



香港鑫恒陽股份有限公司
HongKong Xinghengyang Stock Co., Ltd.
深圳市鑫恒阳科技有限公司
ShenZhen XinHengYang Technology co., Ltd



Xinhengyang Antenna Test Data Report

Customer name		Heshijia	Project name	DR_PFV01
NO	item		Specification	
1	Frequency band		2.4G	
2	Item type		Pet feeder-WIFI	
3	Antenna space area		1代	
4	Feed point type		CABLE	
5	sensitivity		L=200m	
6	Antenna type		dipole	
7	Antenna material		FPC+Coaxial line	
8	Remarks			
RF	Tanping Xiao		17347352784	xinhengyang1116@163.com

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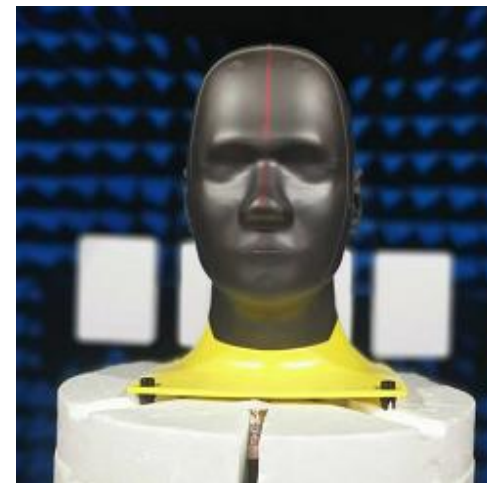
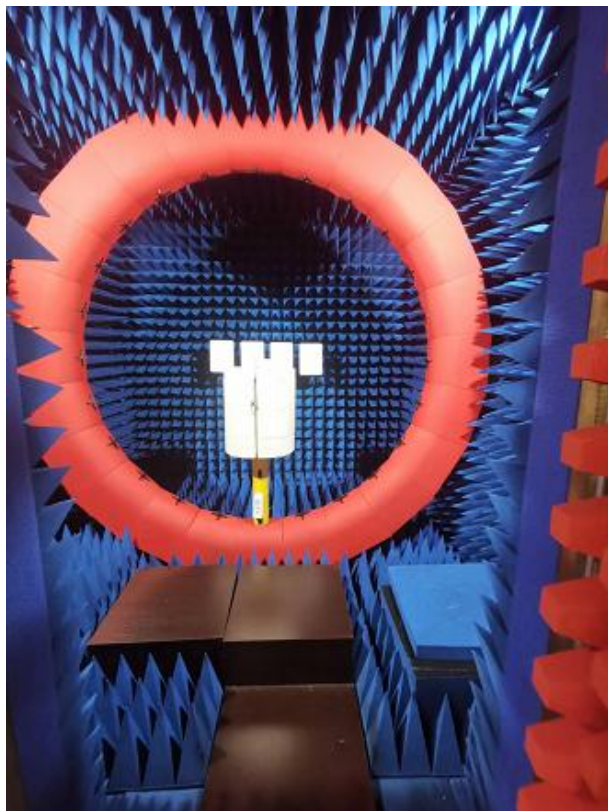
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I. Introduction to the Test Darkroom

1. Active testing: Supports multi-mode measurement of NB-iot, eMTC, CAT-1, Bluetooth1-5, wifi 802.11ABGN in 2, 3, 4.5G standards, and can measure TRP TIS
2. Passive testing: It can test gain and efficiency
3. A complete set of TWS earphone test headsets, including human heads and hands



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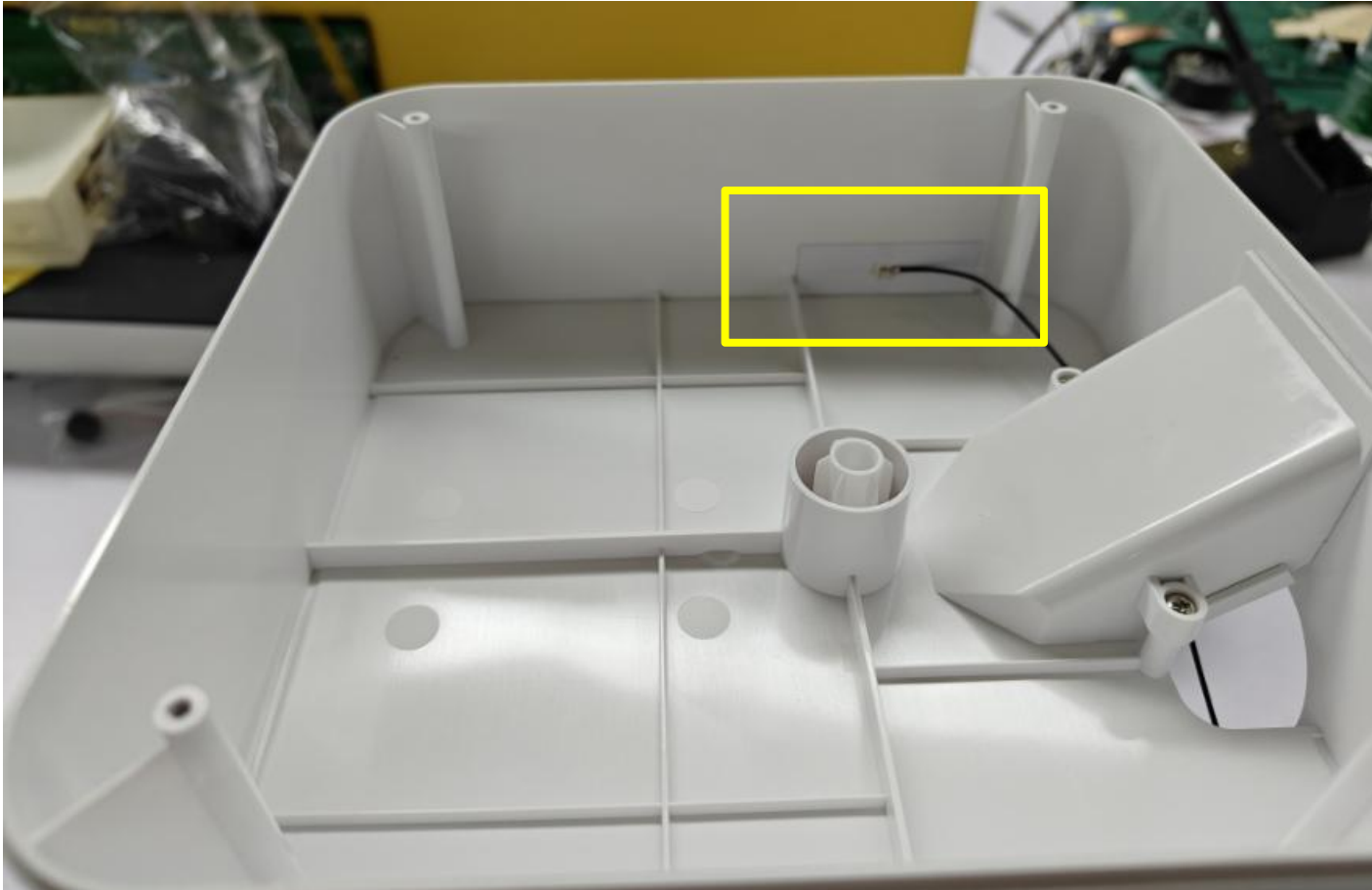
Ii. Machine Pictures



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Iii. WIFI

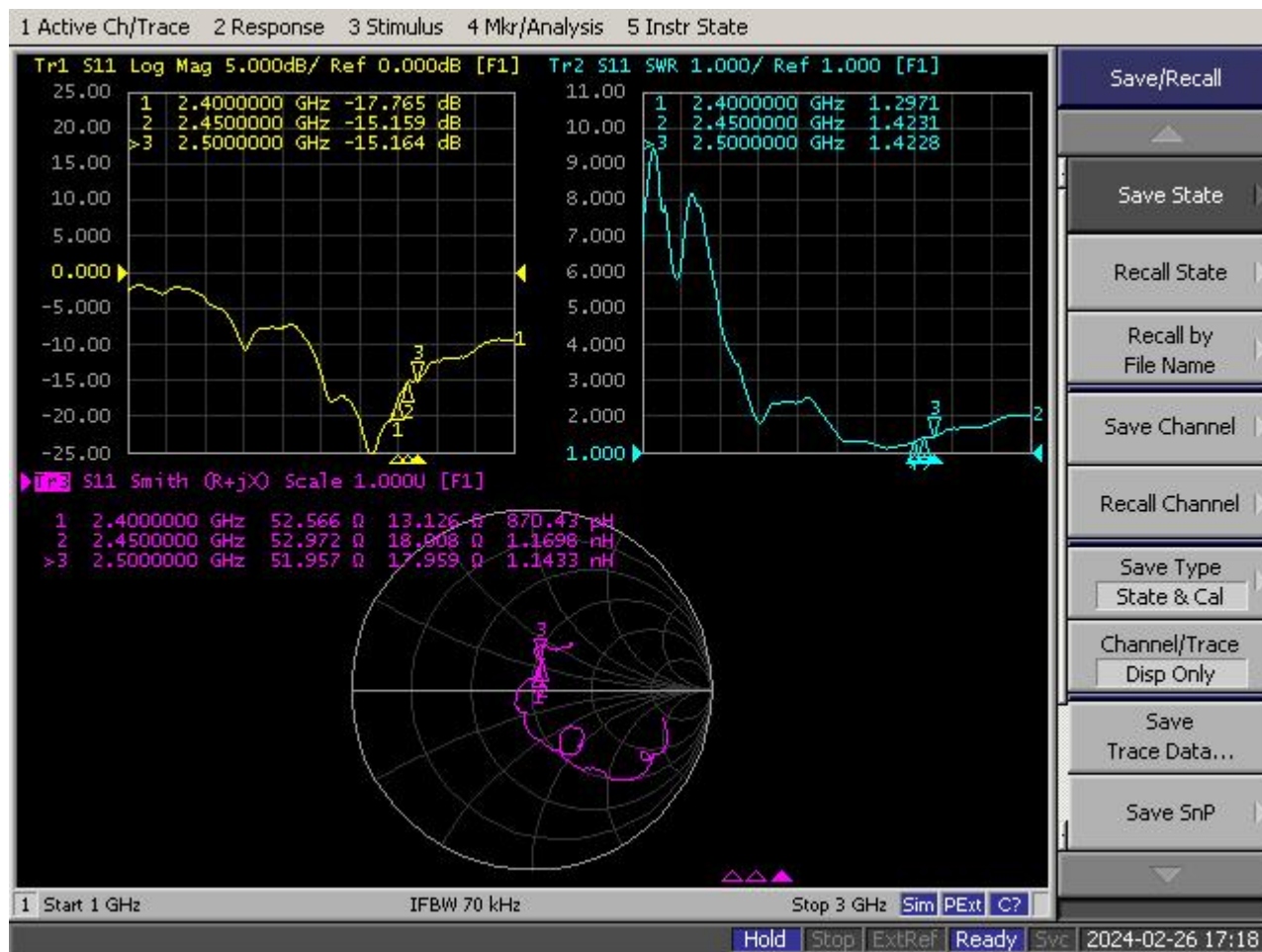
1. Antenna position



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Iii. WIFI

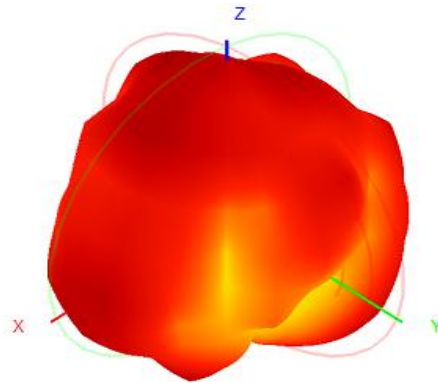
2. Return Loss&VSWR



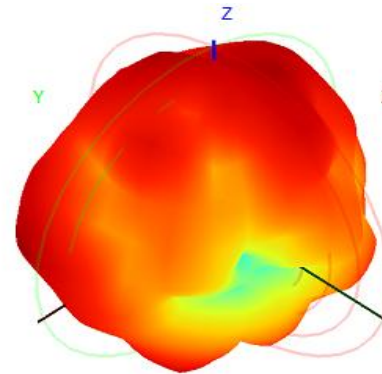
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Iii. WIFI

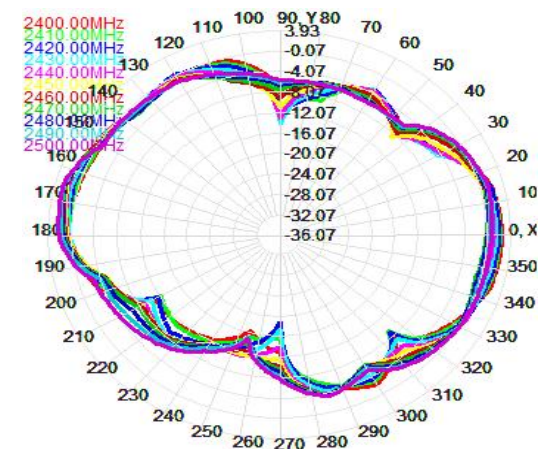
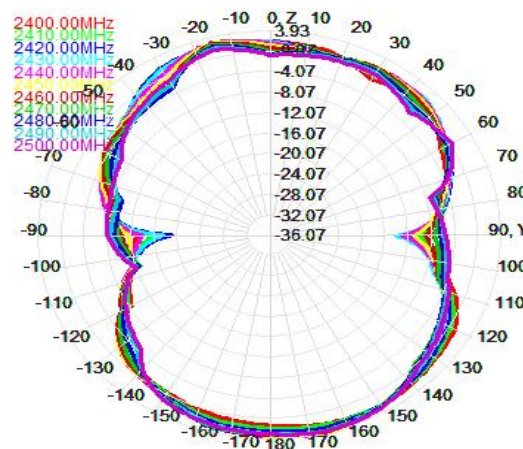
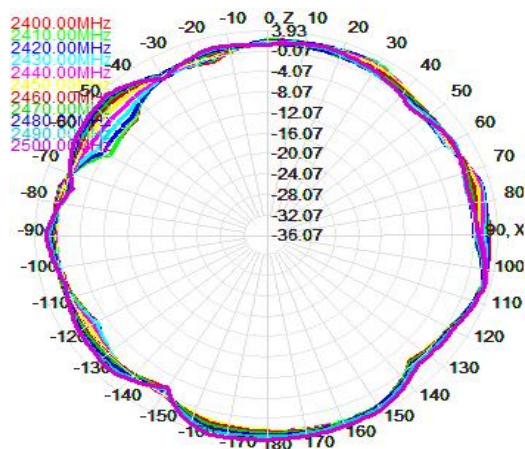
3. Passive data - 2400-2500MHZ field pattern



E1 (XZ)



E2 (YZ)



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Iii. WIFI

3. Passive data - Efficiency & Maximum gain: 2400-2500MHZ

Freq (MHz)	Effi (%)	Gain (dBi)
2400	58.03	3.32
2410	57.14	2.90
2420	57.69	3.12
2430	57.69	3.20
2440	59.64	3.37
2450	59.46	3.18
2460	59.39	2.99
2470	59.05	2.70
2780	60.21	2.85
2490	62.66	2.96
2500	65.59	3.28

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Iii. WIFI

4.OTA active data

BAND	802.11B 11Mbps	
	TRP (dBm)	TIS (dBm)
1	12.77	-85.23
6	13.95	-85.28
11	14.21	-85.91

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Iii. WIFI

4.OTA active data

BAND	802.11G 54Mbps	
	TRP (dBm)	TIS (dBm)
1	10.52	-71.62
6	10.29	-67.01
11	10.05	-70.08

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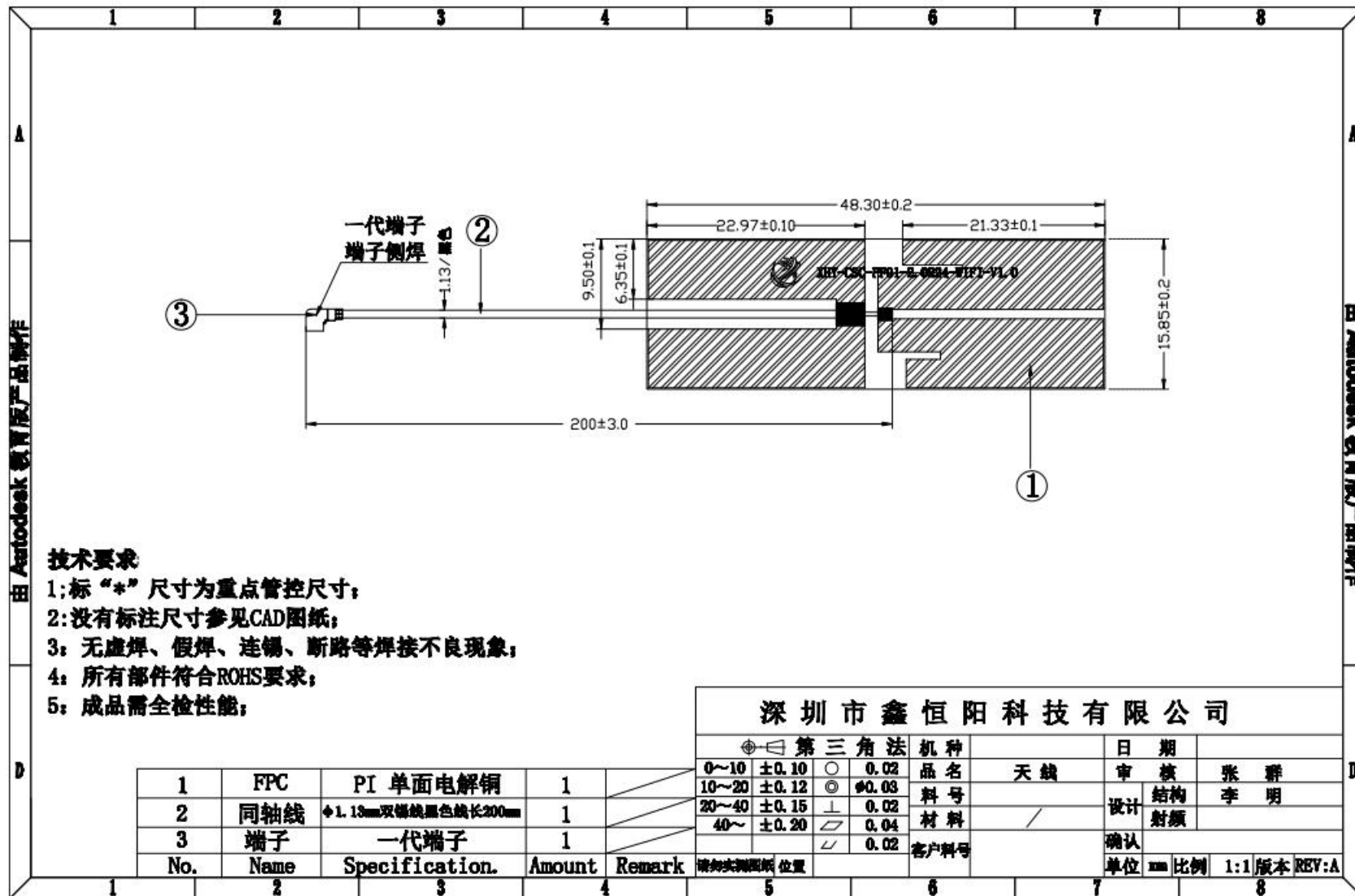
Iii. WIFI

4.OTA active data

BAND	802.11N NCS7	
	TRP (dBm)	TIS (dBm)
1	10.07	-66.47
6	10.78	-67.58
11	12.05	-64.00

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Iv. Finished antenna drawing





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thank you

If you have any questions, please call

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