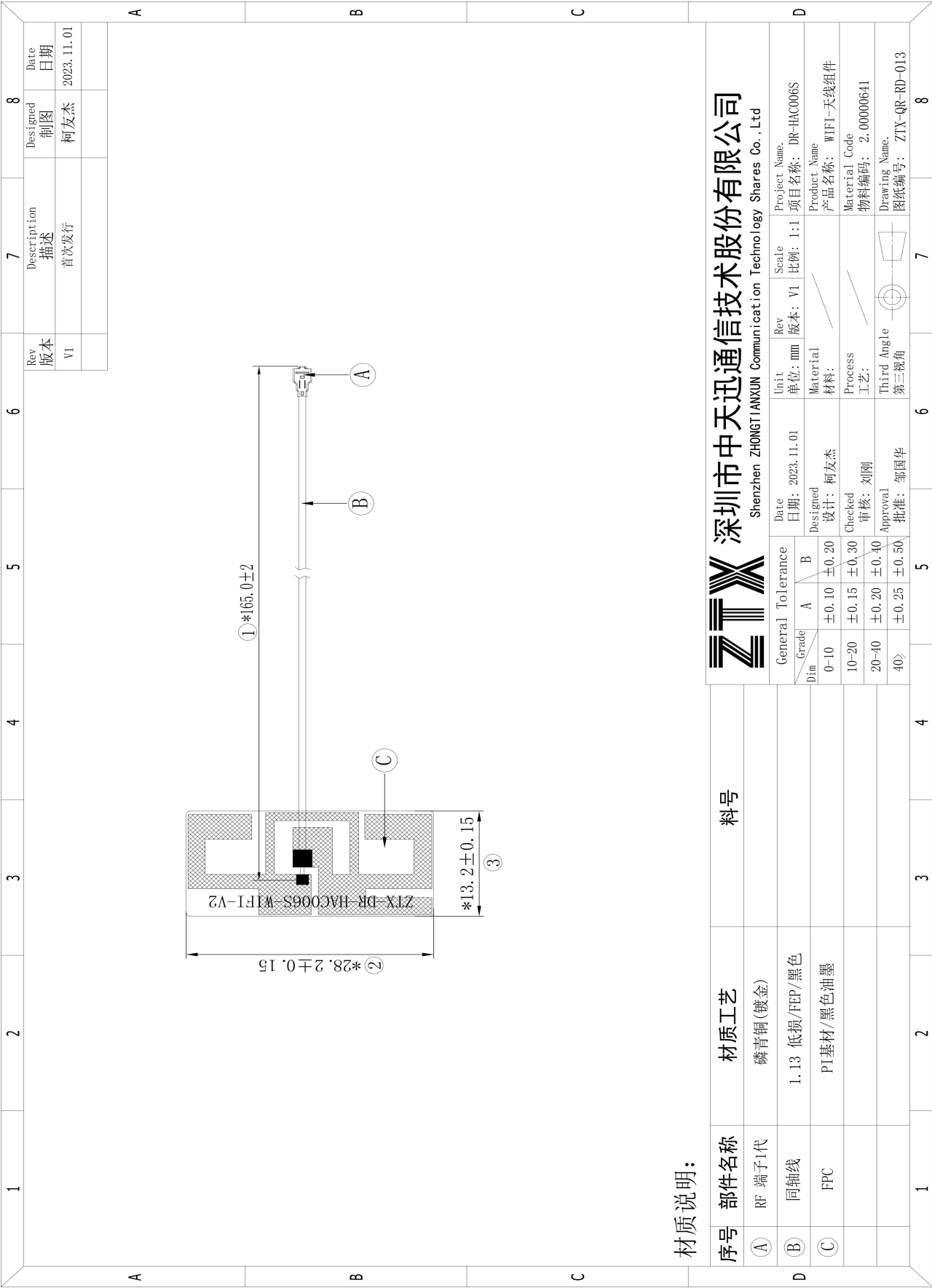
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ANTENNA SPECIFICATION

1. Mechanical Specification

1-1 Mechanical Configuration (WIFI)



深圳市中天迅通信科技股份有限公司
Shenzhen ZHONGTIANXUN Communication Technology Shares Co., Ltd

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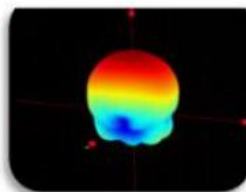
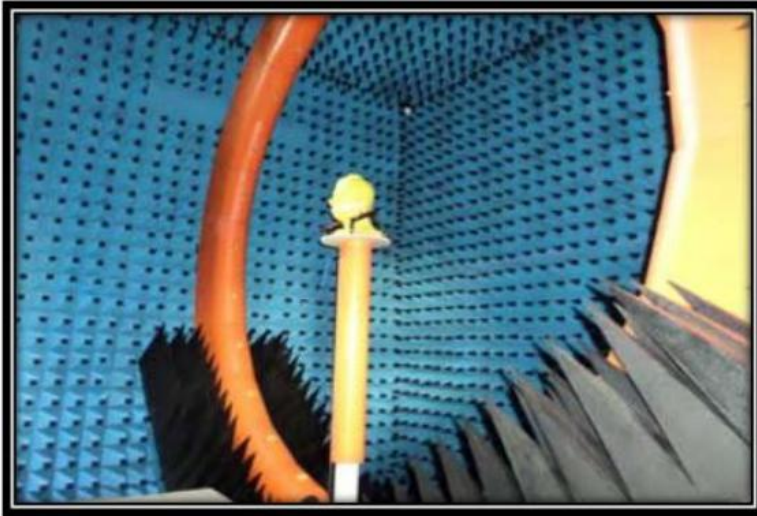
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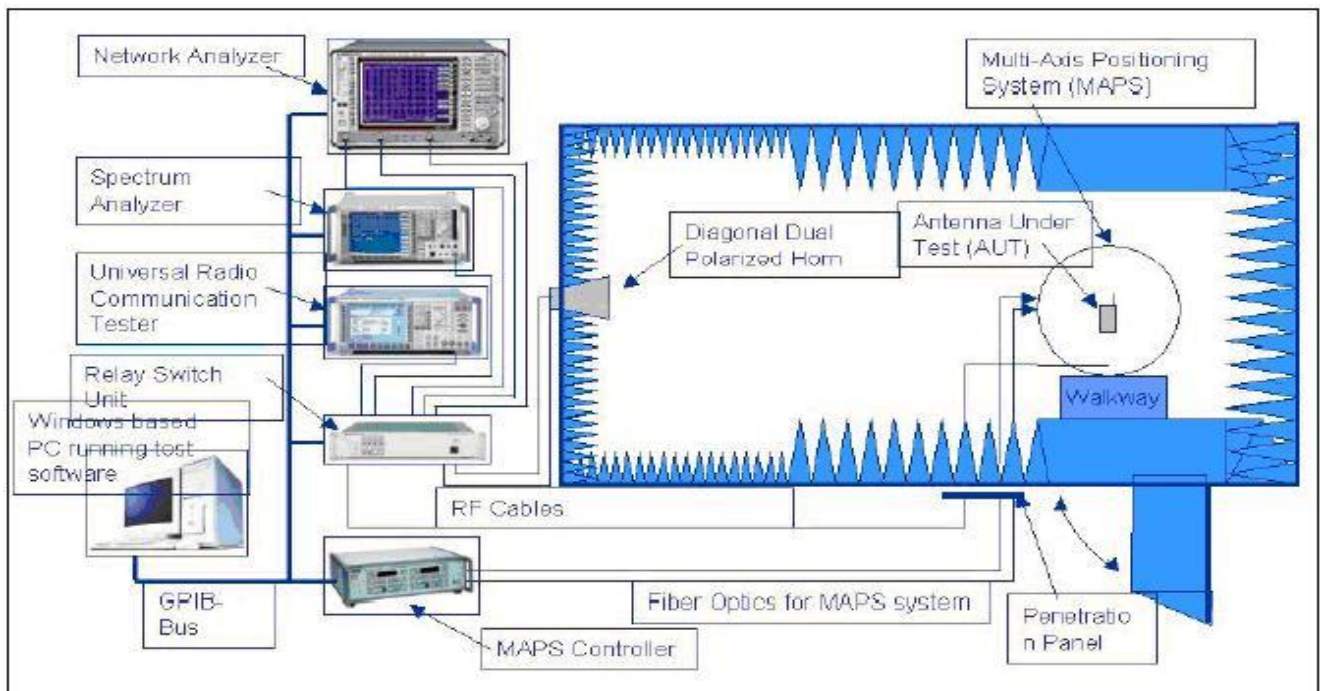
2. Test equipment



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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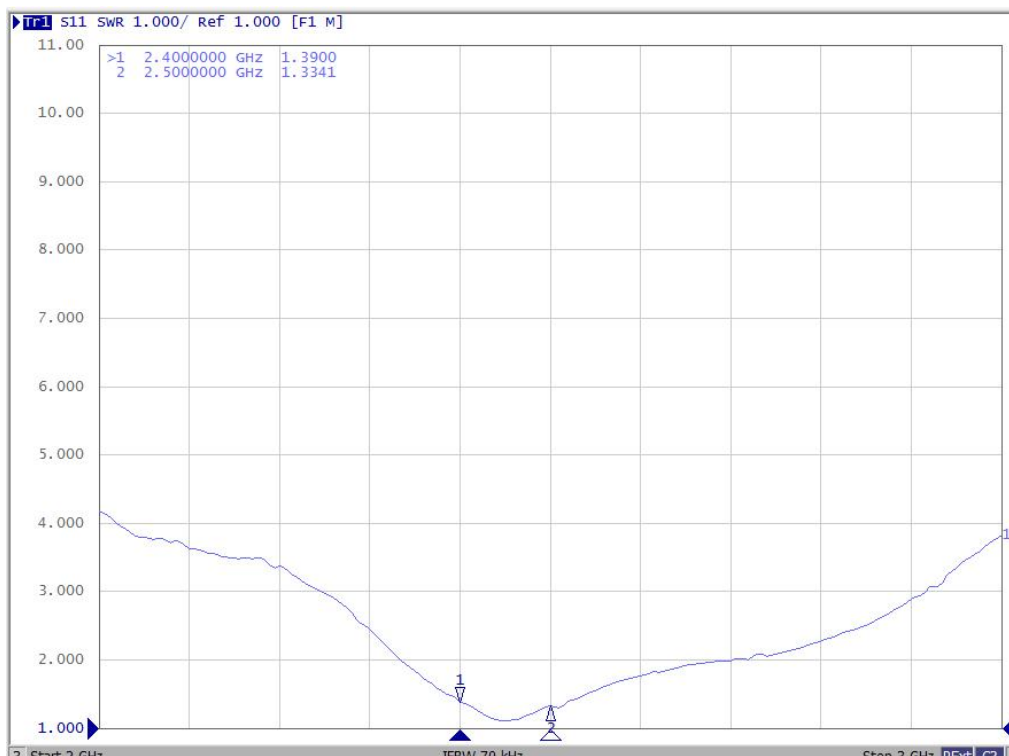
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3.Test Results Summary 3-1 Active Test

11b	Channels	TRP (11M)	TIS (11M)
	1	15.58	-83.67
	6	15.68	-83.82
	11	15.89	-83.73
11g	Channels	TRP (54M)	TIS (54M)
	1	12.03	-70.78
	6	12.11	-70.77
	11	12.45	-70.86
11n	Channels	TRP (MCS7)	TIS (MCS7)
	1	11.89	-66.44
	6	12.07	-66.53
	11	12.38	-66.88

3-2 VSWR



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3-3 No-source test data

Frequency	Efficiency	Efficiency (dB)	Gain (dB)
2400MHz	63%	-1.98	5.95
2410MHz	64%	-1.95	5.52
2420MHz	65%	-1.85	5.63
2430MHz	66%	-1.83	5.53
2440MHz	65%	-1.89	5.58
2450MHz	65%	-1.86	5.74
2460MHz	66%	-1.83	5.91
2470MHz	65%	-1.88	6.02
2480MHz	65%	-1.89	5.92
2490MHz	64%	-1.96	5.96
2500MHz	63%	-2.01	6.06

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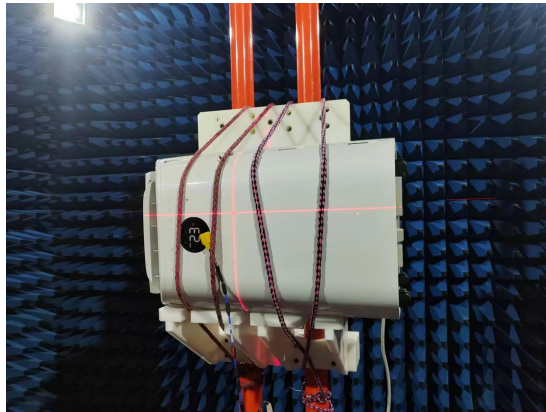
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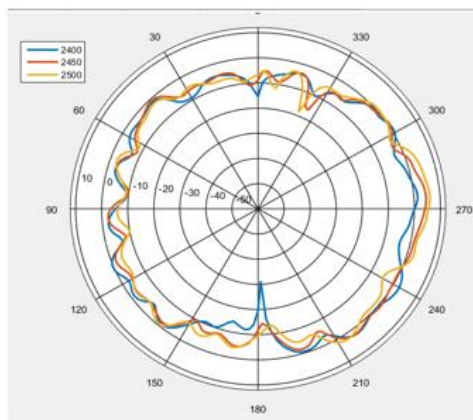
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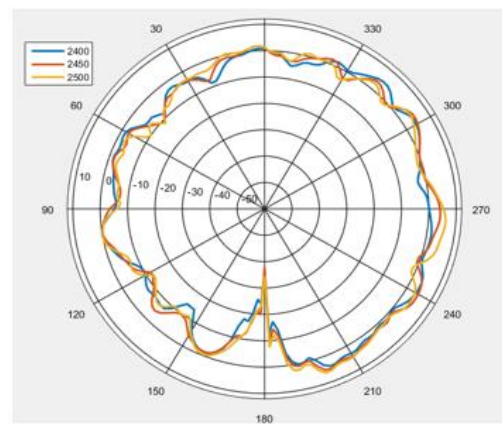
3-4 2D/3D Radiation Pattern Results



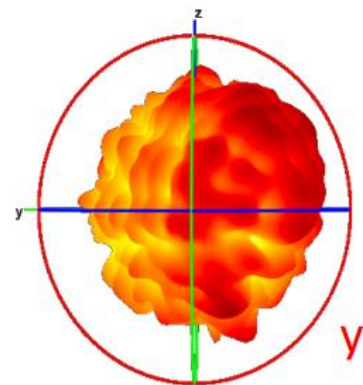
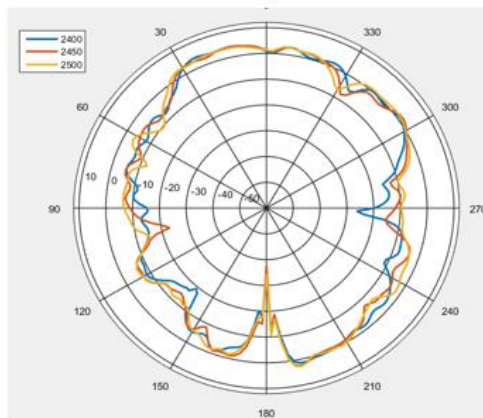
xoy



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XOZ



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3-5 Environmental treatment

