

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

BK462S ANT Antenna Evaluating Report

Prepared By: caichengwei

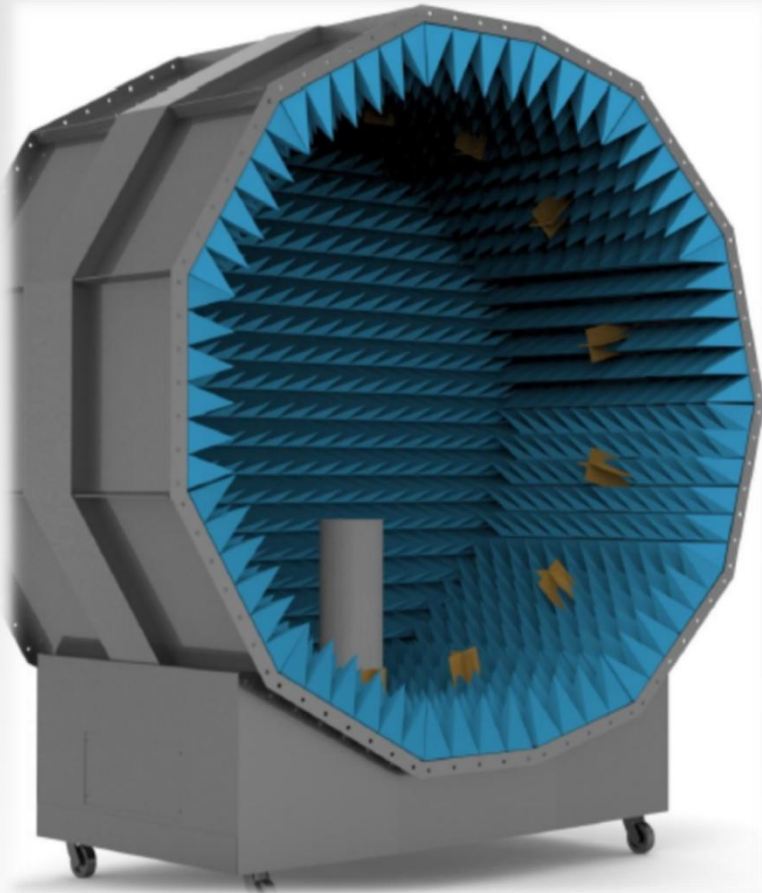
Date of Report: 2022-12-12



Report History

| Date | Rev | Description |
|------------|-----|----------------------------------|
| 2022-12-12 | 01 | TEST BT&Ant+ Efficiency and Gain |
| | | |
| | | |





- 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

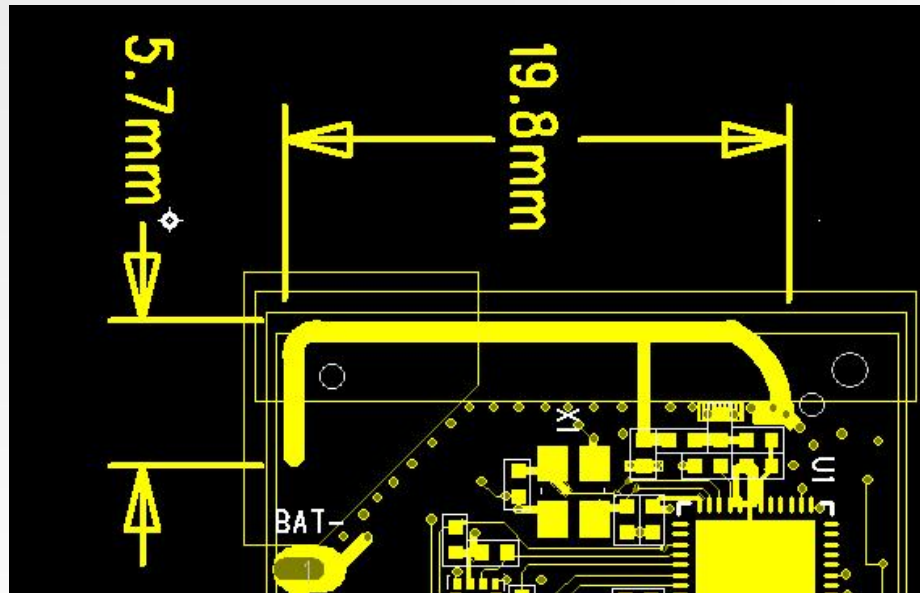


Frequency Range

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

Antenna information

- P/N: BK462S ANT Brand:Xinzhide
- Manufacturer: Shenzhen Xinzhide Technology Co., Ltd.
- Antenna Type:PCB Antenna
- Dimension (Unit : mm) :

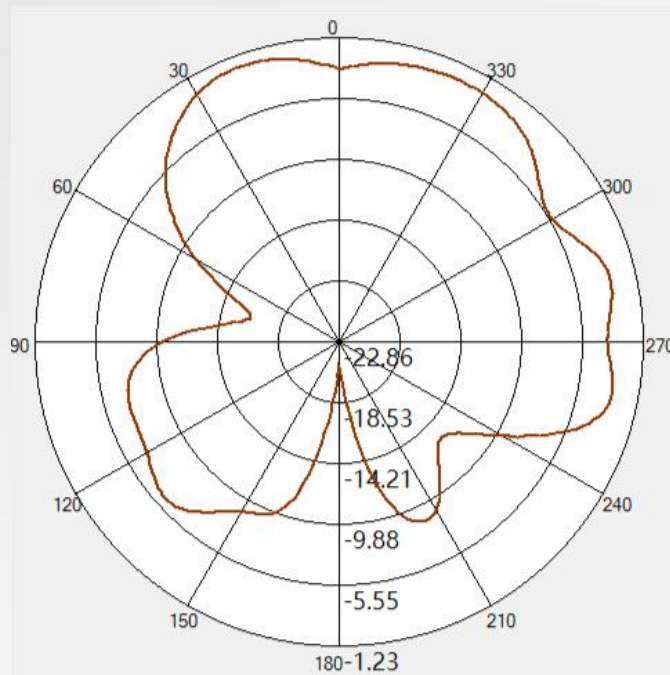


Effic & Gain

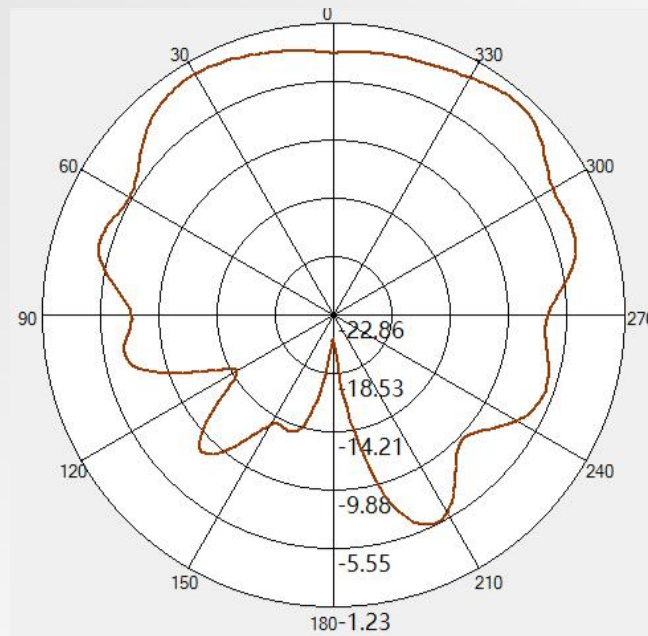
| Frequency(MHz) | Eff.(%) | Gain(dBi) |
|----------------|---------|-----------|
| 2400 | 25.88 | -1.34 |
| 2410 | 27.63 | -1.07 |
| 2420 | 28.21 | -0.84 |
| 2430 | 30.74 | -0.44 |
| 2440 | 32.47 | -0.21 |
| 2450 | 32.39 | -0.23 |
| 2460 | 34.14 | 0.10 |
| 2470 | 33.44 | 0.17 |
| 2480 | 29.63 | -0.55 |
| 2490 | 27.09 | -1.23 |
| 2500 | 23.19 | -1.93 |



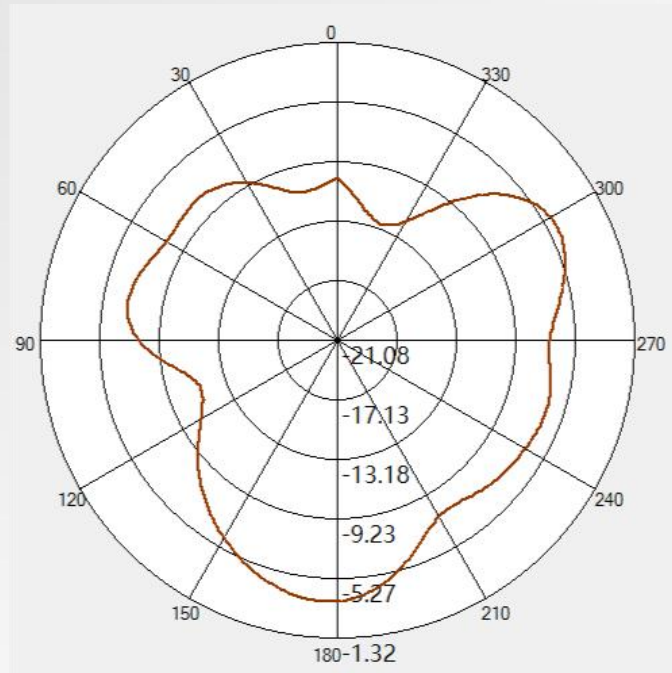
E1 Plant



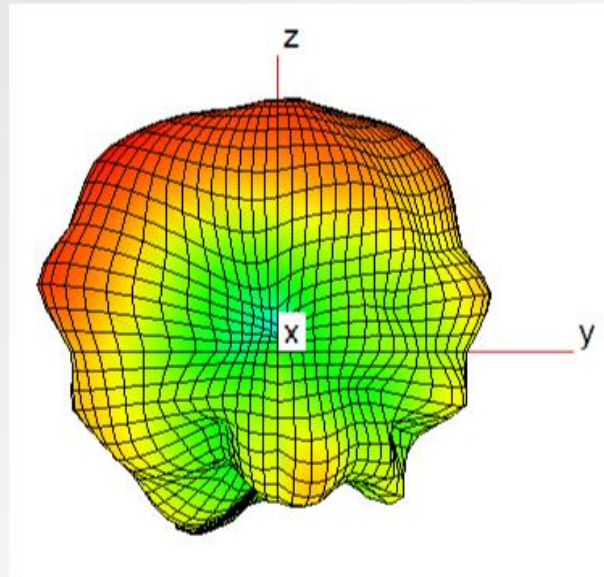
E2 Plant



H plant



3D Radiation



Thank You



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