

**Auden Communications & Multimedia Techno (Kunshan) Co., Ltd**  
**Shenzhen branch**

# ***HW852 Antenna Test Report***

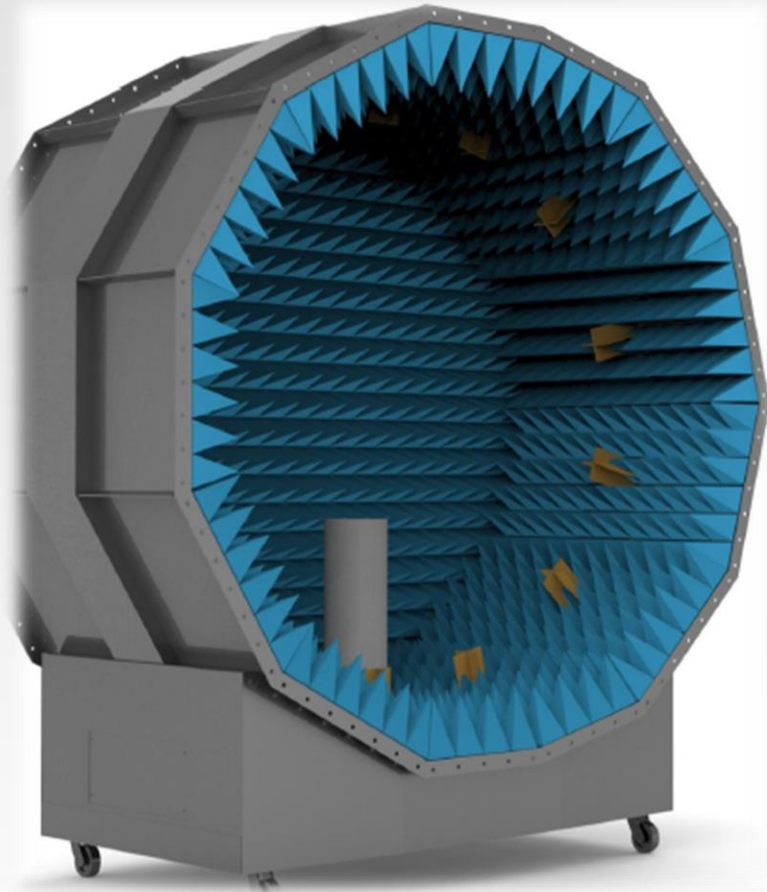
**Prepared By: caichengwei**

**Date of Report: 2024-07-29**

**P/N: HW852 ANTManufacturer:  
Shenzhen Xinzhide Technology Co.,  
Ltd.**

Date	Rev	Description
2024-07-29	01	TEST Ant Efficiency and Gain





- Chamber : GTS Rayzone1800
- Network analyzer : Agilent E5071C
- 2G/3G comprehensive tester : Agilent 8960
- WIFI comprehensive tester : CMW 500
- GPS signal source : Agilent E4438C

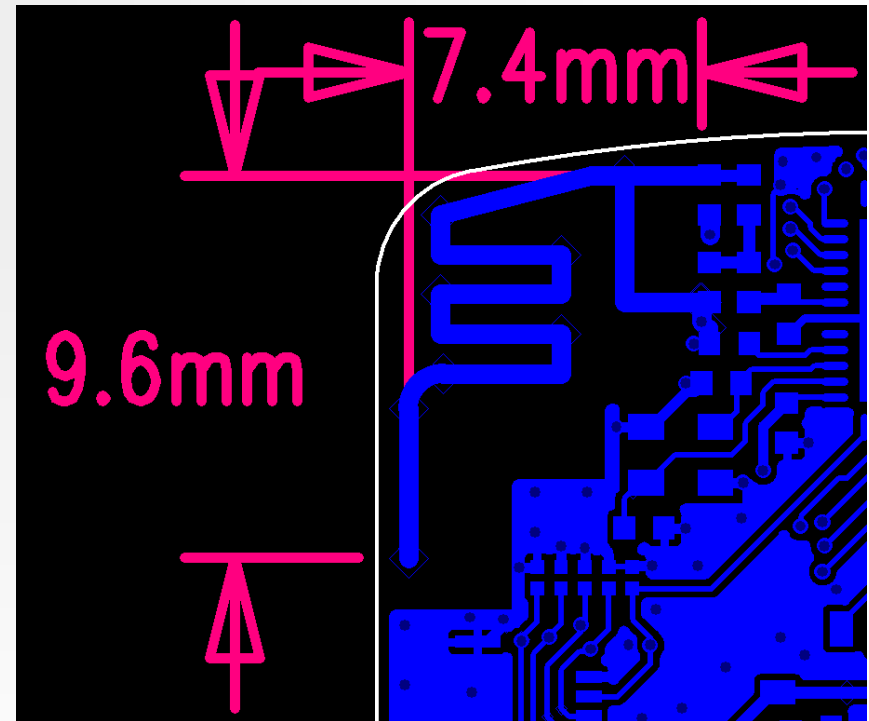


## ANT BAND

Operating Band	Band	Operating Band	Band
GSM	-	WIFI / BT	2402MHz~2480 MHz
WCDMA	-	GNSS	-
TD-SCDMA	-	FM	-
CDMA	-	Others	-
FDD LTE			
TDD LTE			

# Antenna information

- Model: HW852 ANT
- Manufacturer: Shenzhen Xinzhide Technology Co., Ltd.
- Dimension (Unit : mm) :
- Gain : -1.91dBi
- DIM: PCB Antenna



Effic & Gain

Unit: dBi

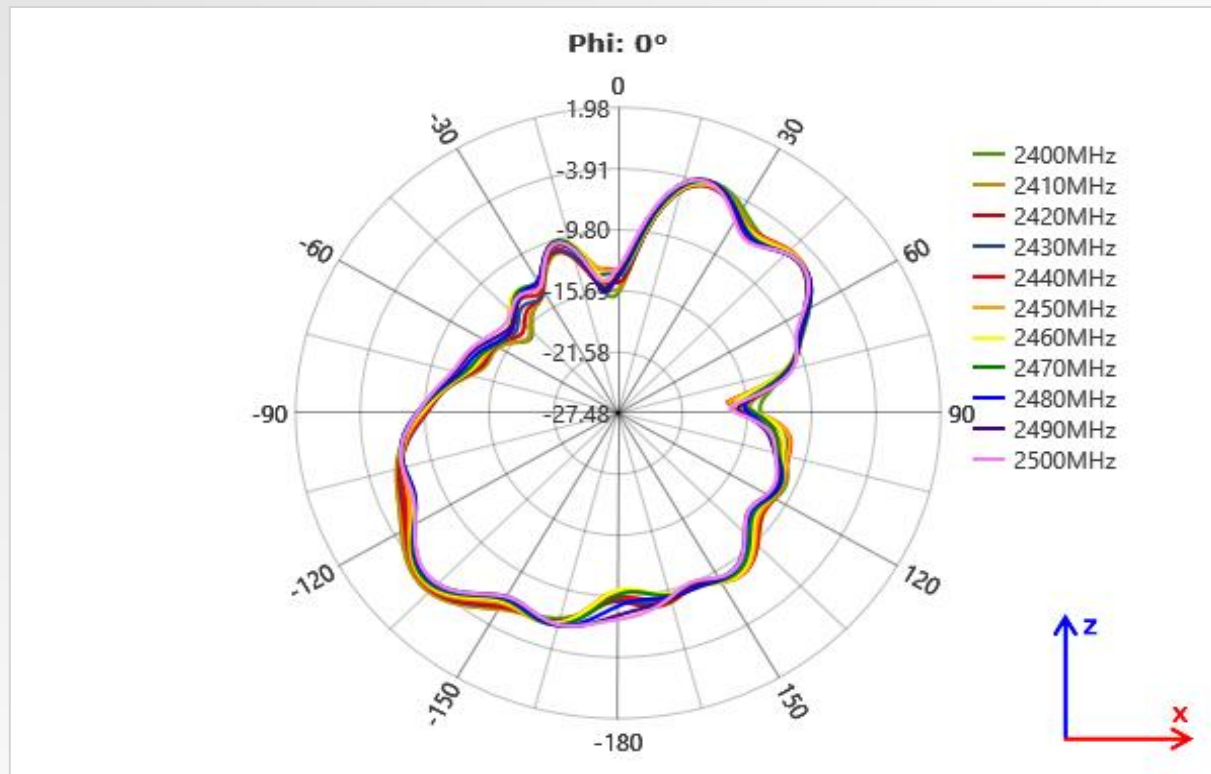
Frequency(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
2400	-2.03	-7.59	17.42
2410	-2.02	-7.56	17.56
2420	-1.91	-7.5	17.78
2430	-2	-7.48	17.87
2440	-1.97	-7.43	18.07
2450	-2.11	-7.5	17.77
2460	-2.3	-7.56	17.52
2470	-2.44	-7.53	17.65
2480	-2.38	-7.52	17.69
2490	-2.34	-7.49	17.82
2500	-2.36	-7.42	18.12



# Ant TEST

E1 Plant

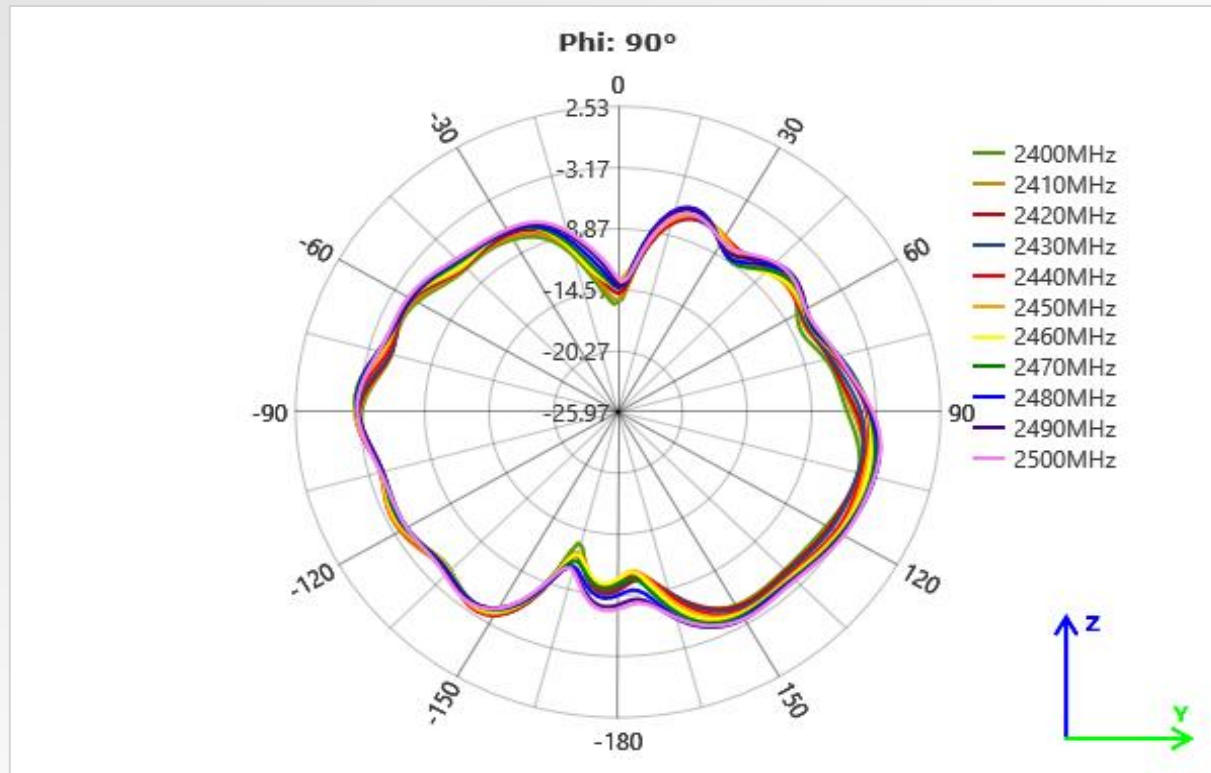
Unit: dBi



# Ant TEST

E2 Plant

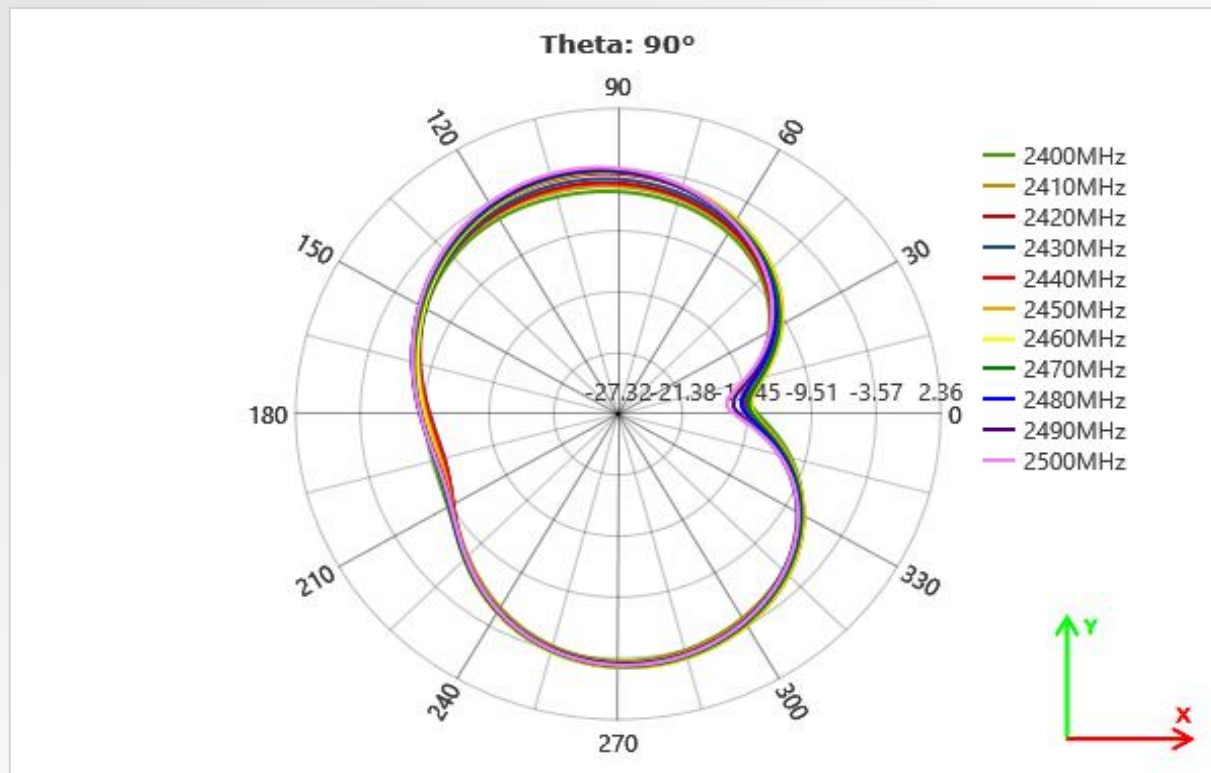
Unit: dBi



# Ant TEST

H plant

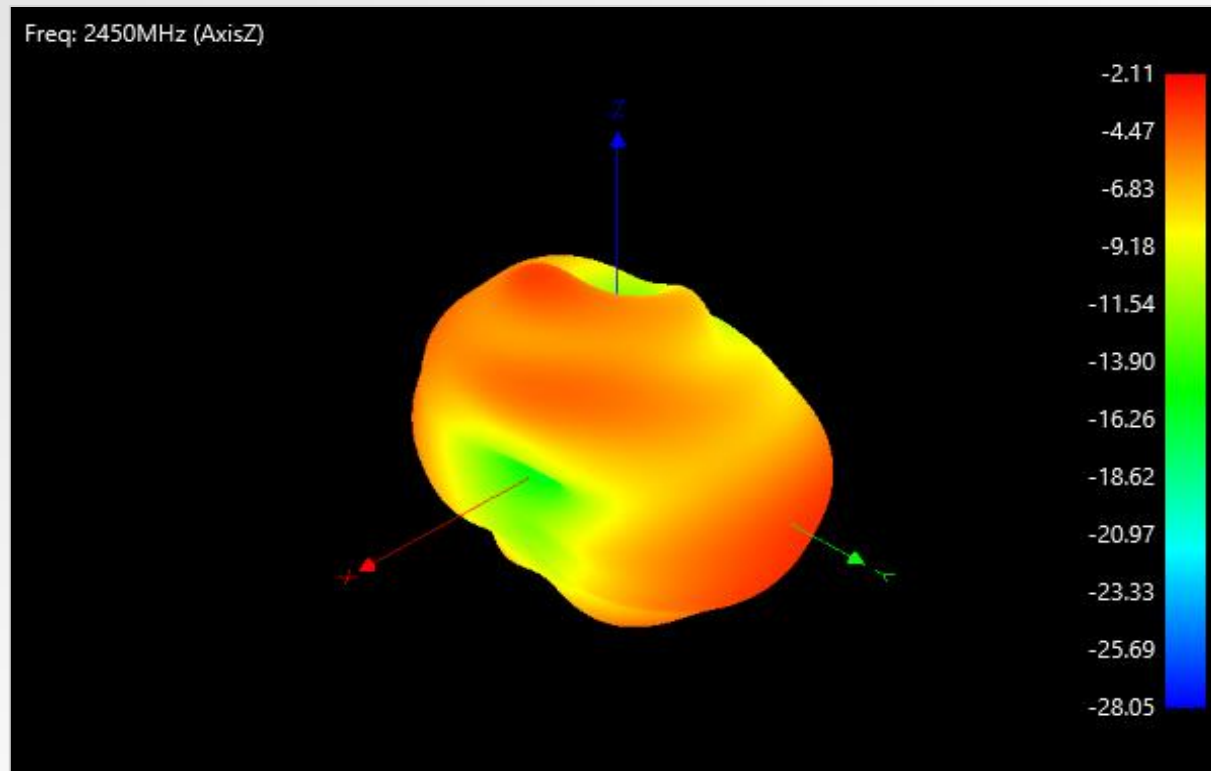
Unit: dBi



# Ant TEST

## 3D Radiation

Unit: dBi



# Thank You



**AUDEN**  
**ASPIRE**  
**UPGRADE**  
**DEVOTE**  
**EXCELLENCE**  
**NAVIGATOR**

## **AUDEN Techno Corp. Taiwan**

**TEL: +886-3-363-1901**

**No.19 Lane 772, Ho Ping Road Bade City, Taoyuan Hsien, Taiwan.**

## **AUDEN communications & Multimedia Techno (Shenzhen) Co., Ltd.**

**TEL: +86 0755 8653 9953**

## **AUDEN Techno Corp. Korea**

**TEL: +82 2 401 1206**

**RM 205 5F Jaeil Officetel Songpa daero Songpa-Gu Seoul.  
ZIP : 138-719 Korea**

## **AUDEN Techno Corp. USA**

**TEL : +1 631 9791630**

**4 Cygnet Drive Smittown, NY 11787**

**E-mail: [service@auden.com.tw](mailto:service@auden.com.tw)**

**Website: <http://www.auden.com.tw>**



Company Confidential, Auden

Many aspects of this presentation are protected by US, TW, CN and international patents and patent applications