



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



Focused and sustained doing one thing.
<https://WWW.xhy-2008.com>

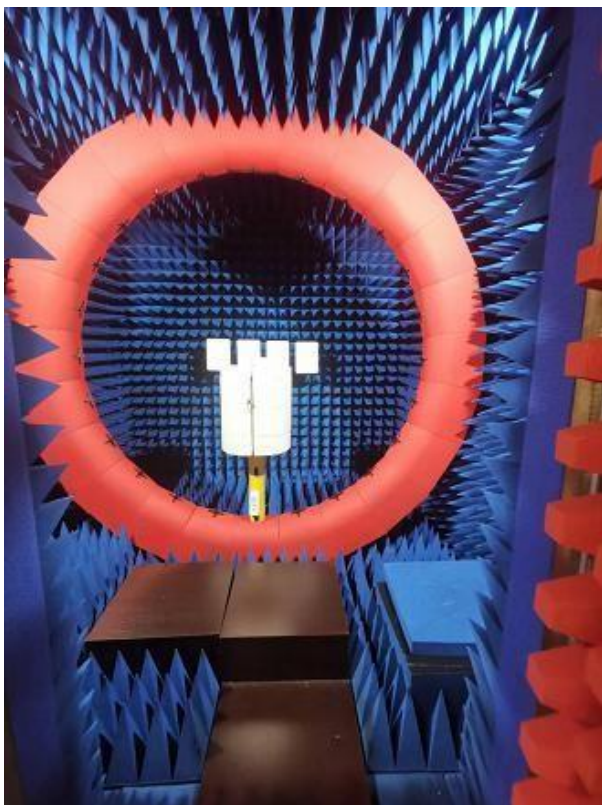
NO	Catalog		Details
1	Frequency band		2.4G
2	Project type		Watch
3	Terminal		Welding
4	Feed point type		/
5	Wire length		/
6	Antenna type		/
7	Antenna material		FPC+coaxial cable
8	Remarks		

Contents

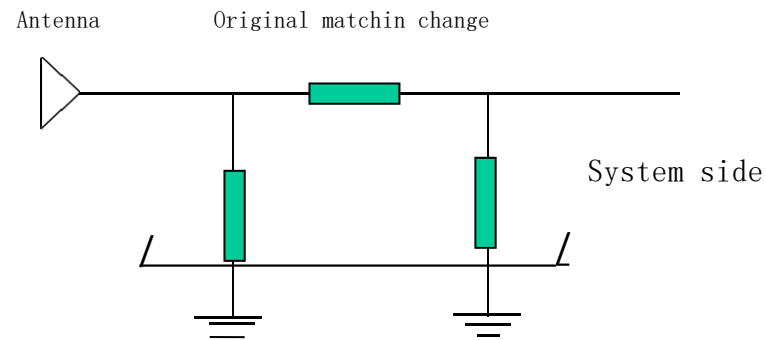
- 一. Test chamber introduction
- 二. Matching and debugging
- 三. Antenna assembly
- 四. Passive standing wave diagram
- 五. Passive 3D & 2D field diagram
- 六. Passive efficiency & gain

一. Test chamber introduction

1. Active test: support 2.3.4.5G standard multi-mode measurement NB-IoT, eMTC, CAT-1, Bluetooth1-5, WIFI802.11 abgn, can measure TRP TIS
2. Passive test: can test gain, efficiency
3. TWS headset test head model full set of human head and handss



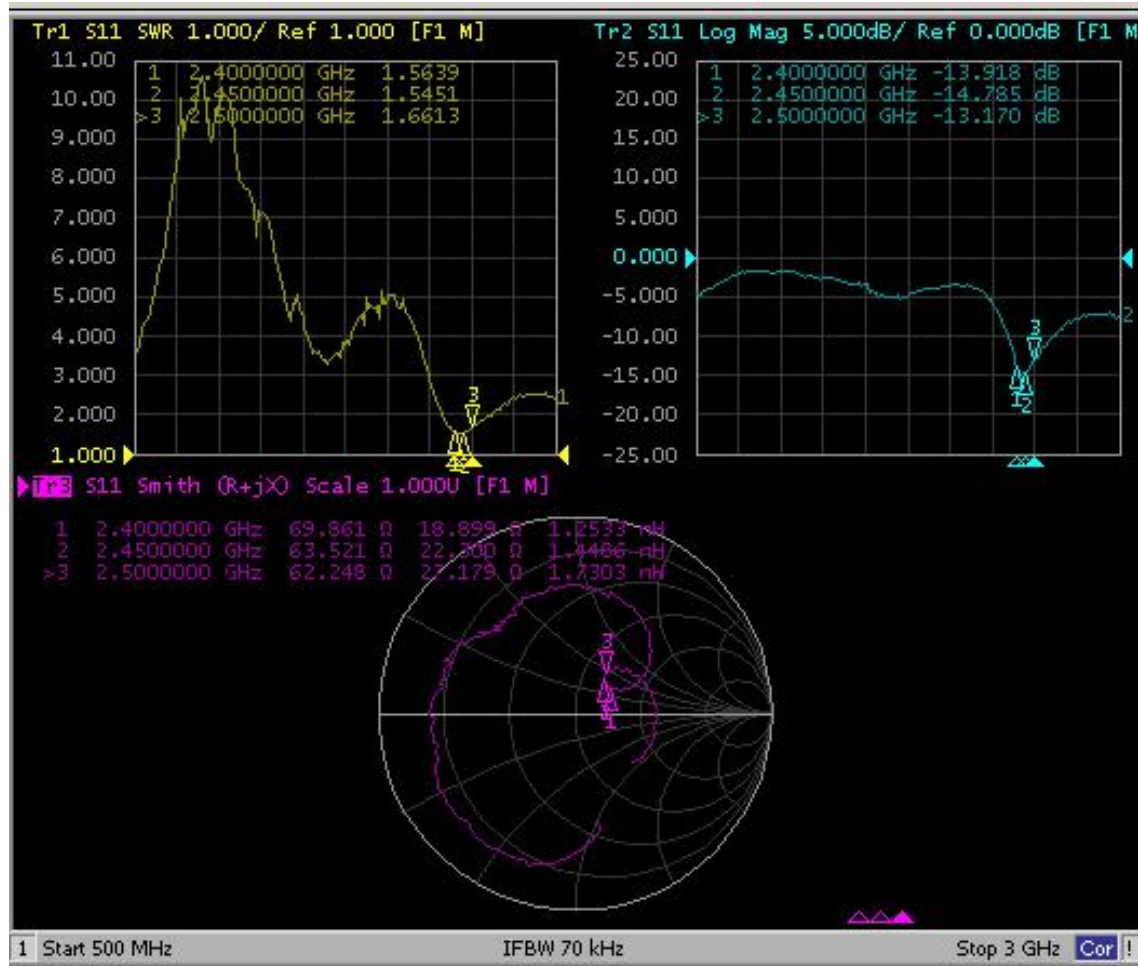
二. Matching and debugging



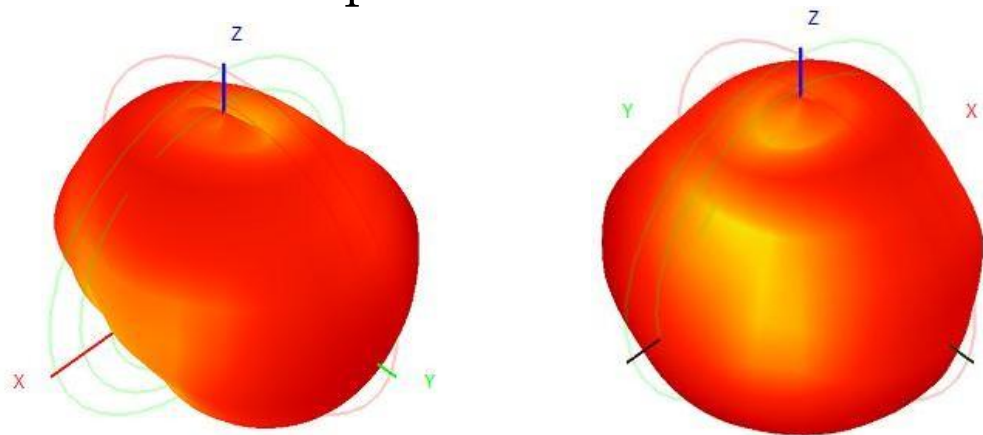
三. Antenna assembly



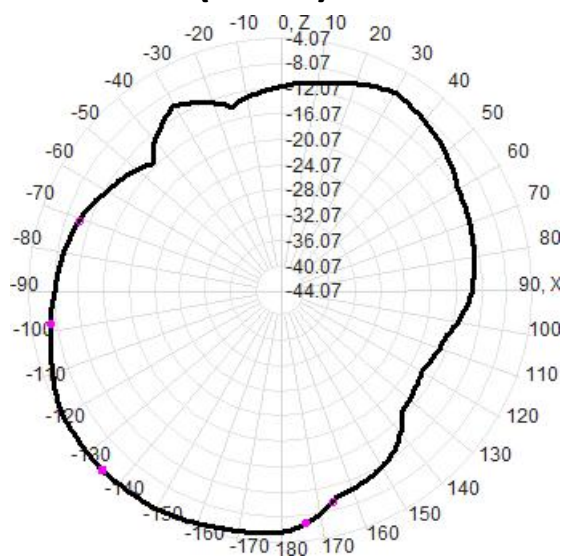
四. Passive standing wave diagram



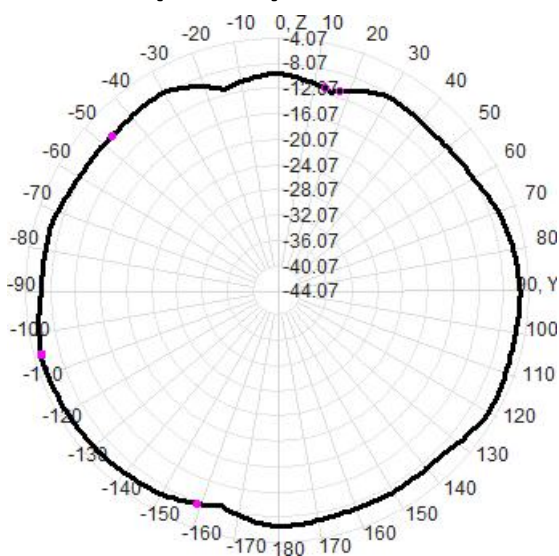
五. Passive field pattern (2400MHz)



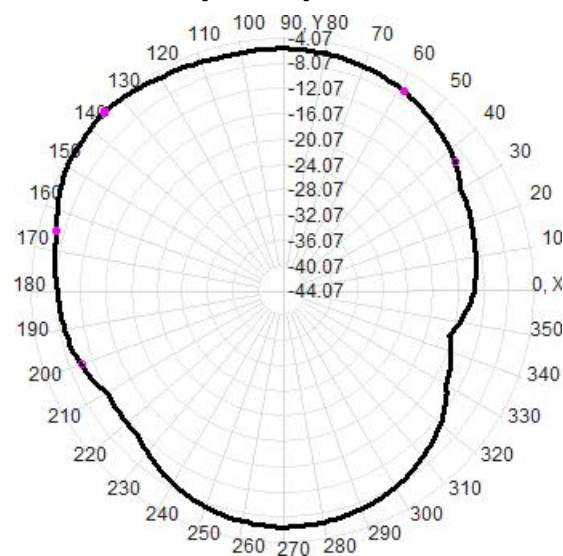
Total(E1-XZ)



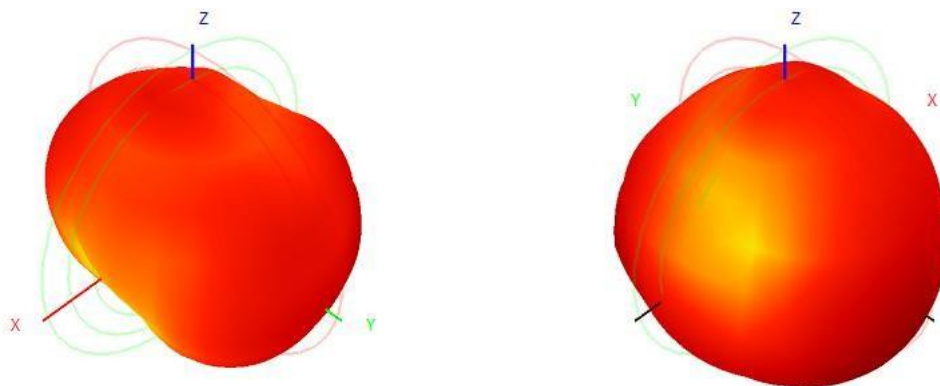
Total(E2-YZ)



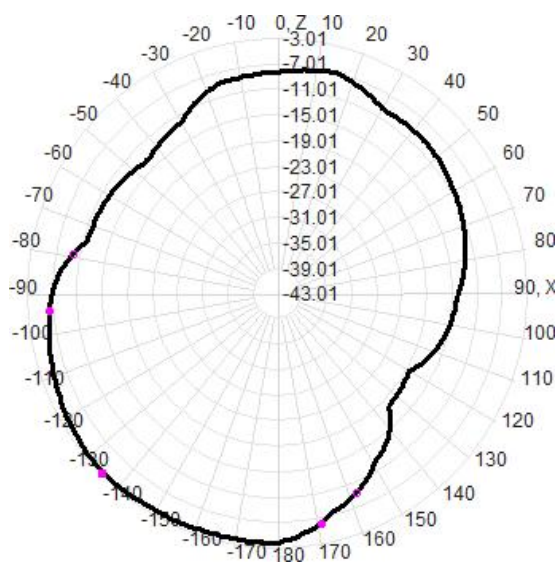
Total(H-XY)



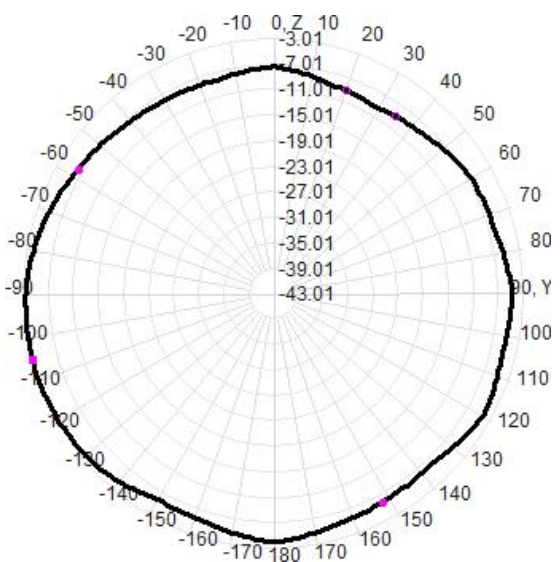
Passive field pattern (2450MHz)



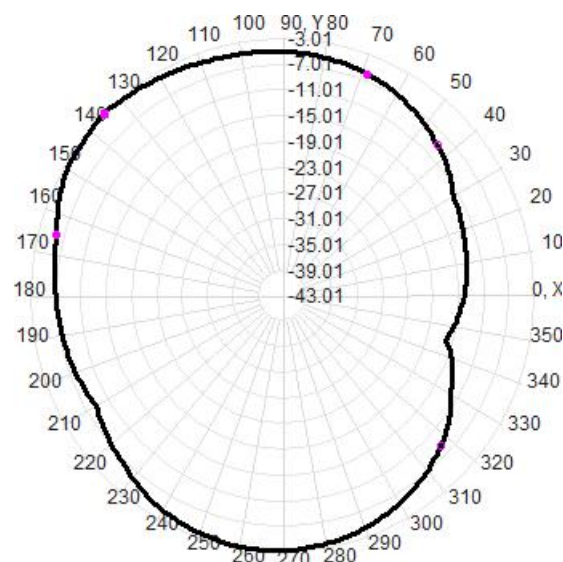
Total(E1-XZ)



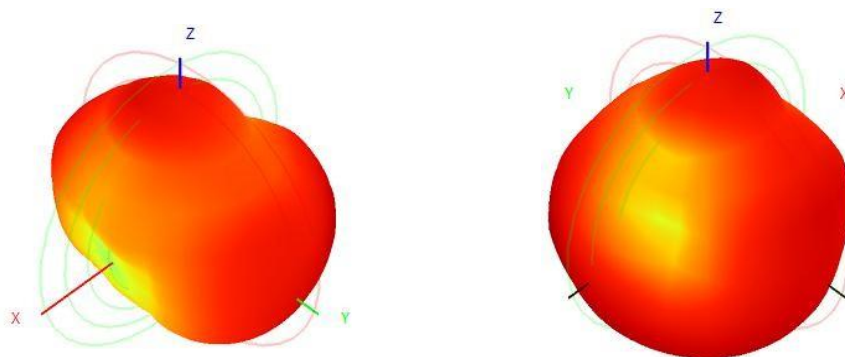
Total(E2-YZ)



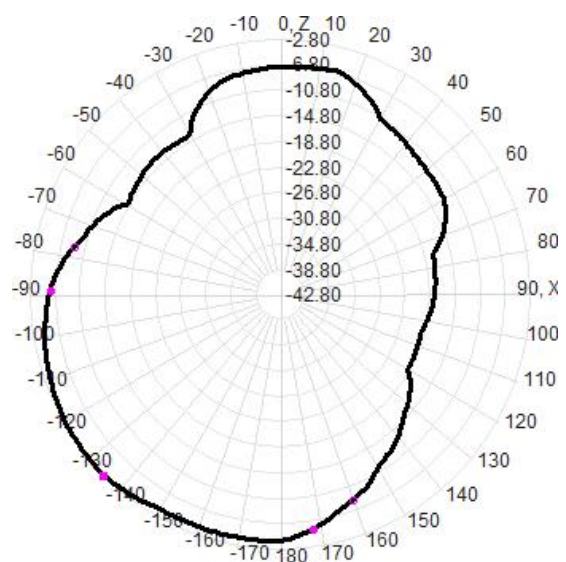
Total(H-XY)



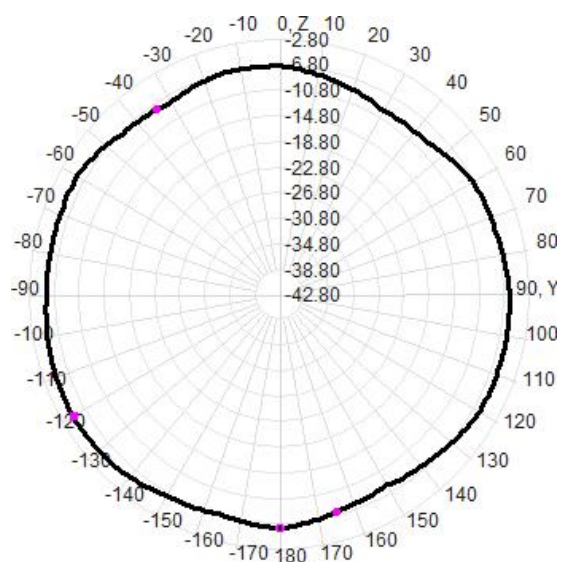
Passive field pattern (2500MHz)



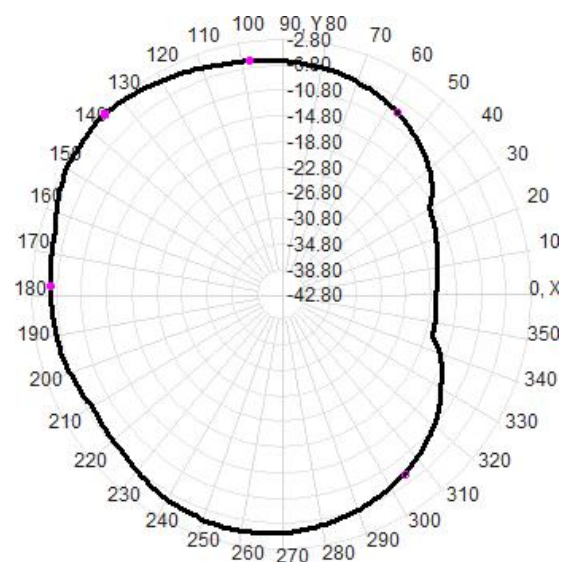
Total(E1-XZ)



Total(E2-YZ)



Total(H-XY)



六. Passive Efficiency & Gain(2400–2500MHz)

Frequency ID	Frequency (MHz)	Gain (dBi)	Efficiency (%)
1	2400	-3.42	16.08
2	2410	-3.08	17.85
3	2420	-2.79	19.50
4	2430	-2.57	20.81
5	2440	-2.55	21.28
6	2450	-2.61	21.17
7	2460	-2.81	20.19
8	2470	-2.87	19.57
9	2480	-2.70	19.15
10	2490	-2.58	18.59
11	2500	-2.38	18.68