
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
鑫恒阳
品牌强国
Focused and sustained doing one thing.
https://WWW.xhy-2008.com

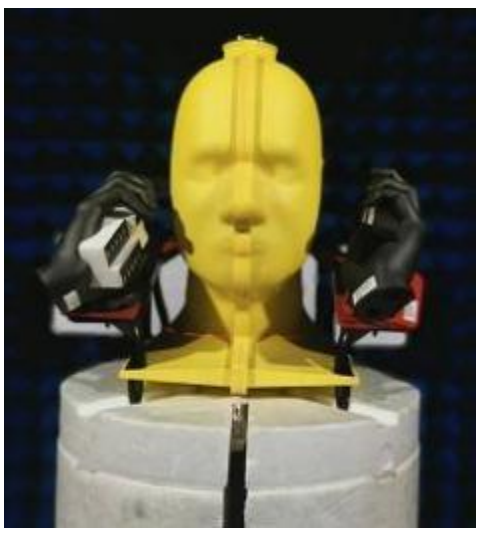
Xin Hengyang Antenna Test Data Report

Customer Name	Cyber Yuhua	Project Name	822
NO	Table of Contents	Elaborate	
1	Bandwidth	2.4G	
2	Project type	Watch	
3	Terminal	Welding	
4	Feedthrough type	/	
5	Line length	/	
6	Antenna types	PIFA	
7	Antenna material	FPC+Coaxial cable	
8	Note		
RF	Zhang Qun	13620917290	gc@xhy-2008.com

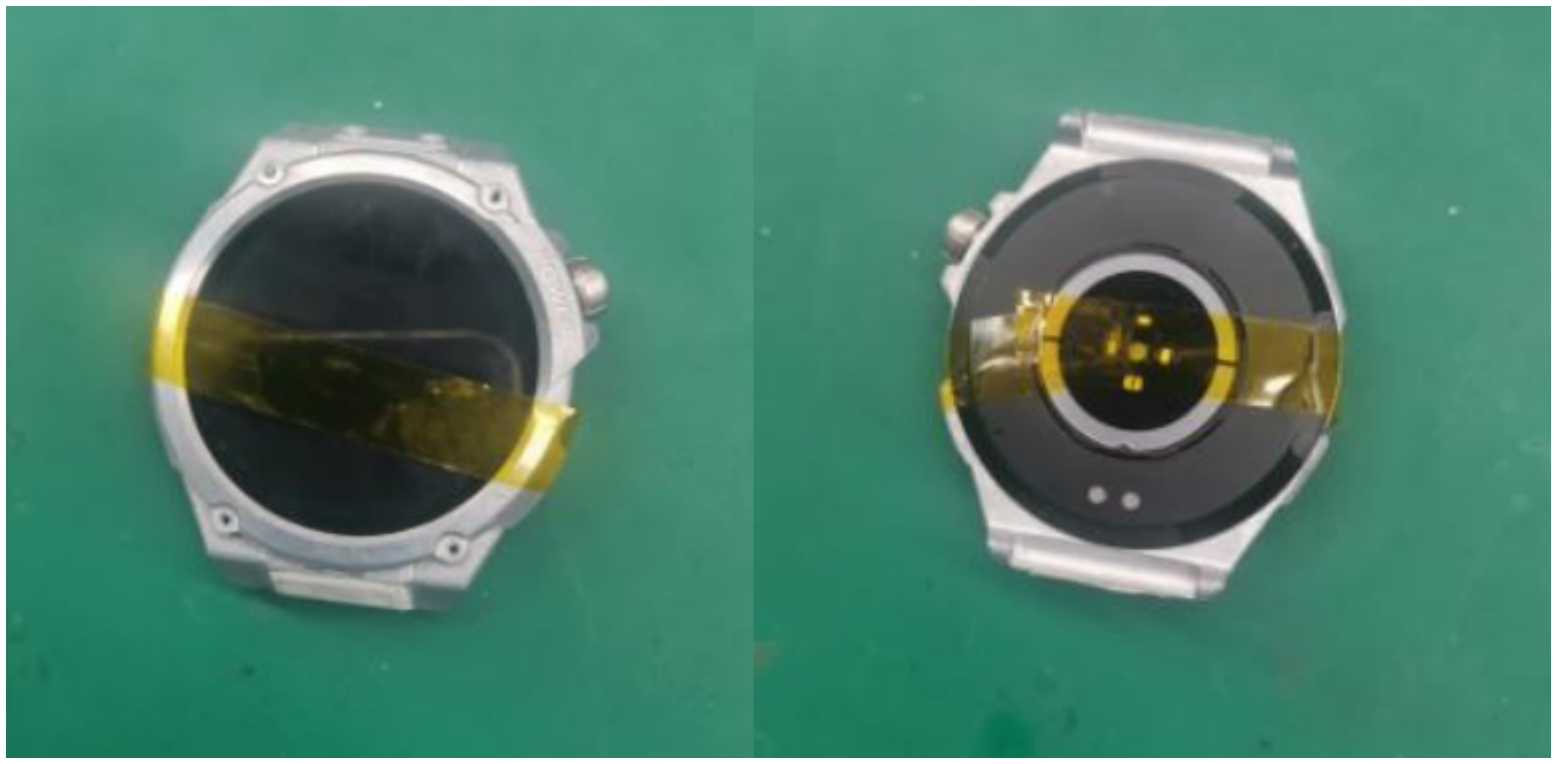
Table of Contents

I. Introduction to the Test Chamber

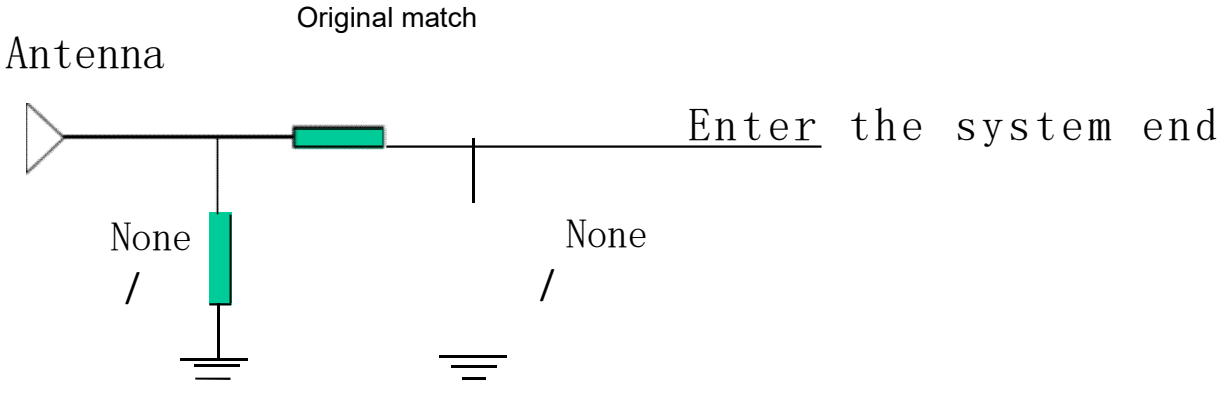
1. Active testing: Supports multi-mode measurement for 2.3.4.5G standards including NB-IoT, eMTC, CAT-1, Bluetooth 1-5, WIFI 802.11 abgn, capable of measuring TRP and TIS.
2. Passive testing: Can test gain and efficiency.
3. TWS earphone testing head model, complete head-hand set.



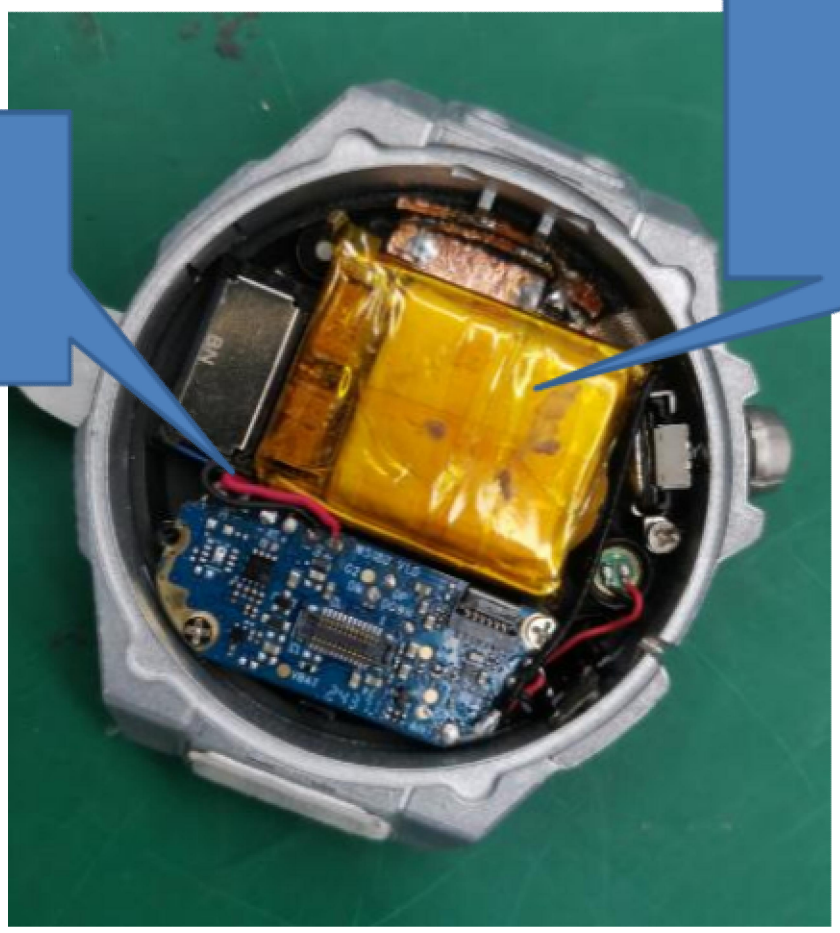
II.Machine photos



III. Matching Debugging

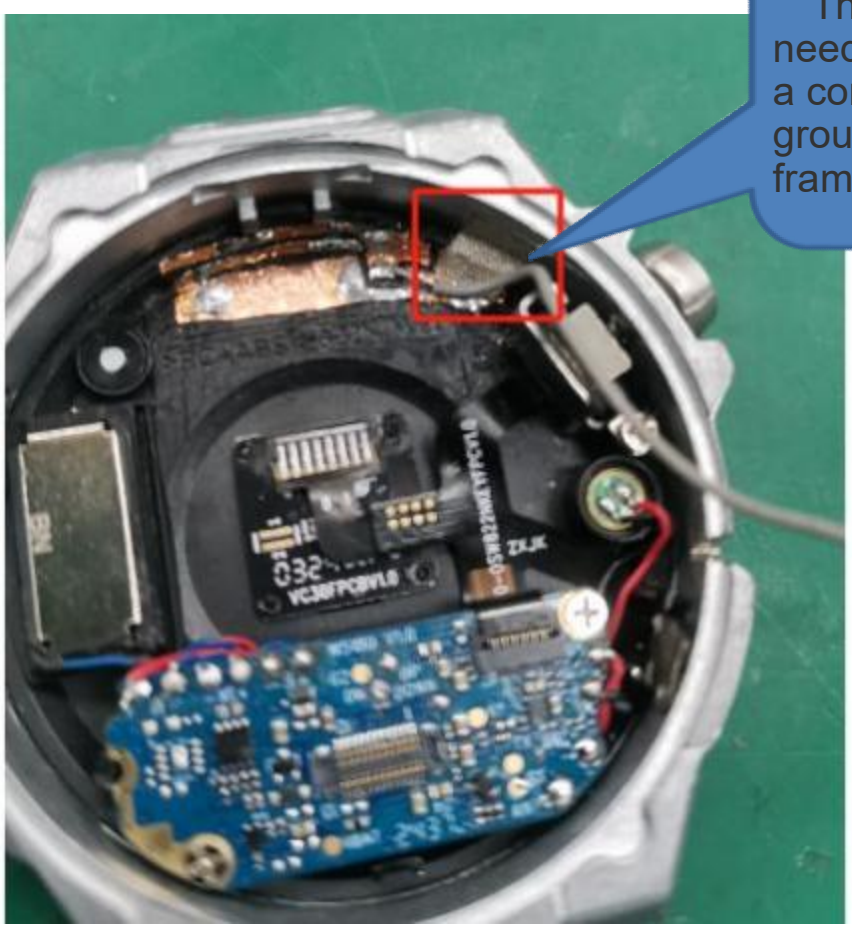


IV. Antenna assembly

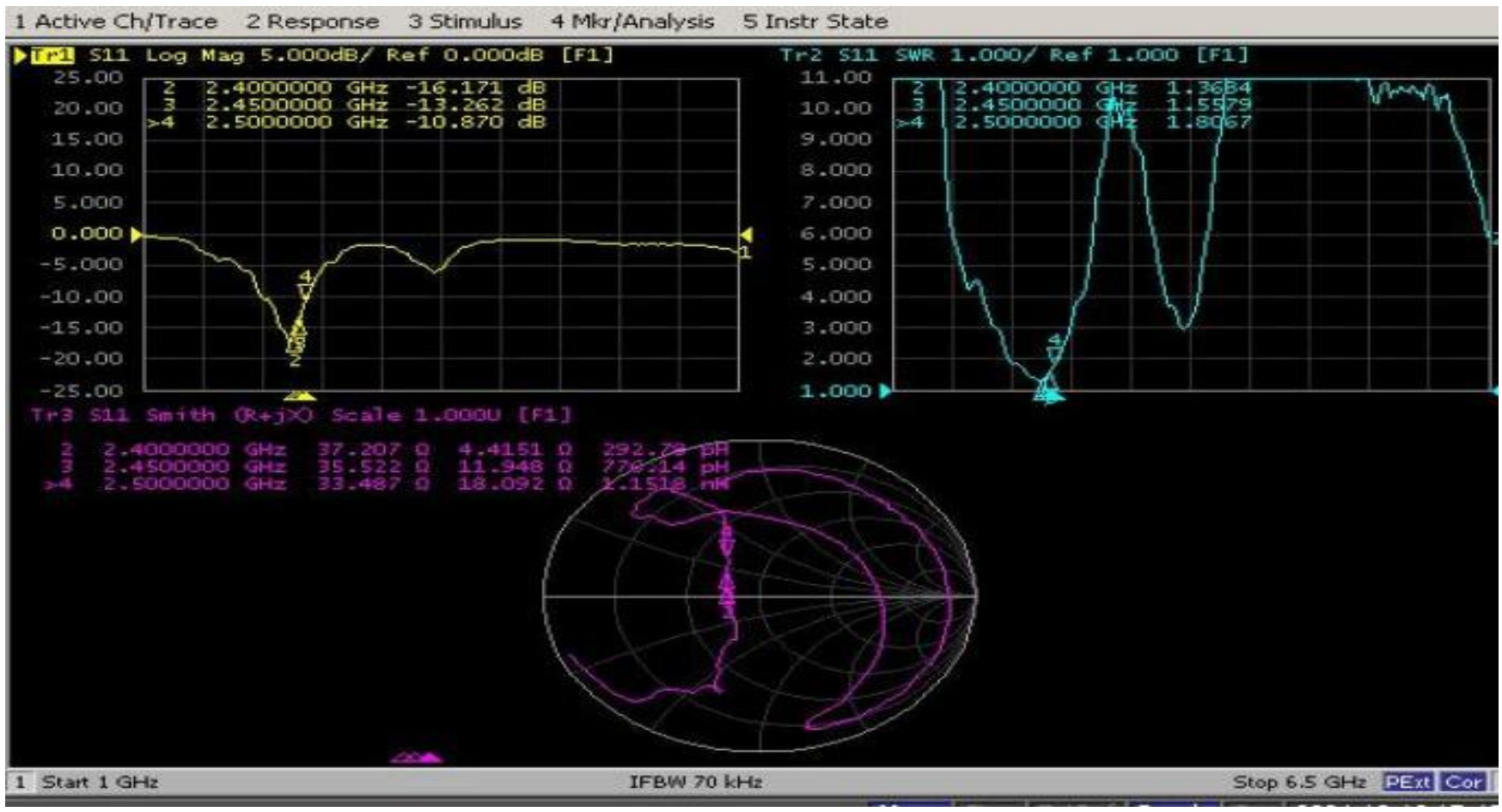


IV. Antenna assembly

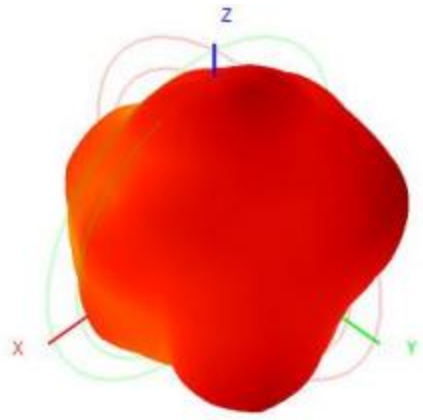
IV. Antenna assembly

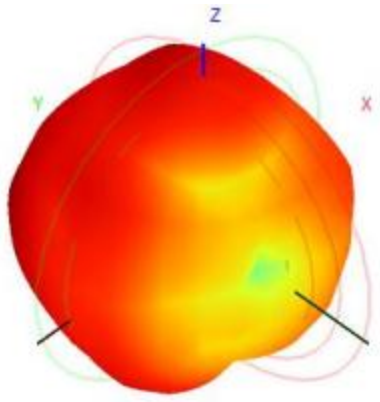


V. Passive Standing Wave

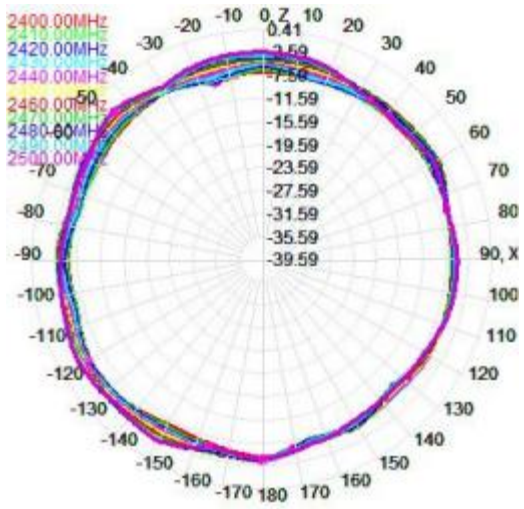


VI. Passive Field Type Diagram (2400-2500MHz)

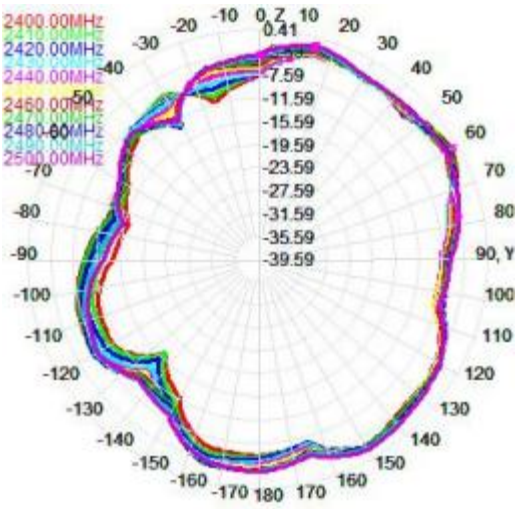




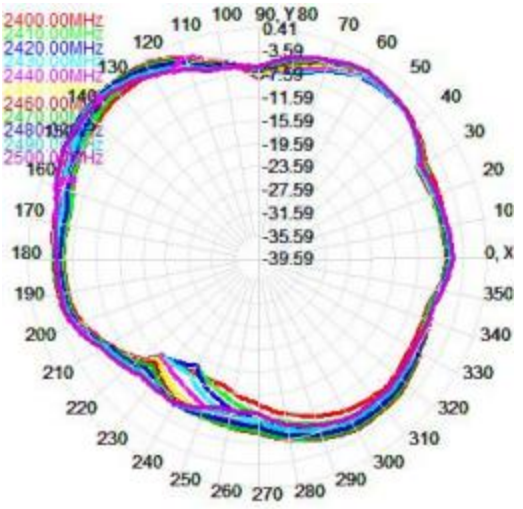
Total(E1-XZ)



Total(E2-YZ)



Total(H-XY)



VII. Passive Efficiency & Gain(2400-2500MHz)

Frequency ID	Frequency (MHz)	Gain (dBi)	Efficiency (%)
1	2400.0	-1.01	25.74
2	2410.0	-0.85	26.69
3	2420.0	-0.58	28.05
4	2430.0	-0.29	29.74
5	2440.0	0.09	31.17
6	2450.0	0.29	32.21
7	2460.0	0.41	33.14
8	2470.0	0.59	33.23
9	2480.0	0.72	33.31
10	2490.0	0.61	32.47
11	2500.0	0.53	32.73

VIII. Actual Measurement Distance

Location: Outdoor parking lot of Micro-Electro-Mechanical Systems Building
Test weather: Clear
Test time: Afternoon
Test equipment: Huawei Honor 20
Earphone test method: Fix the watch on a tripod and connect the earphones to play music. The tester wears the earphones and walks forward; if the music plays without buffering, it is considered an effective distance.
Earphone test distance: Approximately 18 meters to the side
Bluetooth call test: Connect the test device to the phone's Bluetooth and bind the test software. Use the watch to make a call, and while the tester moves forward wearing the watch, they continuously speak. If the call voice does not buffer, it is considered an effective distance.
Bluetooth call test distance: Approximately 10 meters to the back

Thank you.

If there are any questions, please contact us by phone.

RF Engineer: Zhang Qun
Mobile phone：13620917290

Phone：0755-83600916 R&D Department：0755-86715205
Fax：0755-88355591 URL：http://XHY-2008.com
Email：gc@xhy-2008.com QQ:84223786
Address：Room 1, Building B, Aerospace Micro Motor Building, No. 7, Langshan 2nd Road, Xili Street, Nanshan District, Shenzhen