

## Product specification

|                      |                                                                                                                                                                                              |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Customer name        | Dongguan Aike Precision Technology Co., Ltd<br>Room 602, Building 19, Changping Jewelry Culture Industry Center, 568 Huanchang North Road, Changping Town, Dongguan City, Guangdong Province |
| Product name         | 315MHz PCB Antenn                                                                                                                                                                            |
| Product item         |                                                                                                                                                                                              |
| Sample delivery date |                                                                                                                                                                                              |

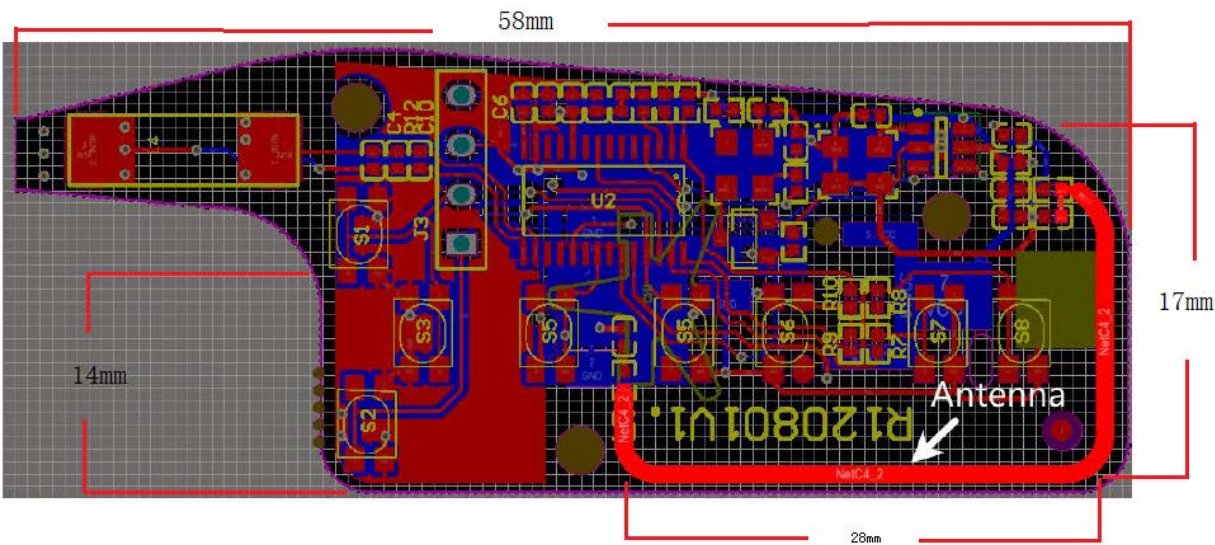
## Manufacturer Rexense

Antenna model Rex PCB\_T6.T14-V5.0

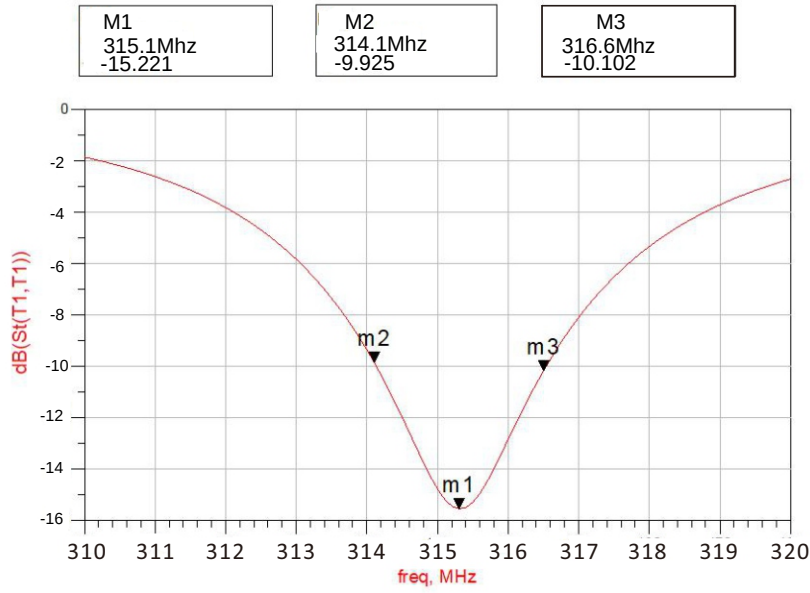
### 1. Technical indicators of products

|                                       |                 |
|---------------------------------------|-----------------|
| Frequency Range(MHz)                  | 313-318         |
| Band Width(MHz)                       | 5               |
| Impedance( $\Omega$ )                 | 50              |
| Return Loss ( dB )                    | -15.20          |
| Gain(dBi) MAX                         | 1.5dBi          |
| Polarization                          | Linear Vertical |
| Antenna Material                      | PCB             |
| Operating Temp ( $^{\circ}\text{C}$ ) | -30~70          |
| Storage Temp ( $^{\circ}\text{C}$ )   | -40~85          |

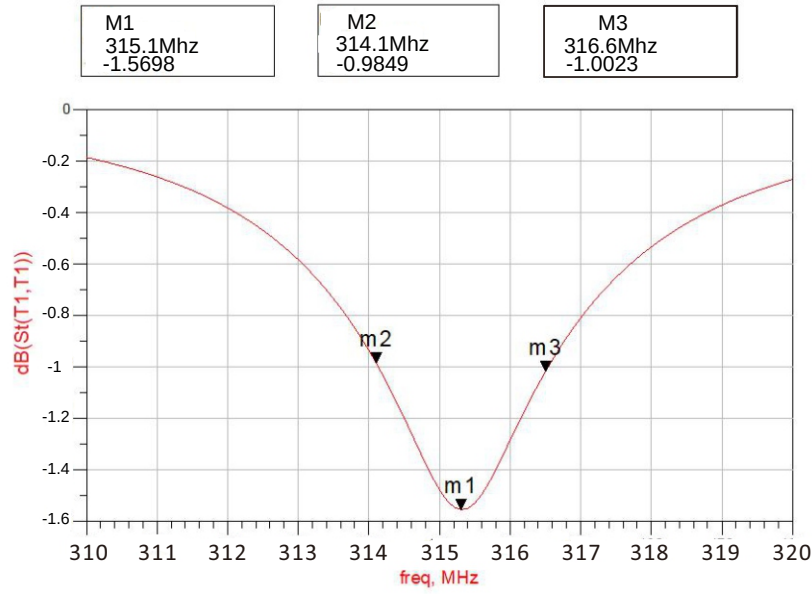
### 2. Product picture



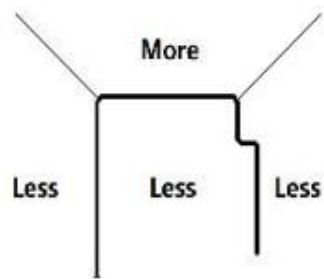
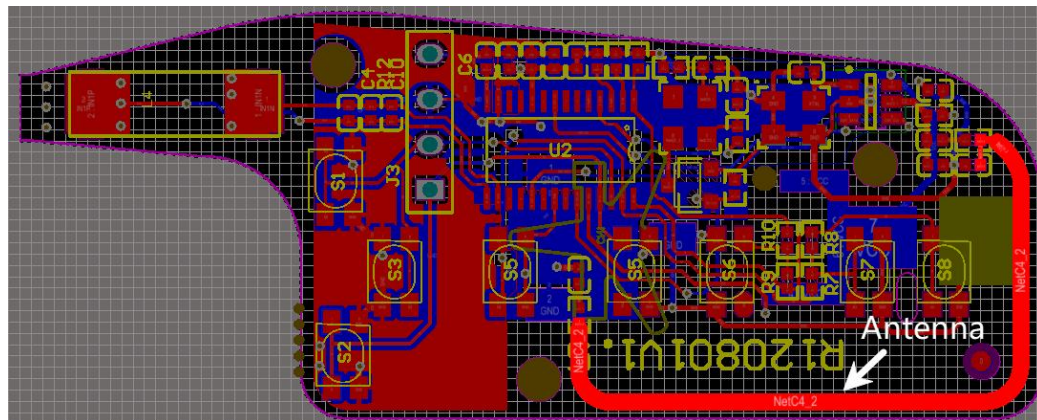
3. Return Loss



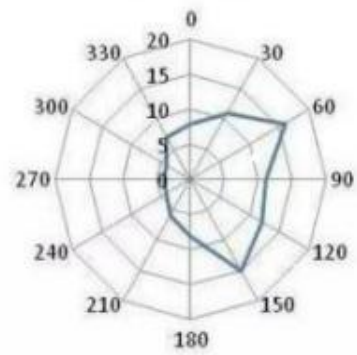
4. VSWR



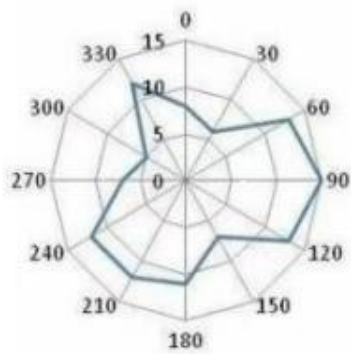
5. Three-dimensional coordinates



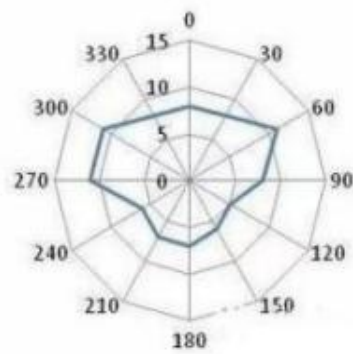
About Z axis



About X axis



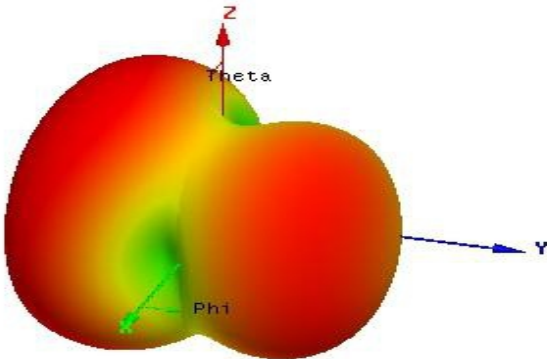
About Y axis



天线增益

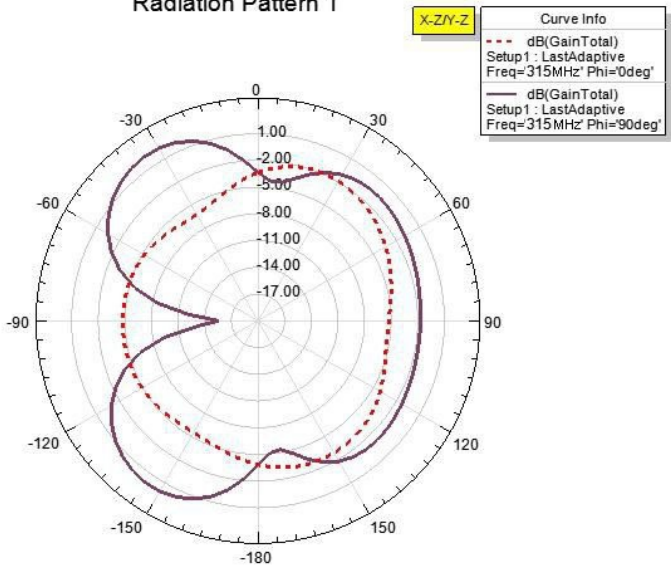
- 312MHz 0dbi
- 313MHz 0dbi
- 314MHz 1dbi
- 315MHz 1.5dbi
- 316MHz 1dbi
- 317MHz 0dbi
- 318MHz 0dbi

6. 3D gain pattern



7. E, h plan

Radiation Pattern 1



Radiation Pattern 2

