

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

HW401 Antenna Evaluating Report

Prepared By: caichengwei

Date of Report: 2022-8-26



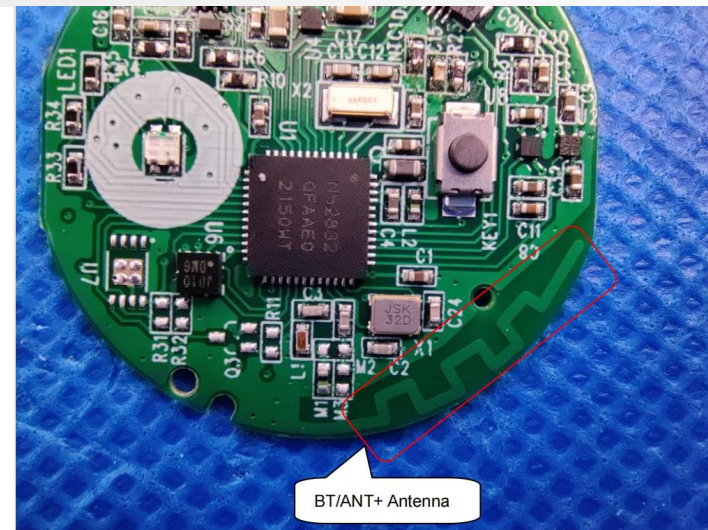
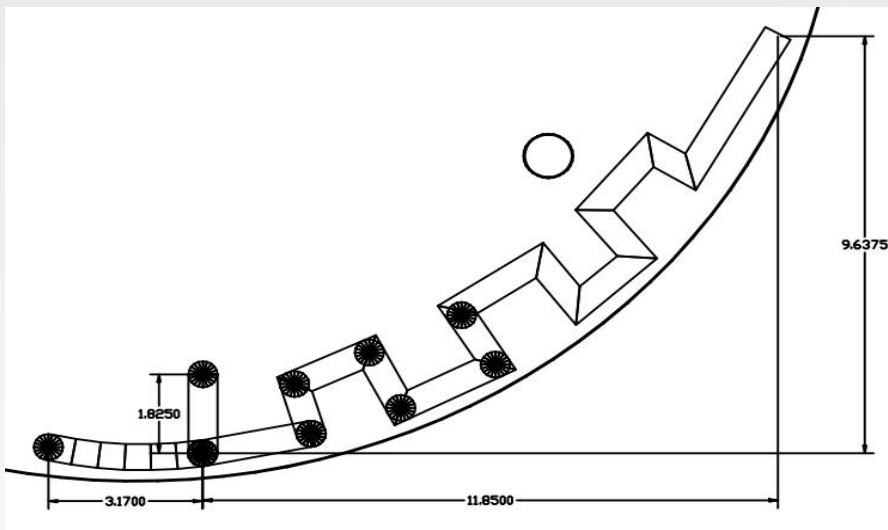
Report History

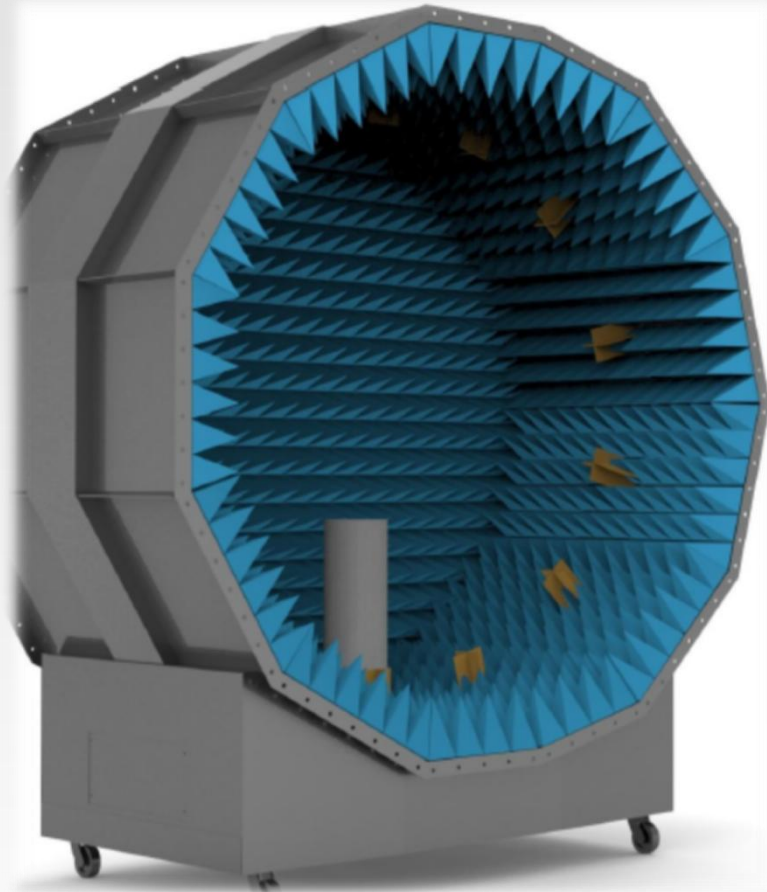
| Date | Rev | Description |
|-----------|-----|----------------------------------|
| 2022-8-26 | 01 | TEST BT/Ant+ Efficiency and Gain |
| | | |
| | | |



Manufacturer & DIM

- Manufacturer: Shenzhen Xinzhide Technology Co., Ltd.
- DIM: PCB antenna
- Model: Ant0234 Brand: auden
- Frequency Range: 2400-2500 MHz





- Chamber : GTS Rayzone1800
- Network analyzer : Agilent E5071C
- 2G/3G comprehensive tester : Agilent 8960
- LTE comprehensive tester : Anritsu MT8820
- TD comprehensive tester : StarPoint SP6010
- WIFI comprehensive tester : Anritsu MT8860
- GPS Signal Source : Agilent E4438C



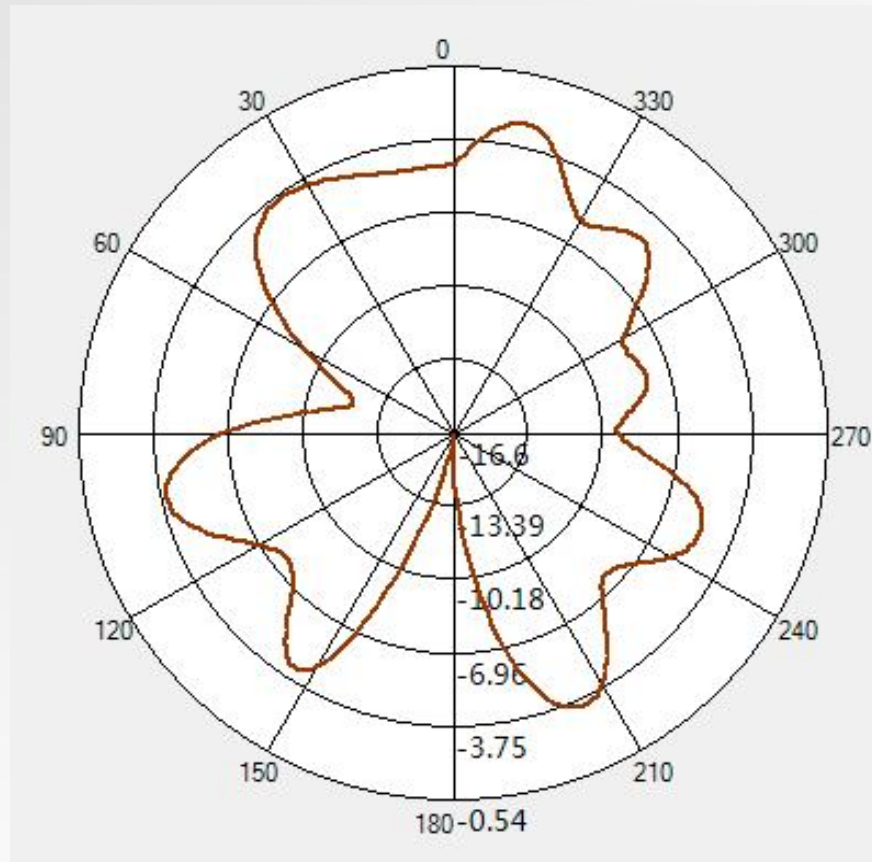
Frequency Range

| Using System | Band | Using System | Band |
|--------------|------|--------------|--------------------|
| GSM | - | WIFI / BT | 2.4G(2400-2500MHz) |
| WCDMA | - | GPS | - |
| TD-SCDMA | - | FM | - |
| CDMA | - | Others | - |
| FDD LTE | - | | |
| TDD LTE | - | | |

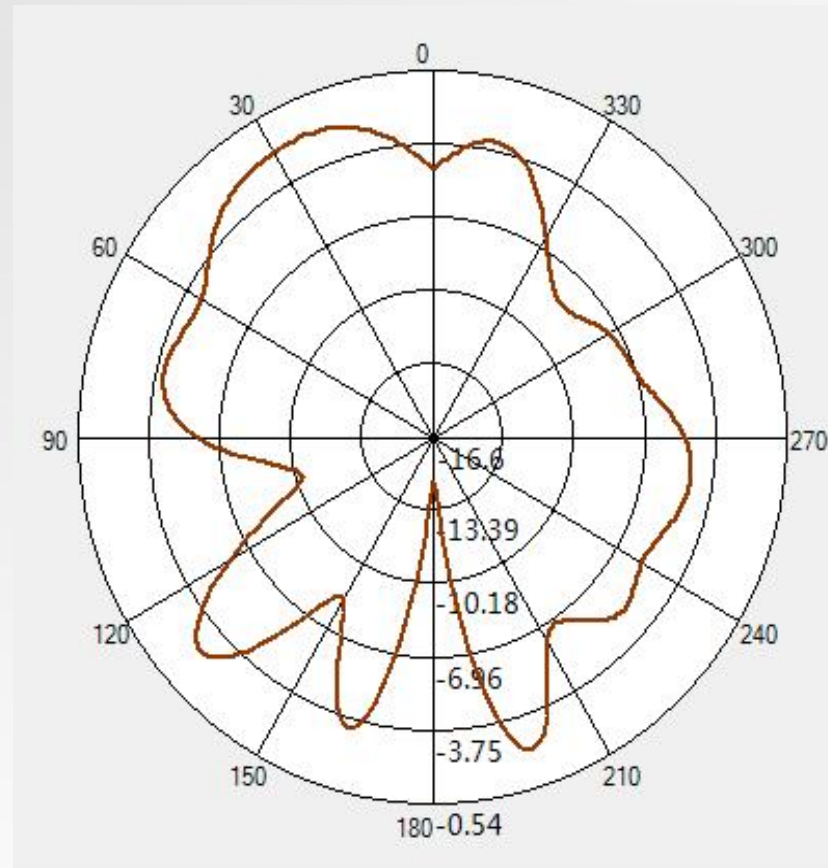
| Frequency(MHz) | Eff. | Gain(dBi) |
|----------------|-------|-----------|
| 2400 | 29.90 | -1.02 |
| 2410 | 31.26 | -0.85 |
| 2420 | 30.18 | -0.94 |
| 2430 | 30.27 | -0.89 |
| 2440 | 30.18 | -0.94 |
| 2450 | 30.10 | -0.86 |
| 2460 | 31.97 | 0 |
| 2470 | 31.95 | -0.06 |
| 2480 | 28.97 | -0.51 |
| 2490 | 28.79 | -0.55 |
| 2500 | 27.96 | -0.72 |



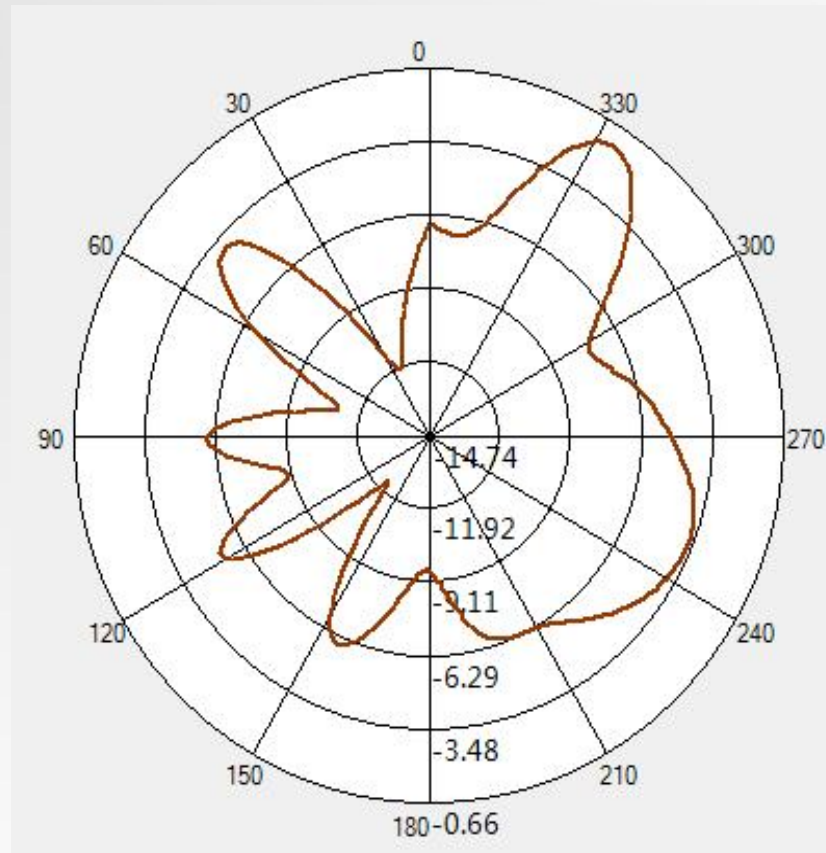
E1 Plant



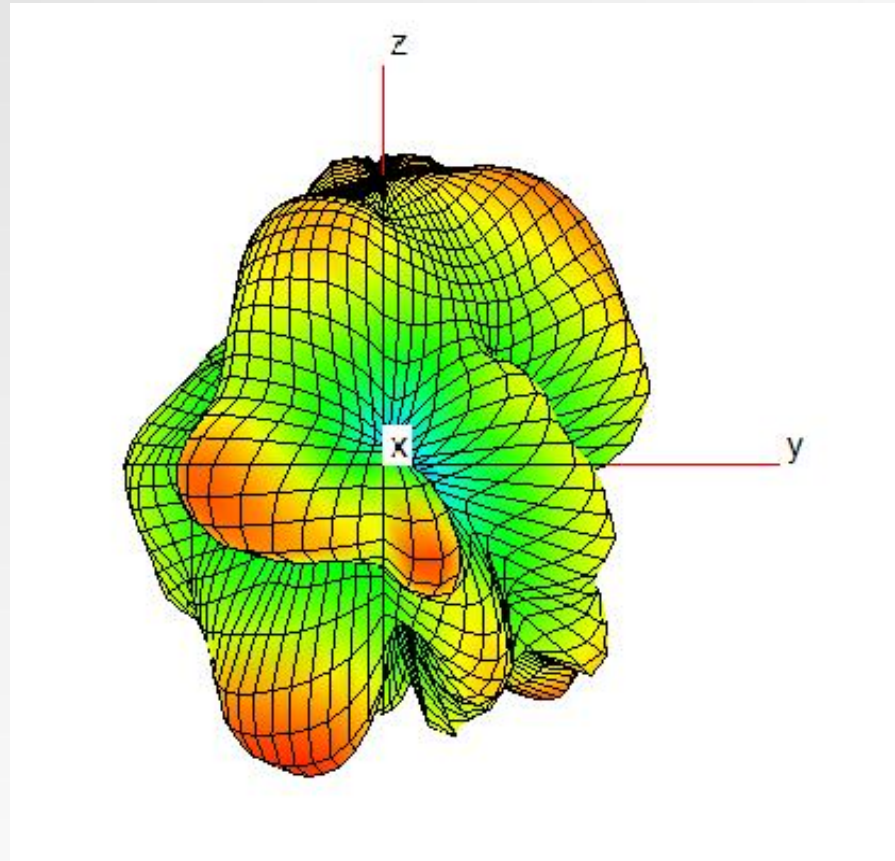
E2 Plant



H plant



3D Radiation



Thank You



AAUDENASPIRE
UUPGRADE
DDEVOTE
EEXCELLENCE
NNAVIGATOR

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