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

HW852 Antenna Test Report

Prepared By: caichengwei

Date of Report: 2024-07-29

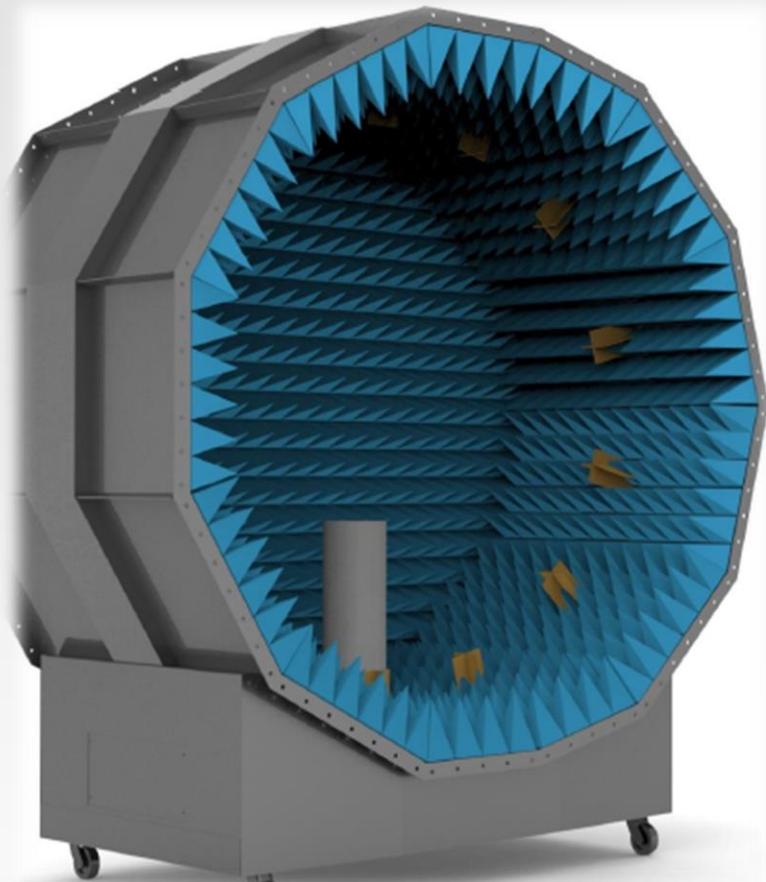
**P/N: HW852 ANTManufacturer:
Shenzhen Xinzhide Technology Co.,
Ltd.**

Report History

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



Equipment



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



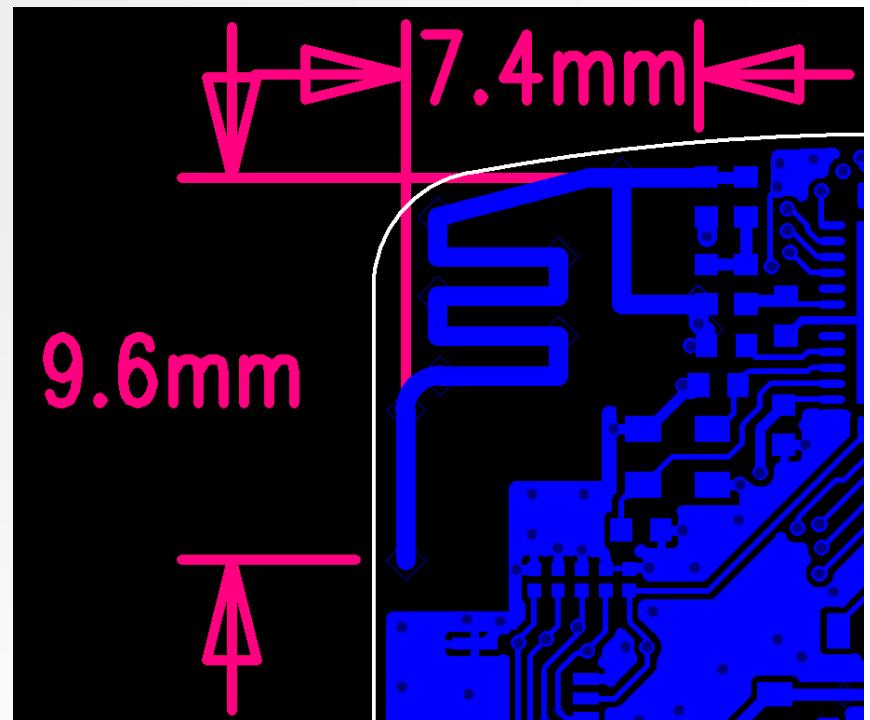
Fixture Environment

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

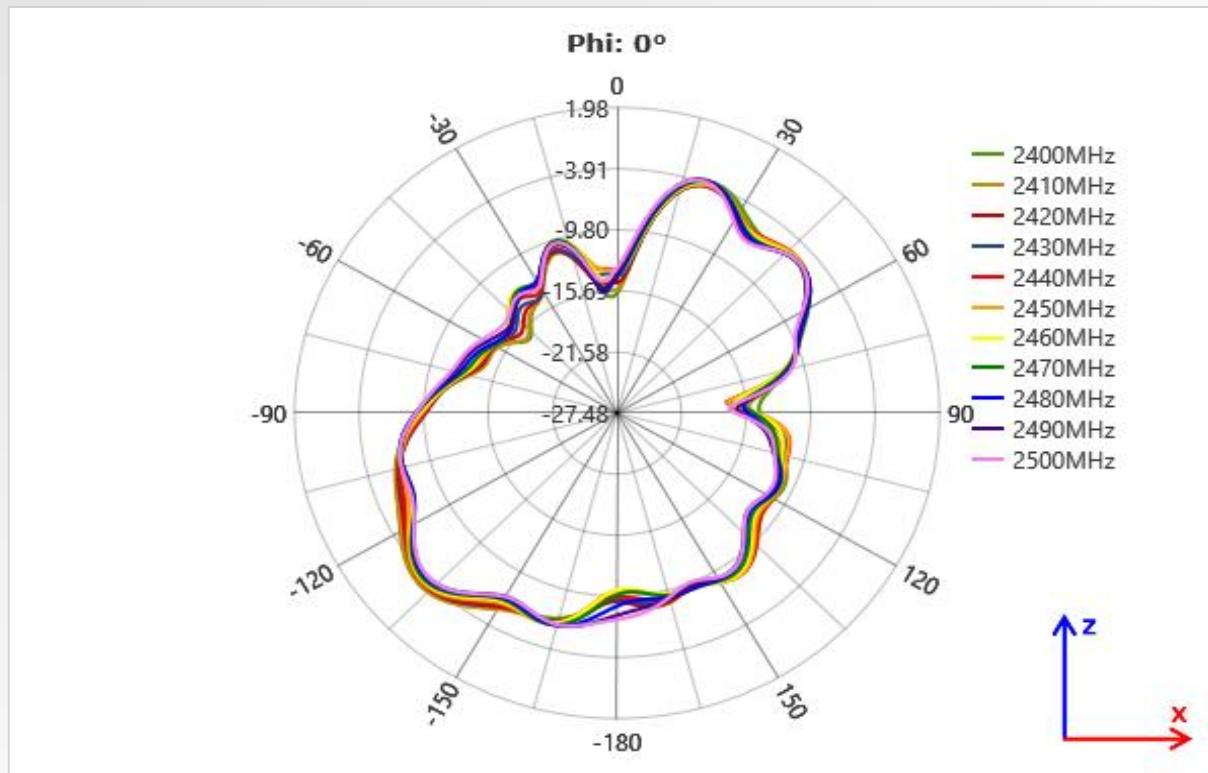
Unit: dBi

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



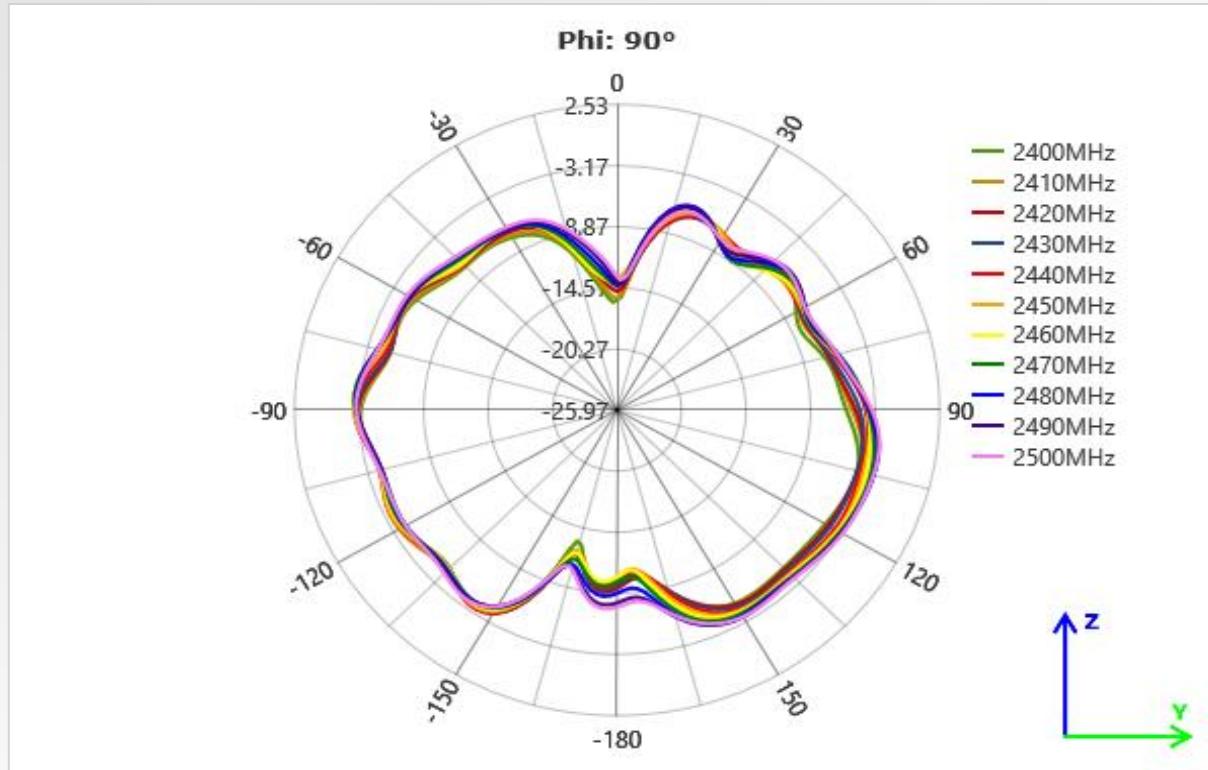
E1 Plant

Unit: dBi



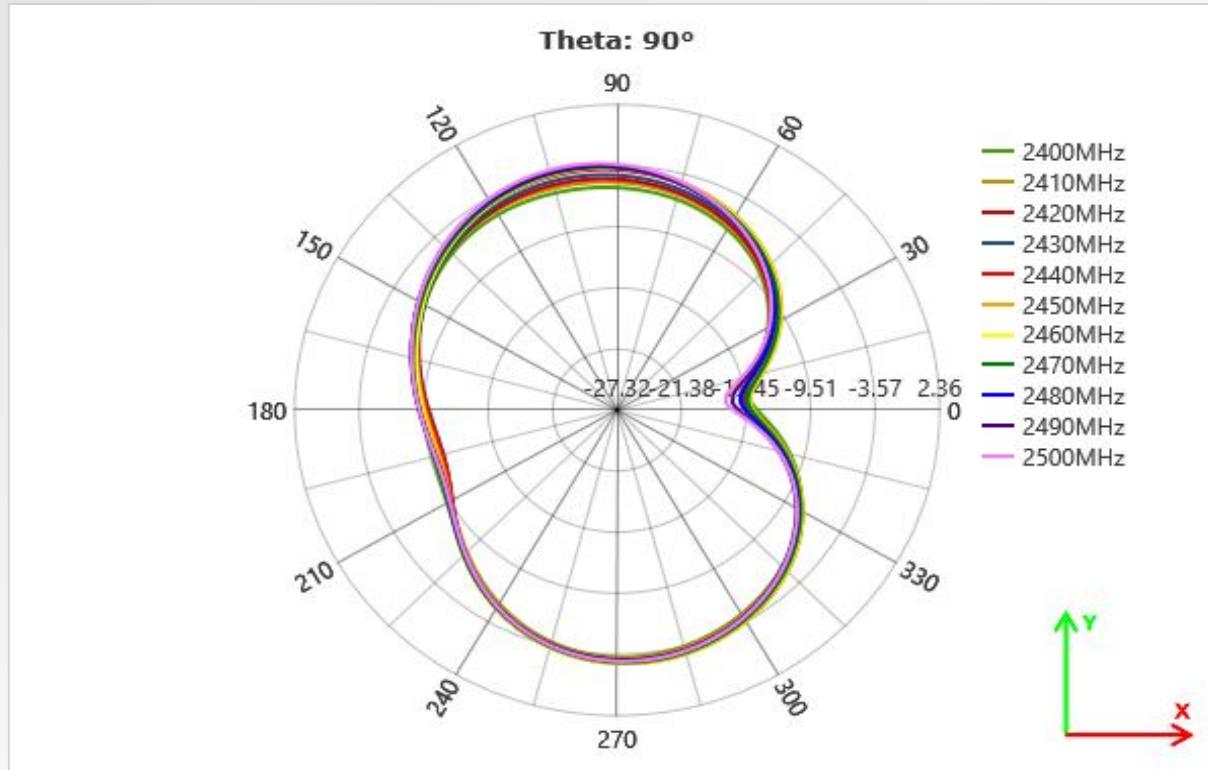
E2 Plant

Unit: dBi



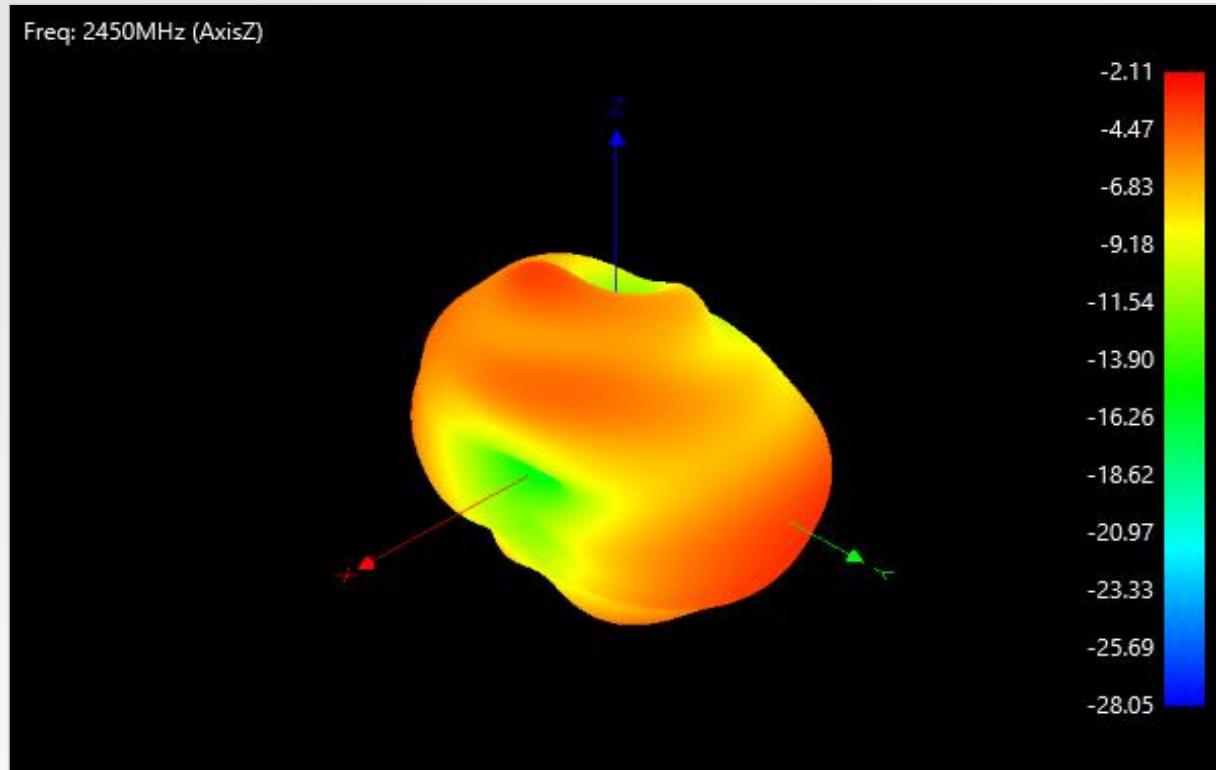
H plant

Unit: dBi



3D Radiation

Unit: dBi



Thank You

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DEVOTE
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NAVIGATOR**

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