

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER	Hesung	
	CS P/N		
	TEST MODEL	DR-HDH001S	
	PART NAME	WIFI antenna module	
	FREQUENCY	2400~2500MHz	
	ZTX NO.	2.00001595	
	DATE	2025-01-09	

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
		覃乐	王倩	



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ANTENNA SPECIFICATION

CUS P/N:DR-HDH001S_WIFI antenna module

Application Date:Jan,09,2025

Rev: R:A0

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Revision history

edition	date	state
A0	2025-01-09	first edition

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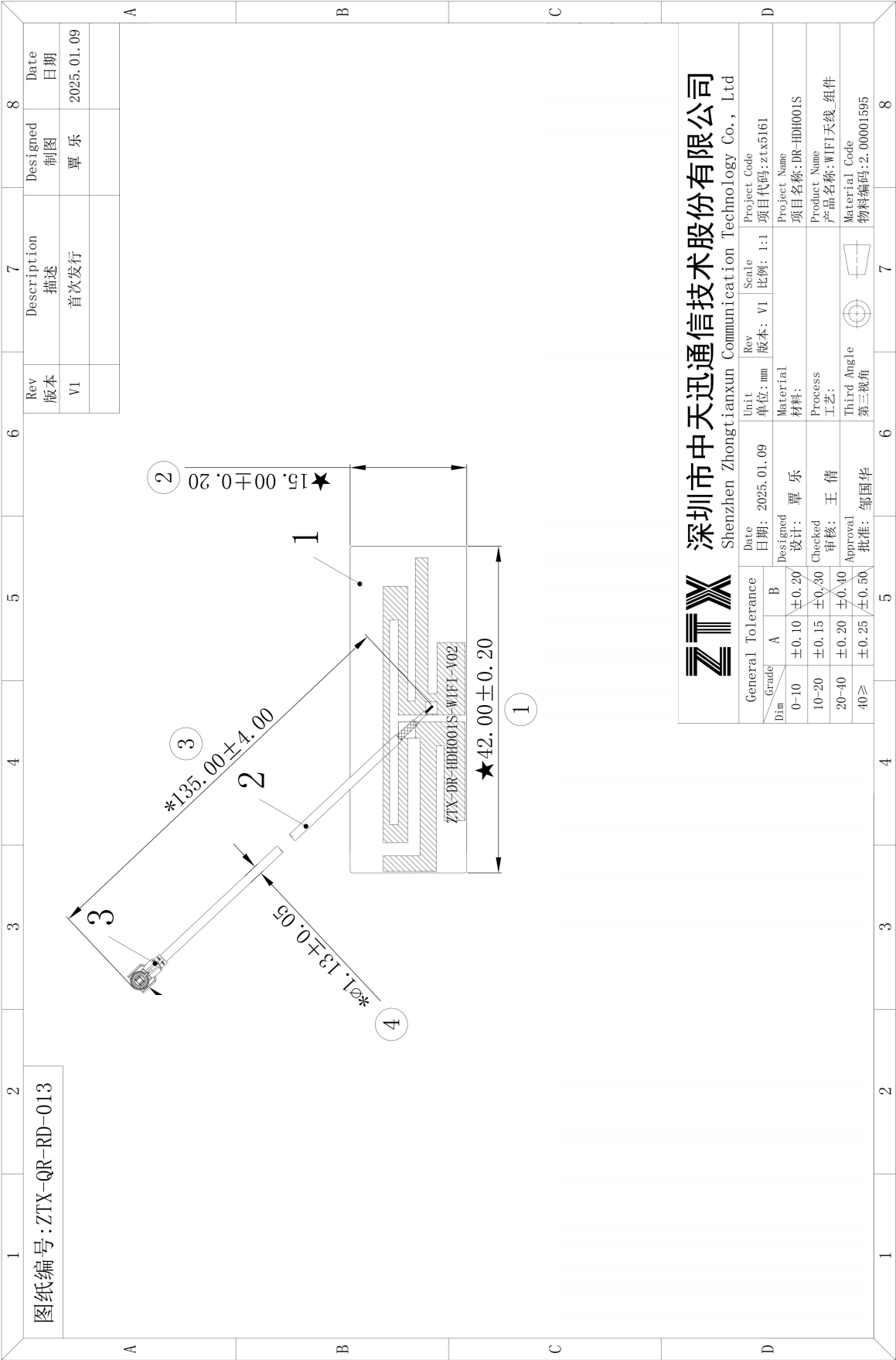
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ANTENNA SPECIFICATION

1. Mechanical Specification

1-1 Mechanical Configuration (WIFI antenna module)



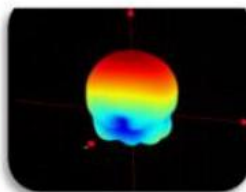
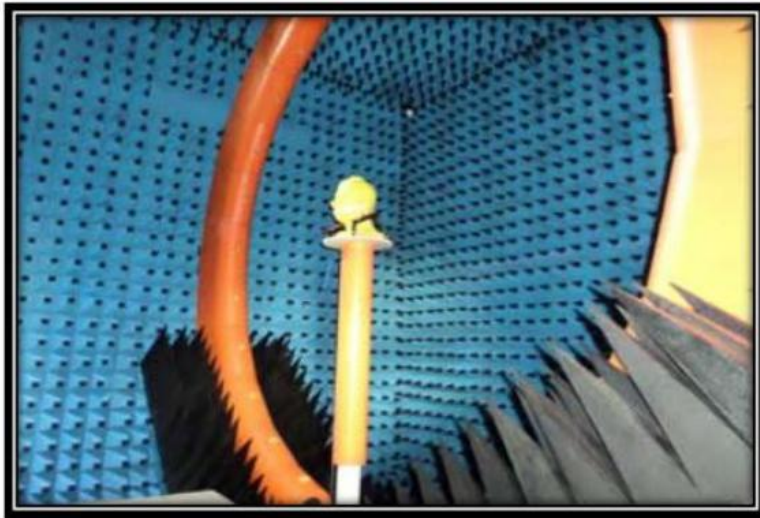
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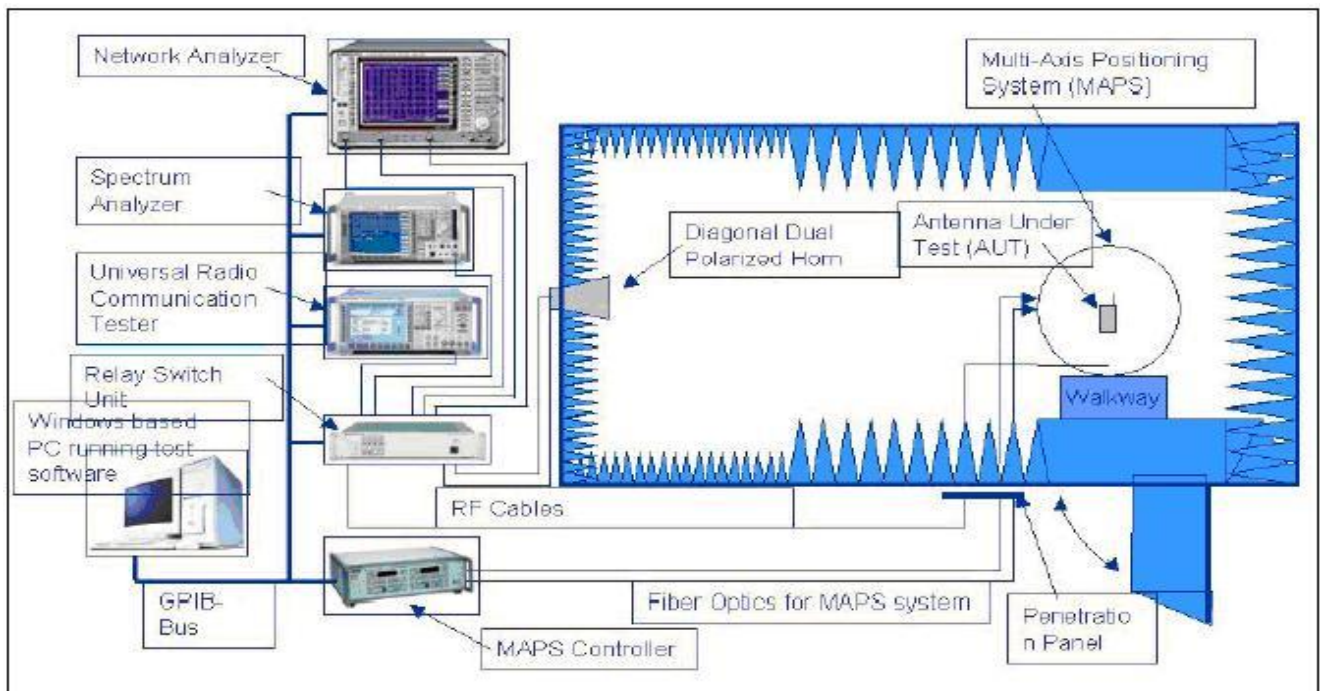
2. Test equipment



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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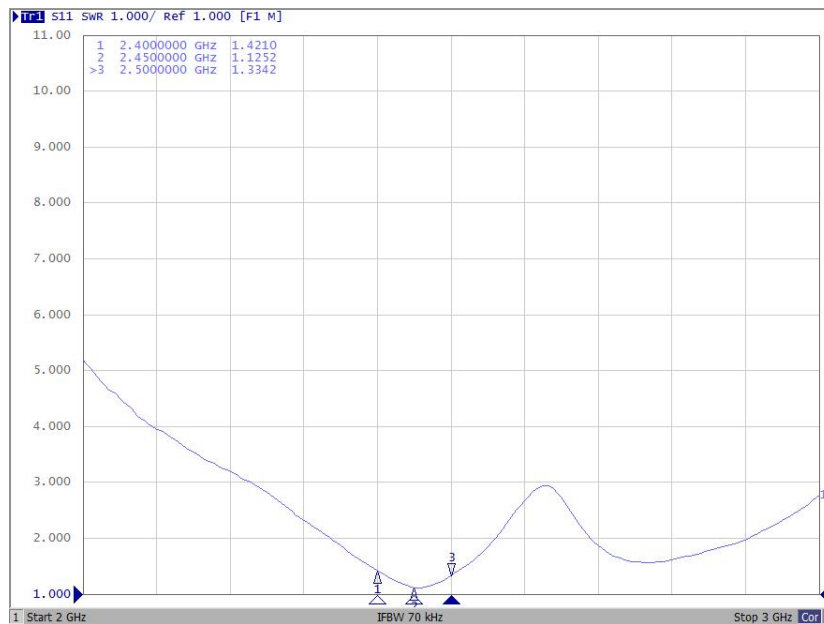
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3.Test Results Summary

3-1 Active Test

Mode	Channels	TRP	TIS
B (11M/11M)	1	15.54	-85.49
	6	15.65	-84.54
	11	16.43	-84.13
G (6M/54M)	1	13.59	-73.71
	6	13.70	-73.21
	11	14.75	-73.44
N (MCS0/MCS7)	1	12.08	-68.23
	6	12.01	-68.4
	11	12.7	-68.85

3-2 VSWR



3-3 No-source test data

Frequency (MHZ)	Efficiency	Efficiency . dB	Gain . dB
2400	66%	-1.82	5.08
2410	65%	-1.84	4.96
2420	65%	-1.84	5.17
2430	66%	-1.78	5.38
2440	67%	-1.71	5.66
2450	68%	-1.68	6.00
2460	66%	-1.79	5.84
2470	65%	-1.86	5.76
2480	66%	-1.82	6.19
2490	67%	-1.76	6.62
2500	65%	-1.89	6.43

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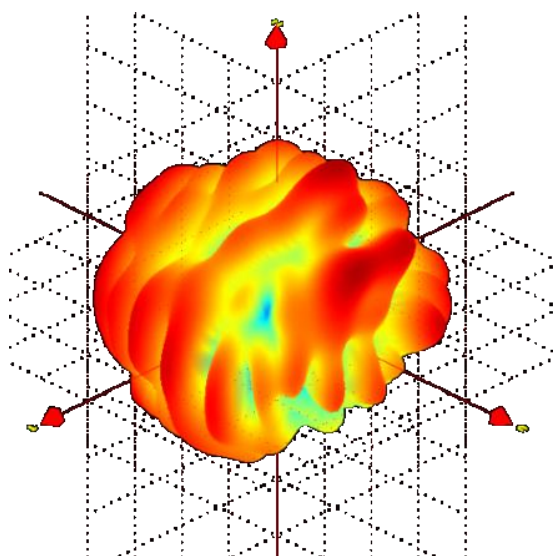
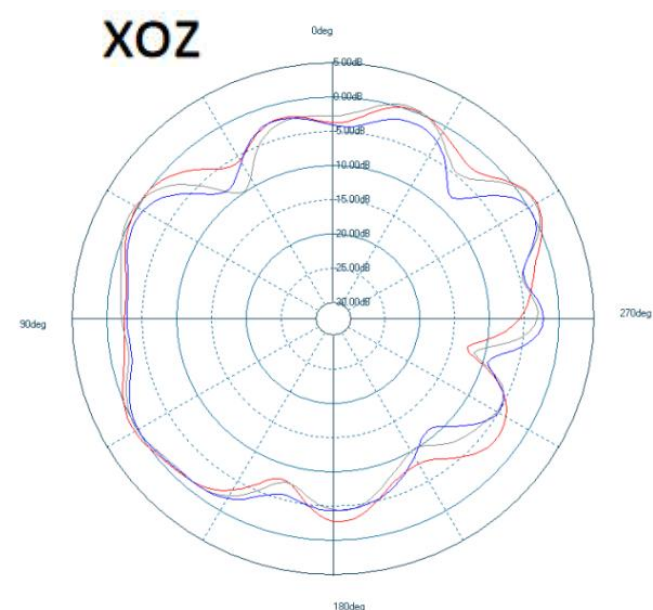
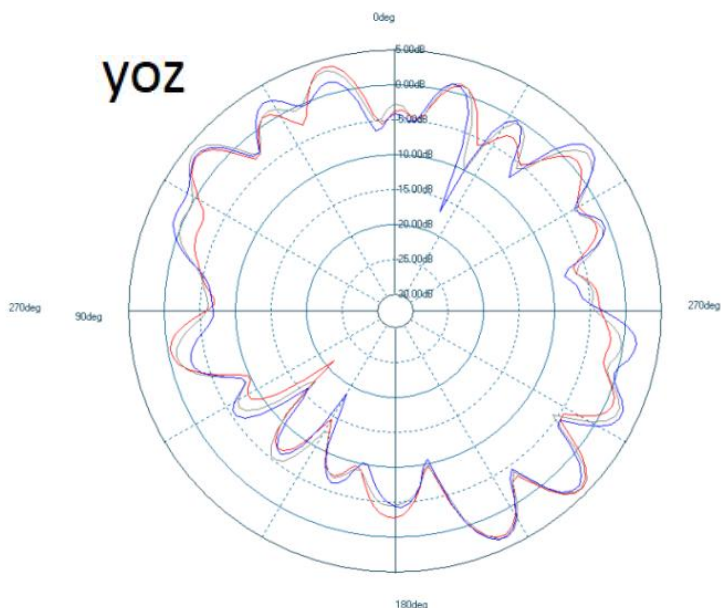
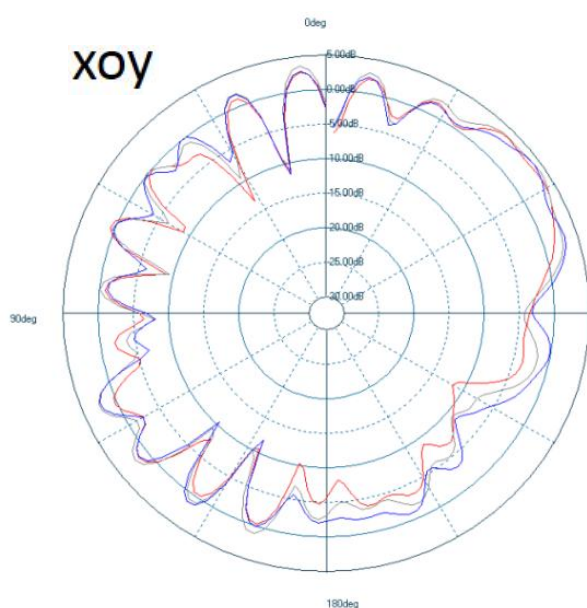
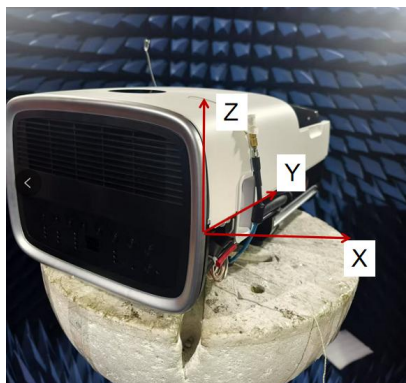
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3-4 2D/3D Radiation Pattern Results



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3-5 Environmental treatment

