

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER	Hesung Innovation Limited	
	CS P/N		
	TEST MODEL	HHM006S Humidifier	
	PART NAME	WIFI antenna components	
	FREQUENCY	2400~2500MHz	
	ZTX NO.	2.00001319	
	DATE	2025-01-08	

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
		Le.Qin	Bohou.Jiang	



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ANTENNA SPECIFICATION

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Revision history

Edition	Date	state
A0	2025-01-08	First edition

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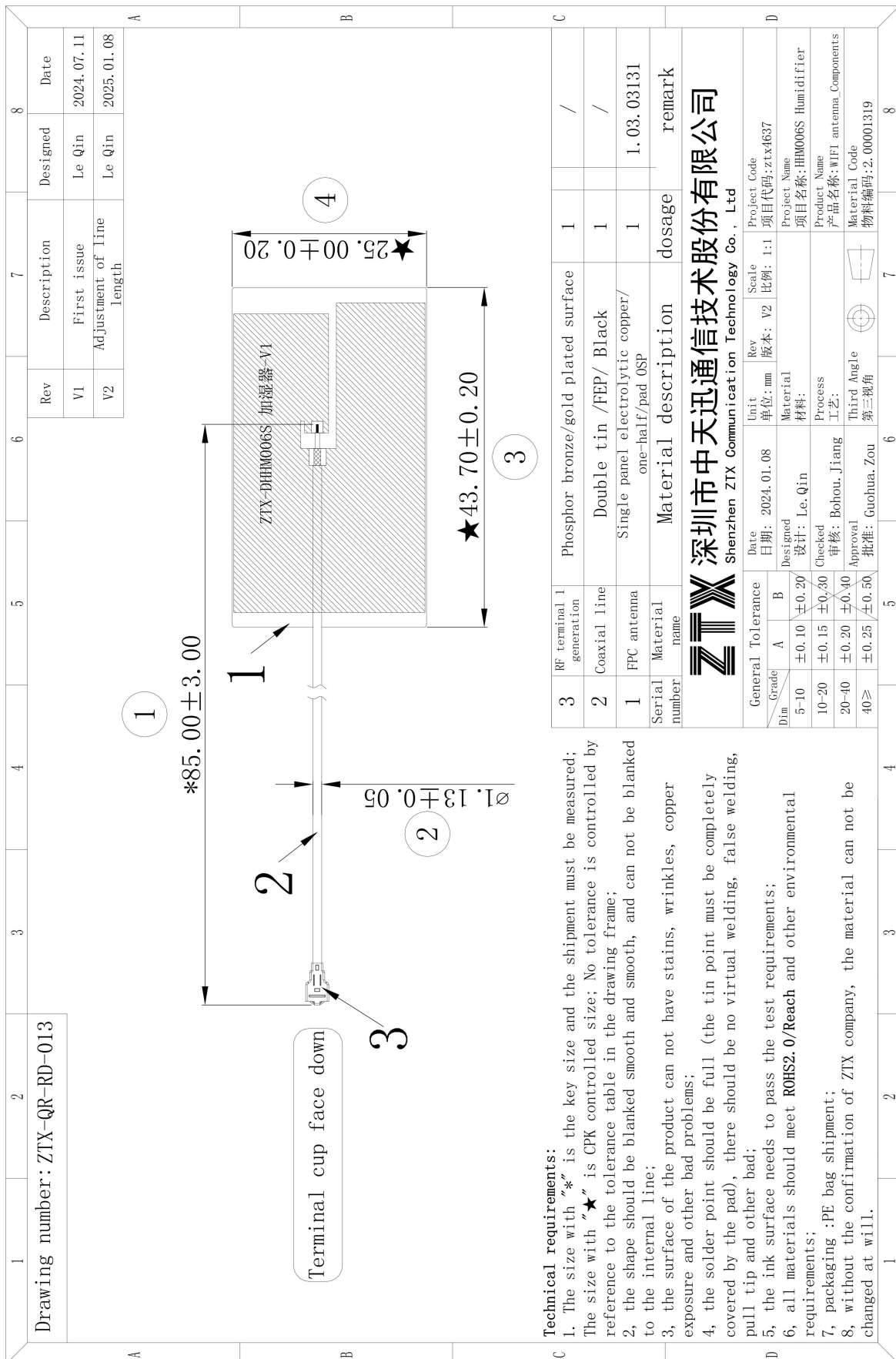
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1. Mechanical Specification

1-1 Mechanical Configuration (WIFI antenna components)



ANTENNA SPECIFICATION

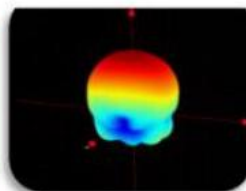
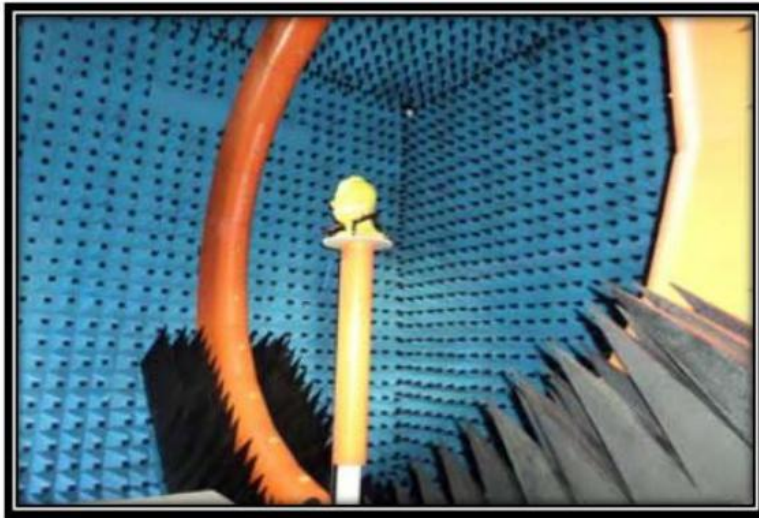
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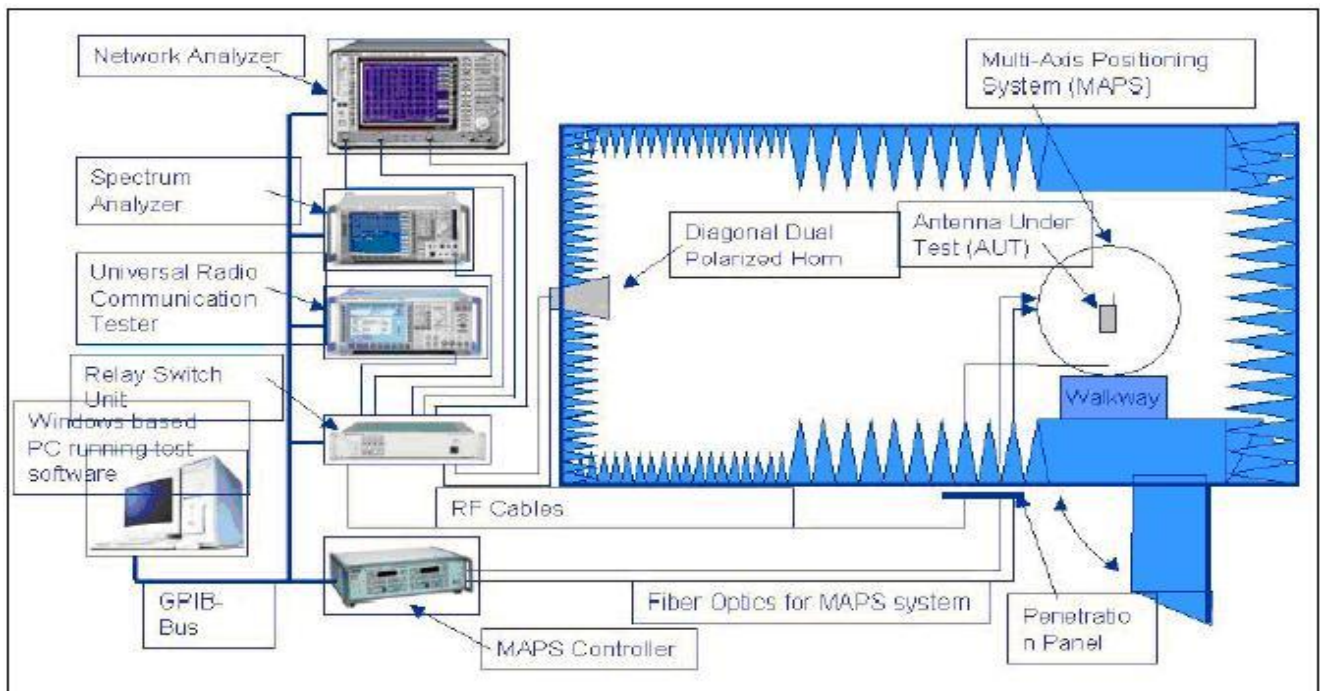
2. Test equipment



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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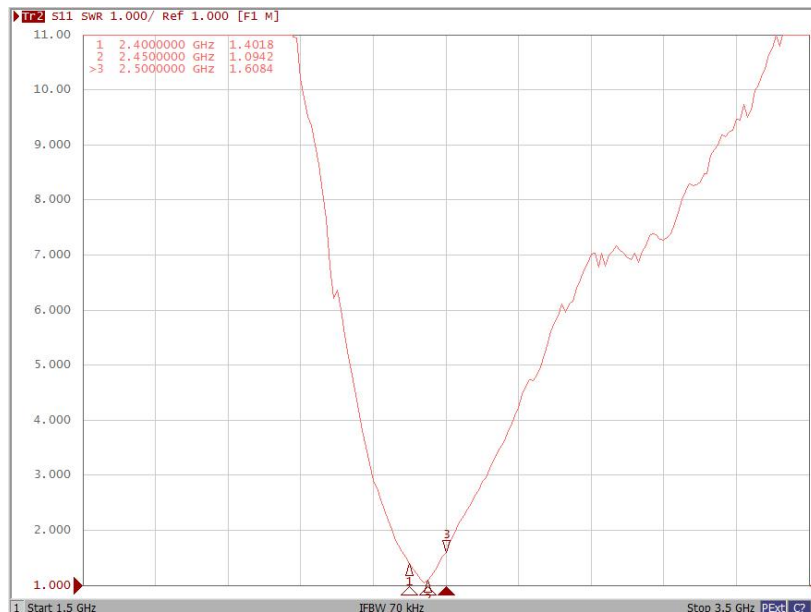
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3.Test Results Summary

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



3-3 No-source test data

Frequency	Efficiency	Gain . dB
2400MHz	63%	2.73
2410MHz	64%	2.46
2420MHz	64%	2.33
2430MHz	66%	2.19
2440MHz	66%	2.05
2450MHz	67%	1.96
2460MHz	65%	1.91
2470MHz	64%	2.03
2480MHz	62%	1.99
2490MHz	61%	2.05
2500MHz	60%	2.39

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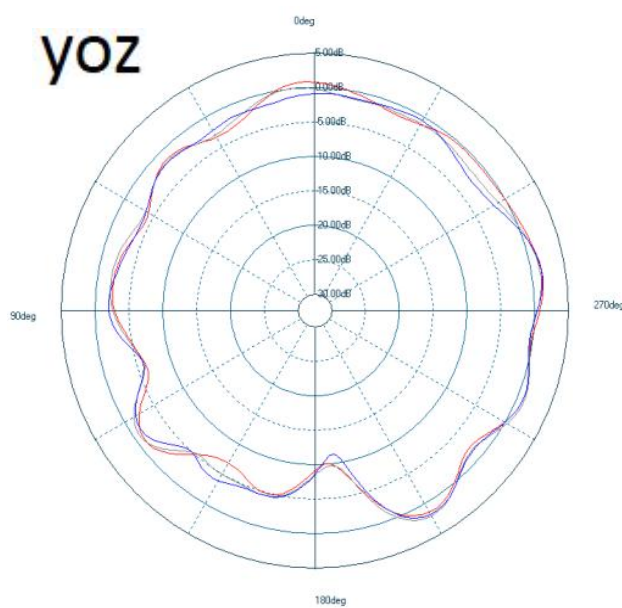
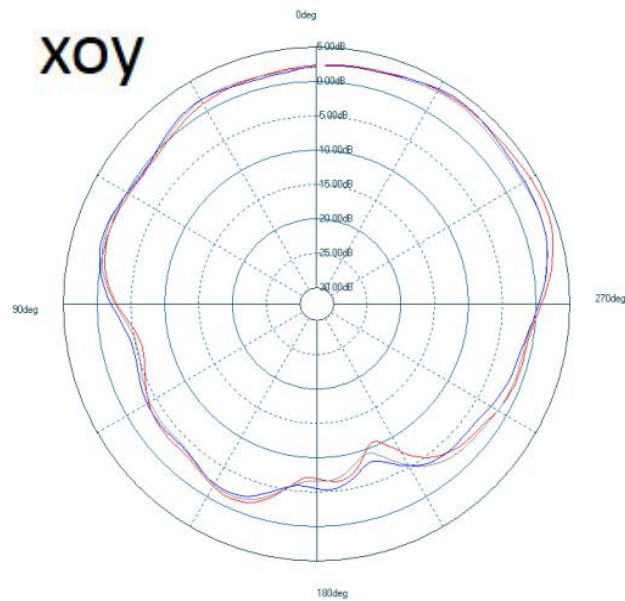
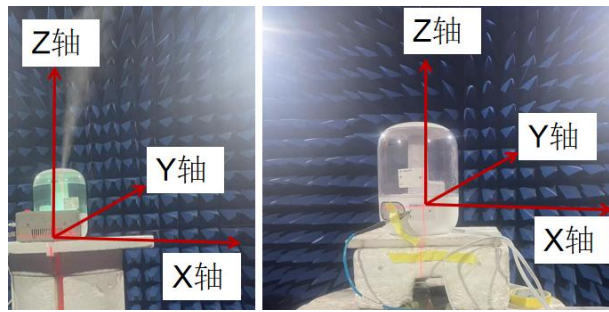
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3-4 2D/3D Radiation Pattern Results



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