

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER	Husung	
	CS P/N		
	TEST MODEL	HHM006S	
	PART NAME	WIFI antenna module	
	FREQUENCY	2400~2500MHz	
	ZTX NO.	2.00001319	
	DATE	2024-11-12	

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
2024.11.12		覃乐	江博厚	



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ANTENNA SPECIFICATION

Revision history

edition	date	status
A0	2024-11-12	first edition

ANTENNA SPECIFICATION

CUS P/N:HHM006S

ZTX P/N :HHM006S

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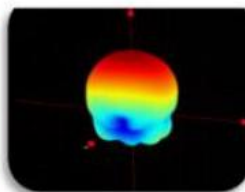
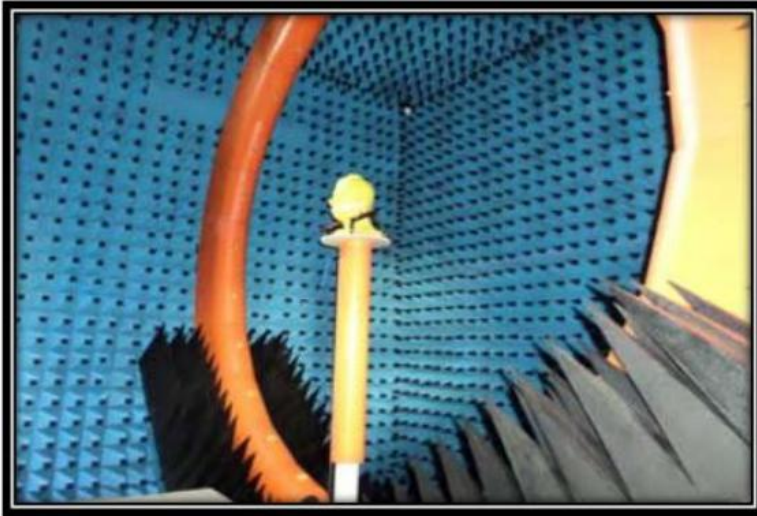
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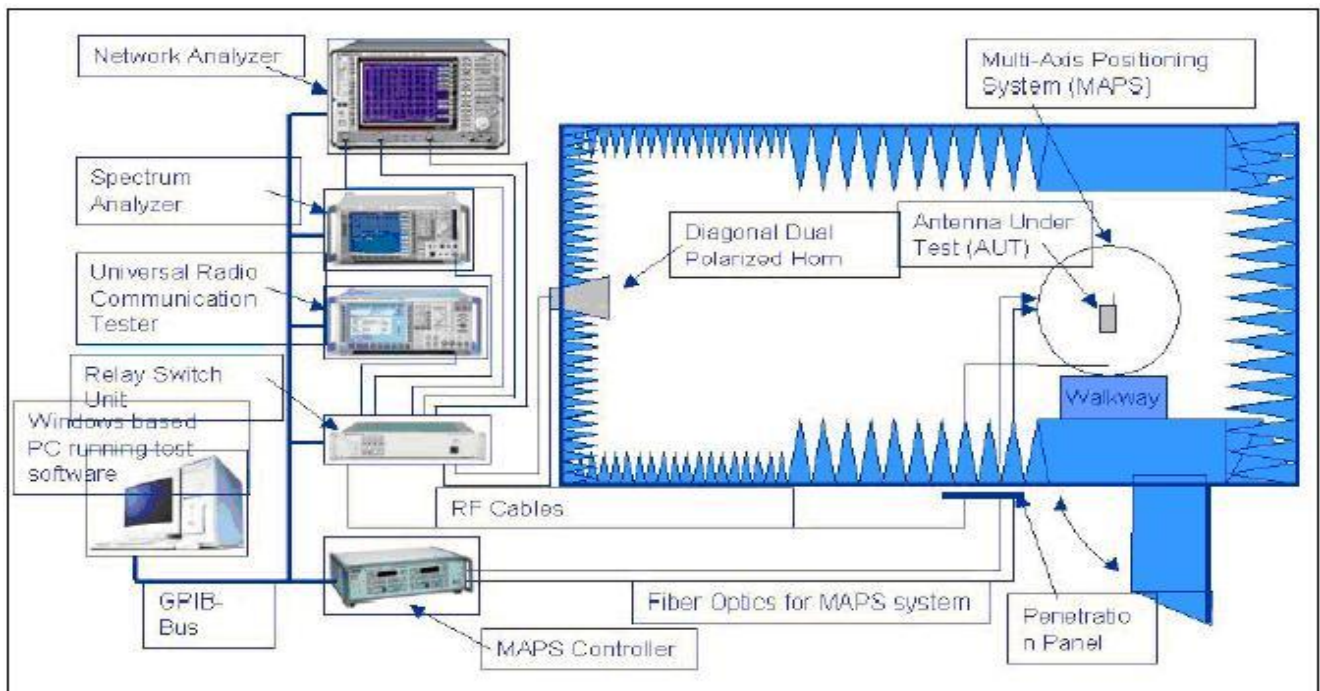
2. Test equipment



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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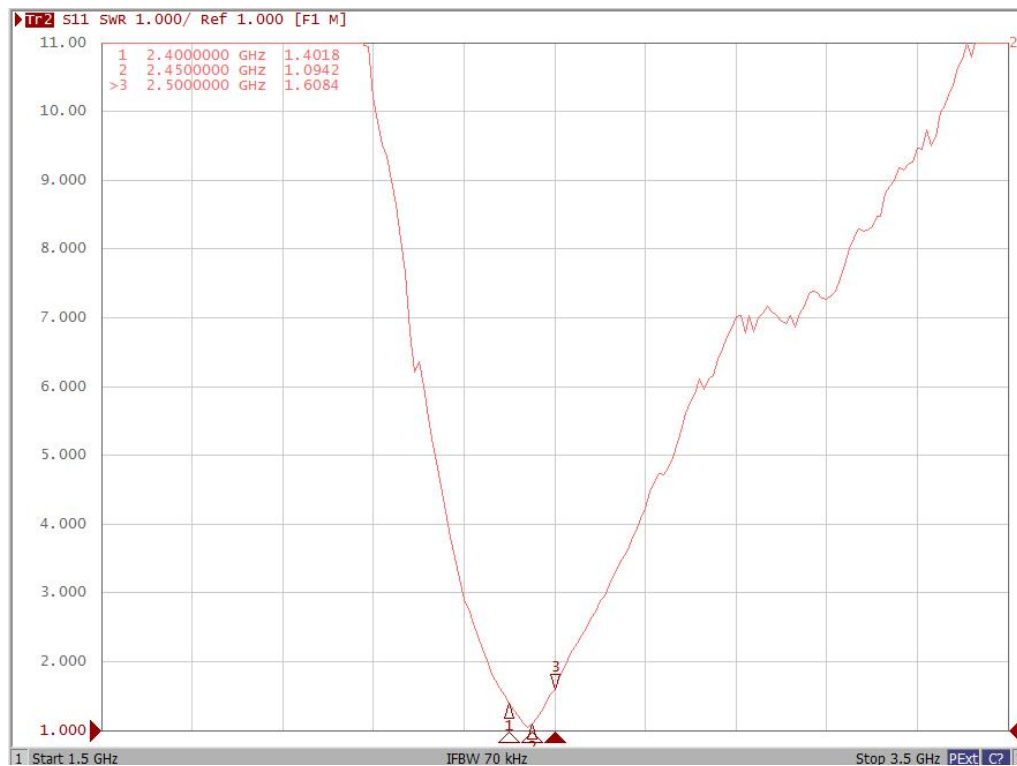
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3.Test Results Summary

3-1 Active Test

50%水量 开启一档加湿功能				90%水量 开启一档加湿功能			
Mode	Channels	TRP	TIS	Mode	Channels	TRP	TIS
B (11M/11M)	1	15.39	-84.05	B (11M/11M)	1	15.32	-84.77
	6	15.47	-84.18		6	15.56	-84.3
	11	15.15	-84.35		11	15.26	-83.69
G (6M/54M)	1	13.11	-69.66	G (6M/54M)	1	13.07	-69.8
	6	13.24	-69.34		6	13.29	-68.99
	11	13.03	-68.87		11	12.85	-69.14
N (MCS0/MCS7)	1	12.65	-64.83	N (MCS0/MCS7)	1	12.75	-64.72
	6	12.07	-64.96		6	12.09	-65.05
	11	12.43	-63.95		11	12.34	-63.55

3-2 VSWR



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3-3 No-source test data

Frequency	Efficiency	Gain . dB
2400MHz	61%	3. 92
2410MHz	60%	3. 90
2420MHz	61%	3. 78
2430MHz	62%	3. 56
2440MHz	62%	3. 31
2450MHz	61%	3. 03
2460MHz	61%	2. 94
2470MHz	61%	2. 85
2480MHz	60%	2. 56
2490MHz	61%	2. 49
2500MHz	60%	2. 53

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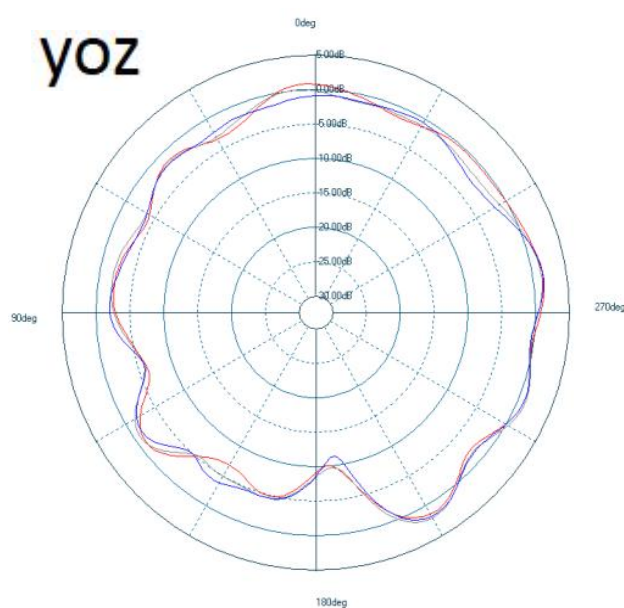
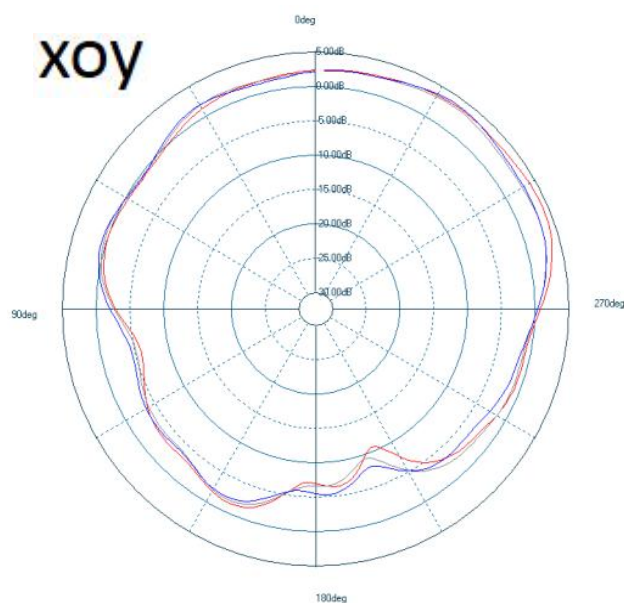
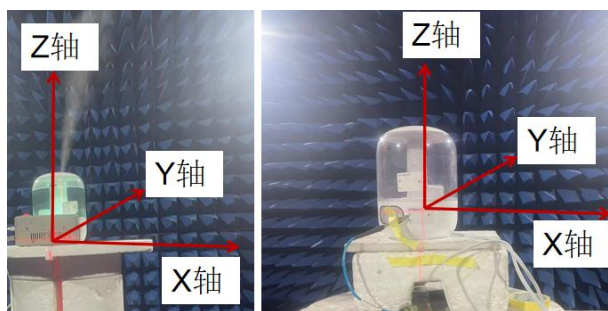
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3-4 2D/3D Radiation Pattern Results



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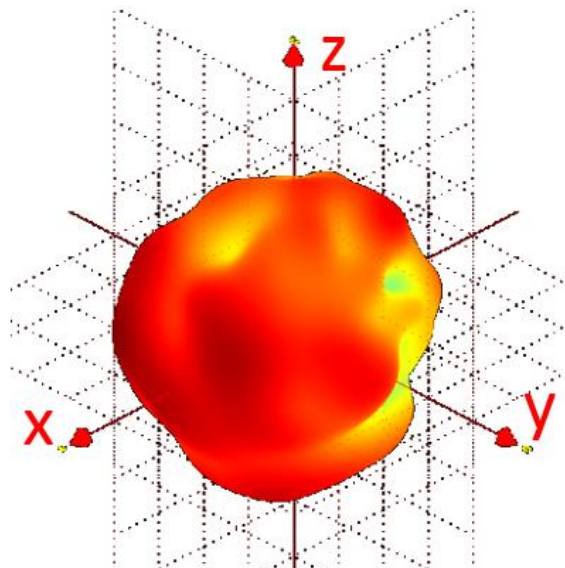
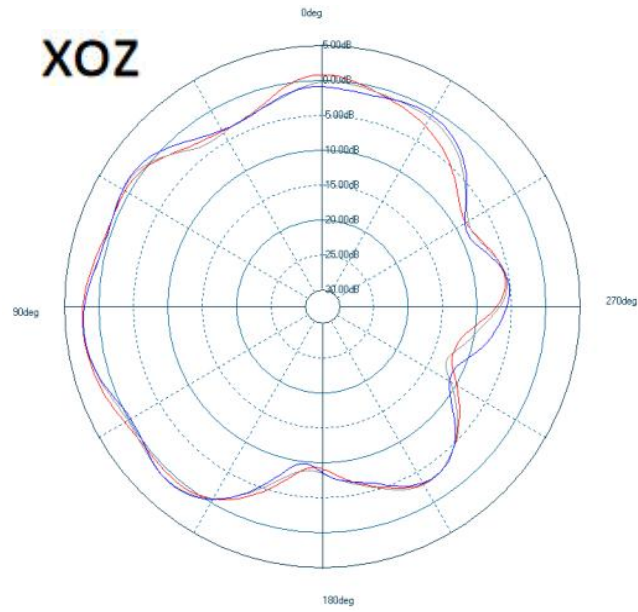
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3-5 Environmental treatment

2400-2500MHz

天线位置 antenna position

