

## 868/915MHz Suckerantenna

Model: **AC-Q868-I01**

### 1. Product presentation

The product is made of manganese steel, the antenna structure is small, the appearance is exquisite, and the magnetic suction installation is convenient.

RFID equipment system, GSM/GPRS/ support mobile Unicom, wireless hotspot coverage, mobile terminal equipment.



### 2. Technical Specification

#### Electrical property parameter

|                           |                |
|---------------------------|----------------|
| frequency                 | 868/915MHz     |
| bandwidth                 | /              |
| gain                      | 5.06dBi        |
| standing-wave ratio (SWR) | ≤2.0           |
| athermanancy              | Omni-Direction |
| polarization mode         | Vertical       |
| input power               | 50W            |
| impedance                 | 50Ω            |
| wire length               | 1.5M           |
| linetype                  | RG174          |
| Connector                 | SMA Male       |
| Antenna material          | Steel          |

#### Mechanical Characteristics

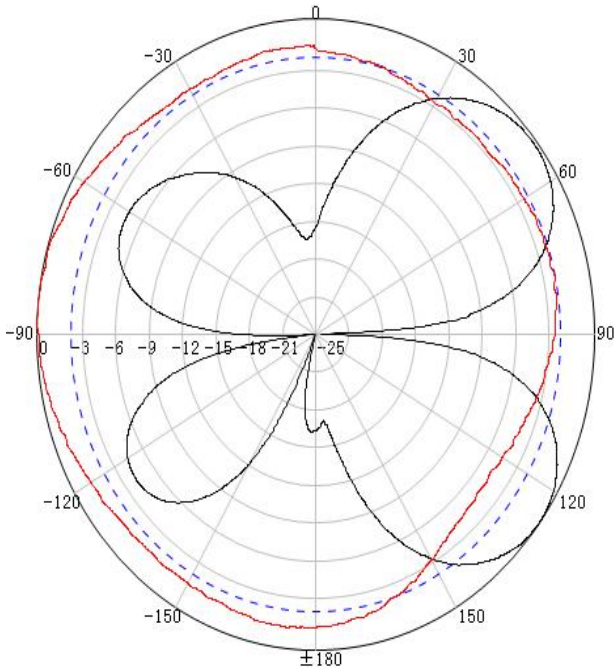
|                       |             |
|-----------------------|-------------|
| antenna size          | Φ29×225mm   |
| Weight                | 50g         |
| operating temperature | -40℃ to+70℃ |



3. STATIONARY WAVE PATTERN



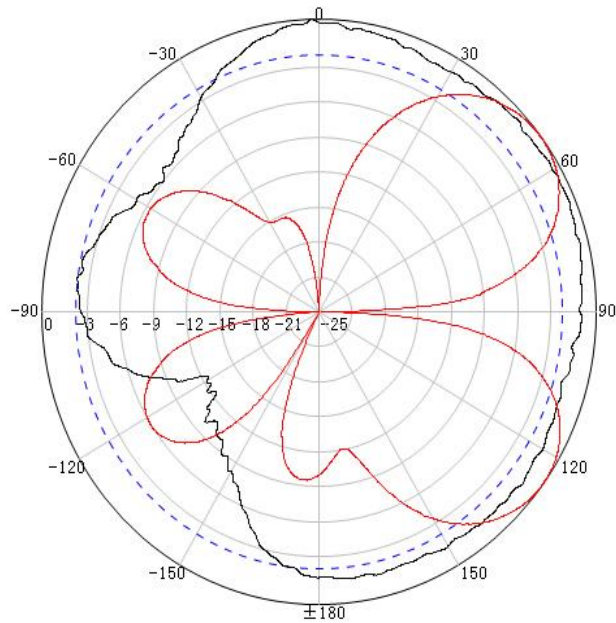
4. Directional Diagram



Type of antenna: sucker antenna  
Test frequency : 868MHz  
Test time:2022-07-07  
Test plane: vertical plane main  
polarization: main polarization  
Polarization mode: Horizontal  
peak level :-40.60dB  
3dB width :37.87°  
ratio: 5.66dB

Type of antenna: sucker antenna  
Test frequency : 868MHz  
Test time:2022-07-07  
Test plane: horizontal plane main  
polarization: main polarization  
Polarization mode: vertical  
peak level :-54.19dB  
3dB width :213.54°  
ratio:3.06dB

Gain : 4.11dBi



Type of antenna: sucker antenna  
Test frequency : 915MHz  
Test time:2022-07-07  
Test plane: vertical plane main  
polarization: main polarization  
Polarization mode: Horizontal  
peak level :-62.32dB  
3dB width :203.70°  
ratio: 1.78dB

Type of antenna: sucker antenna  
Test frequency : 915MHz  
Test time:2022-07-07  
Test plane: horizontal plane main  
polarization: main polarization  
Polarization mode: vertical  
peak level :-41.80dB  
3dB width :37.63°  
ratio: 7.43dB