

# Manufacture: Shenzhen Cloud above Electronics Co., Ltd.

## AH206 Antenna specification



Defengsheng Building 102, No. 41 Dabao Road, Dalang  
Community, Xin'an Street, Bao'an District, Shenzhen

◆ Date 2025/3/26

| Test item |                                                                       |
|-----------|-----------------------------------------------------------------------|
|           | Matching parameter                                                    |
| 2         | Network debugging antenna S Parameters                                |
| 3         | Microwave darkroom test OTA active data                               |
| 4         | Measurement of antenna efficiency field pattern in microwave darkroom |
| 5         | measuring distance                                                    |
| 6         | Assembly item                                                         |
| 7         | summary of commissioning test                                         |



|          |    |              |        |
|----------|----|--------------|--------|
| Customer | YY | Project name | AH-206 |
|----------|----|--------------|--------|

frequency  
band

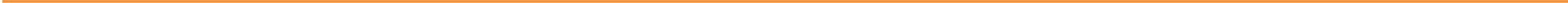
2400MHZ-2500MHZ

engineer :AK

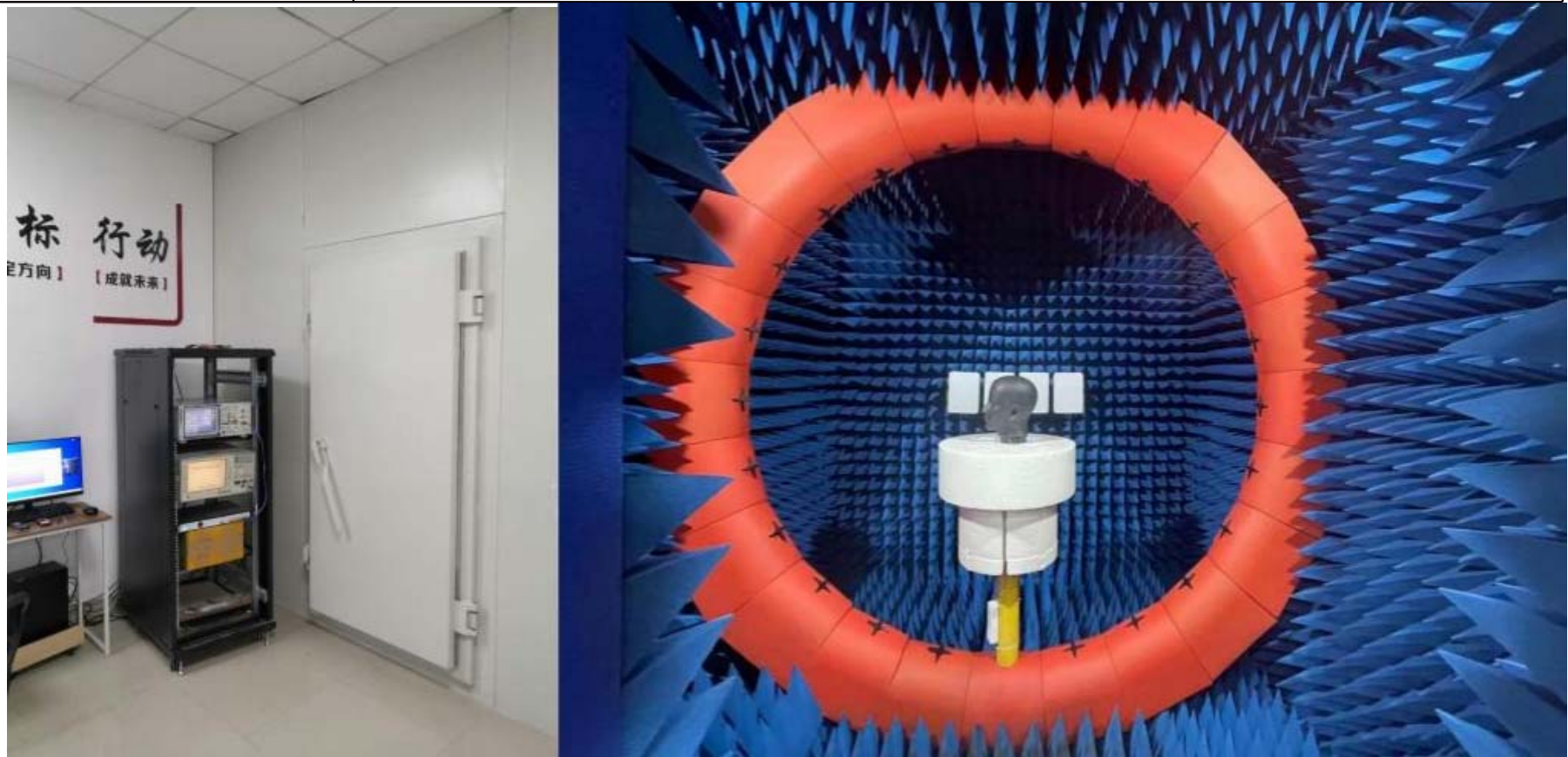
Date

2025/03/25

phone :  
1368260787  
7



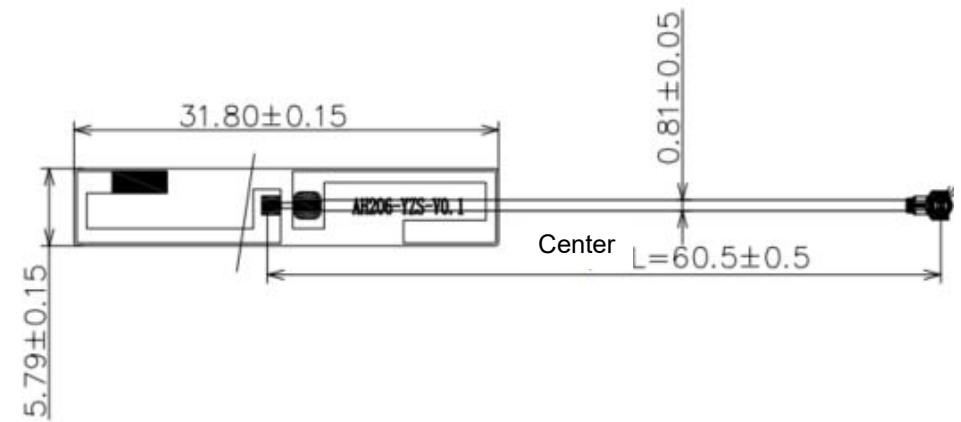
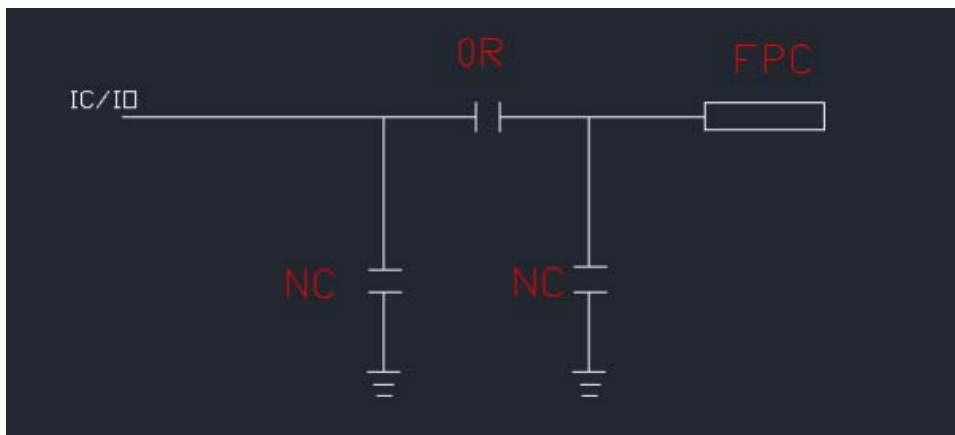
|                          |                                          |
|--------------------------|------------------------------------------|
| Vector Network Analyzers | Agilent Technologies E5071B & R&s CMW500 |
| Darkroom                 | Atenlab M3                               |
| Test engineer            | AK                                       |
| Temperature              | 25°C                                     |
| Humidity                 | 65% (RH)                                 |



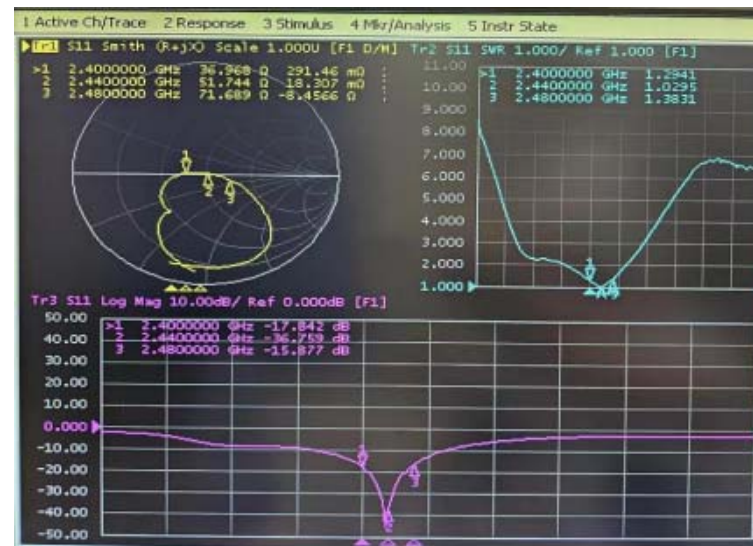
Antenna type: FPC

Antenna Placement ANT:YC-V2-FPC-cable length 60MM+4th terminal

Matching circuit:

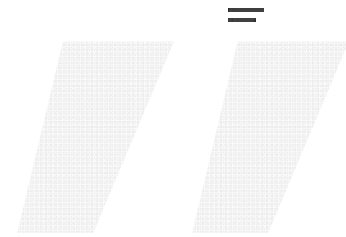


S11、SWR、smith chart:



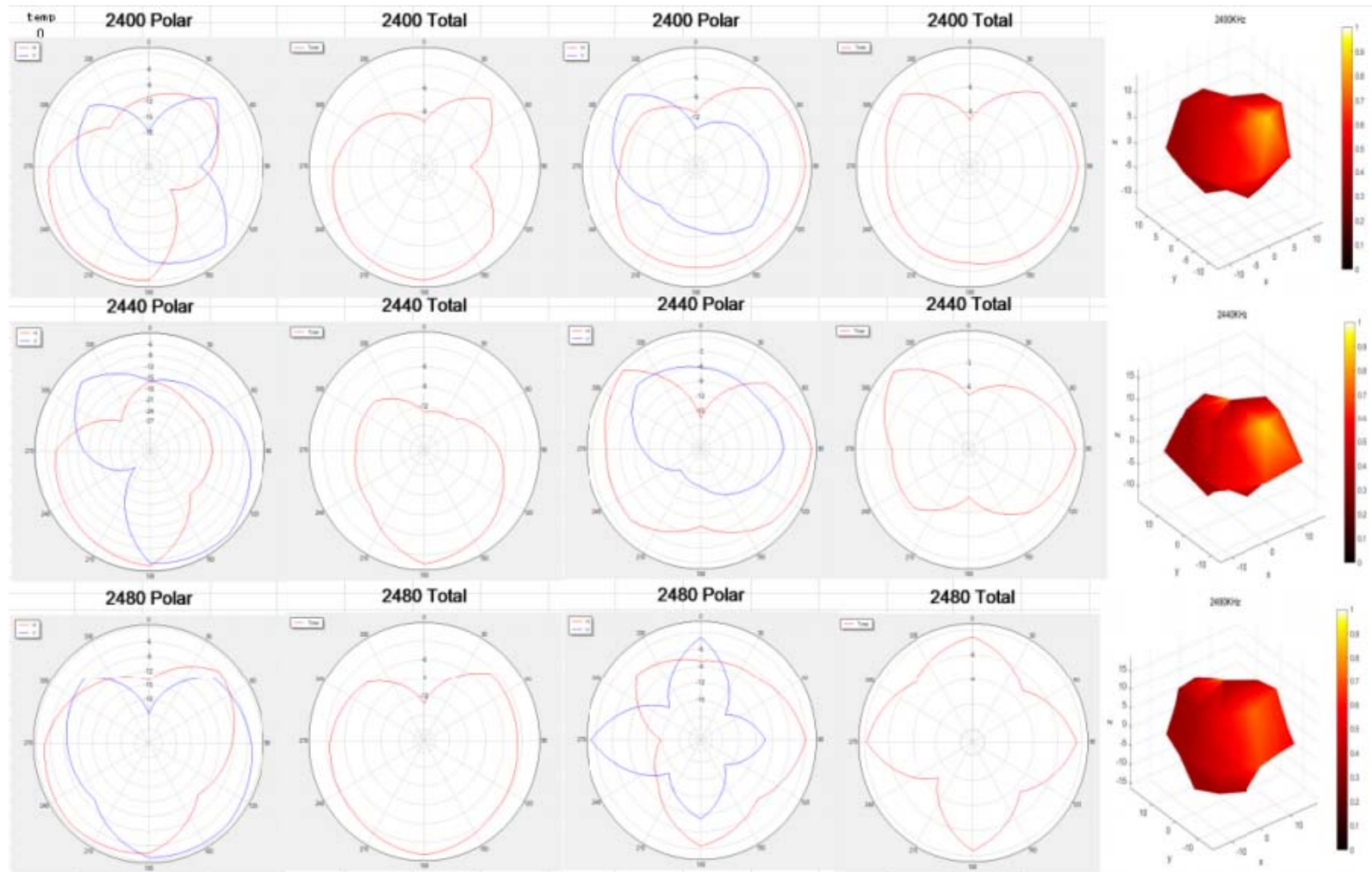


## Antenna efficiency gain 天线效率与增益图



| Frequency | Effic | Percen | Gain |
|-----------|-------|--------|------|
| 2400      | -3.65 | 43.15% | 2.17 |
| 2440      | -3.57 | 43.94% | 2.31 |
| 2480      | -3.48 | 43.86% | 2.21 |

Antenna radiation pattern 2400. 00MHz/2440. 00MHz/2480. 00MHz



# measuring distance

## a. Environme

| test project | Trying hard<br>not to hear |  | Pocket test requirement |    | descr                                                     |
|--------------|----------------------------|--|-------------------------|----|-----------------------------------------------------------|
| AH-206       |                            |  | right front             | OK | The iPhone5<br>was tested<br>over 12meters<br>in the park |
|              | OK                         |  | front-left              | OK |                                                           |
|              |                            |  | right rear              | OK |                                                           |
|              |                            |  | left rear               | OK |                                                           |

## b. summarize

AH-206 machine actual test, OTA data test, basically distance matching, our park grass test effect is excellent