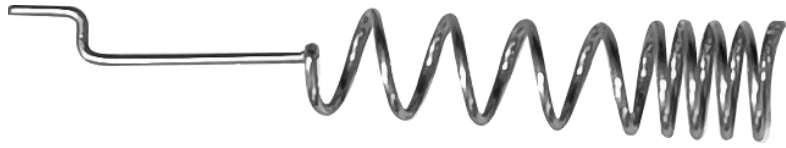


# LoRa basic weather station 868-915 Antenna



## PRODUCTS

| Part No.       | Weight | Cables Dimensions | Color  |
|----------------|--------|-------------------|--------|
| M04-0101870R0A |        | Φ5.6*37.12mm      | Silver |

## SPECIFICATIONS

| PARAMETER                          | SPECIFICATION        |
|------------------------------------|----------------------|
| Frequency Bands, MHz               | 860-928              |
| VSWR (Max)                         | 3:1                  |
| Peak Gain, dBi (Typ)               | Up to 3.11 dBi       |
| Peak Efficiency, %                 | 57.06%               |
| Nominal Impedance                  | 50 Ω                 |
| Max Power (ambient temp of 25°C)   | 10 Watts             |
| Azimuth Beam Width (deg)           | 360°                 |
| Polarization                       | Linear               |
| Color                              | Black                |
| Storage Temperature Range (°C)     | -40° C to +85° C     |
| Operational Temperature Range (°C) | -40° C to +85° C     |
| Material Substance Compliance      | REACH/RoHS Compliant |

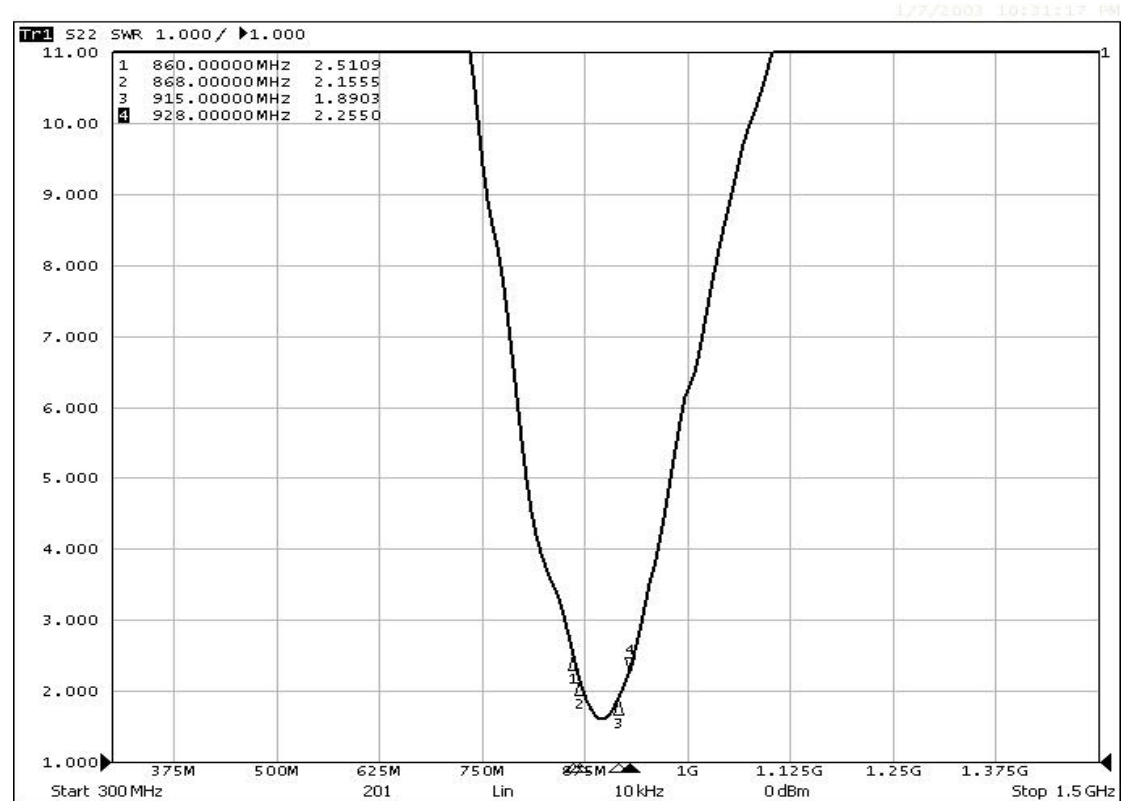
MyAntenna RF Technology Co., Ltd

ADD: Room 410, Building A, Fenghuang Zhigu, No. 50 Tiezi Road, Gongle Community, Xixiang Street, Baoan District, Shenzhen

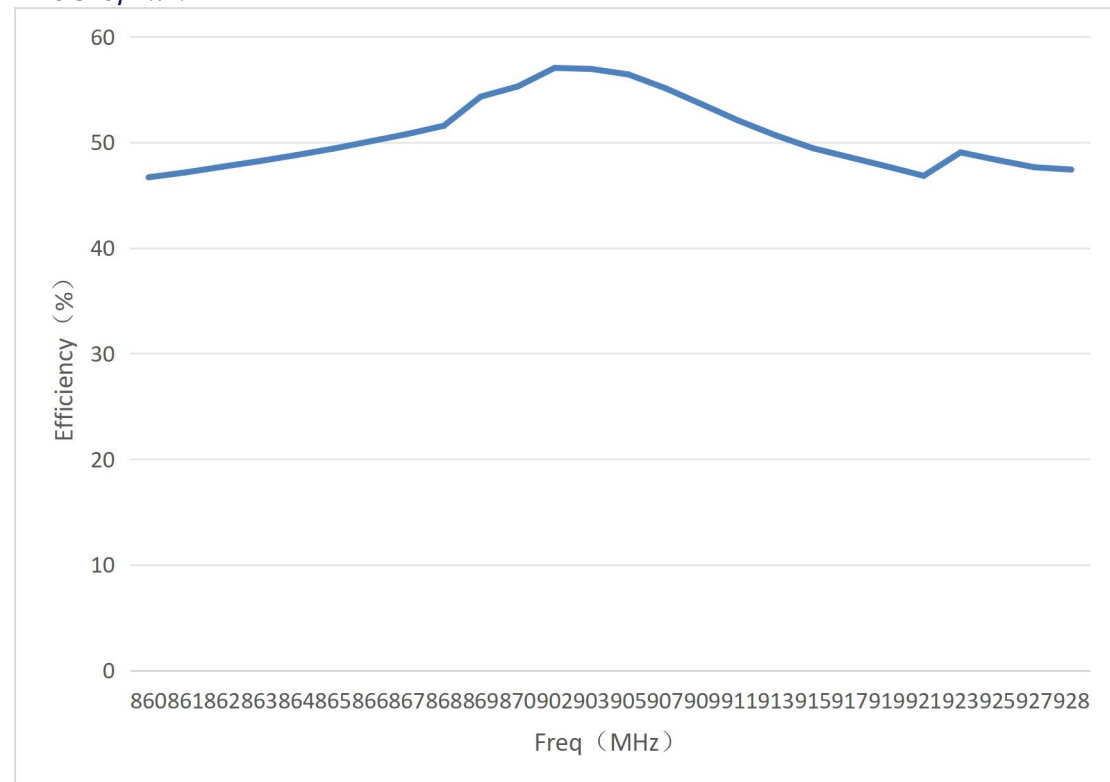
TEL: +86-0755-86503881 E-mail: [nfc@myantenna.com](mailto:nfc@myantenna.com)

## ELECTRICAL DATA

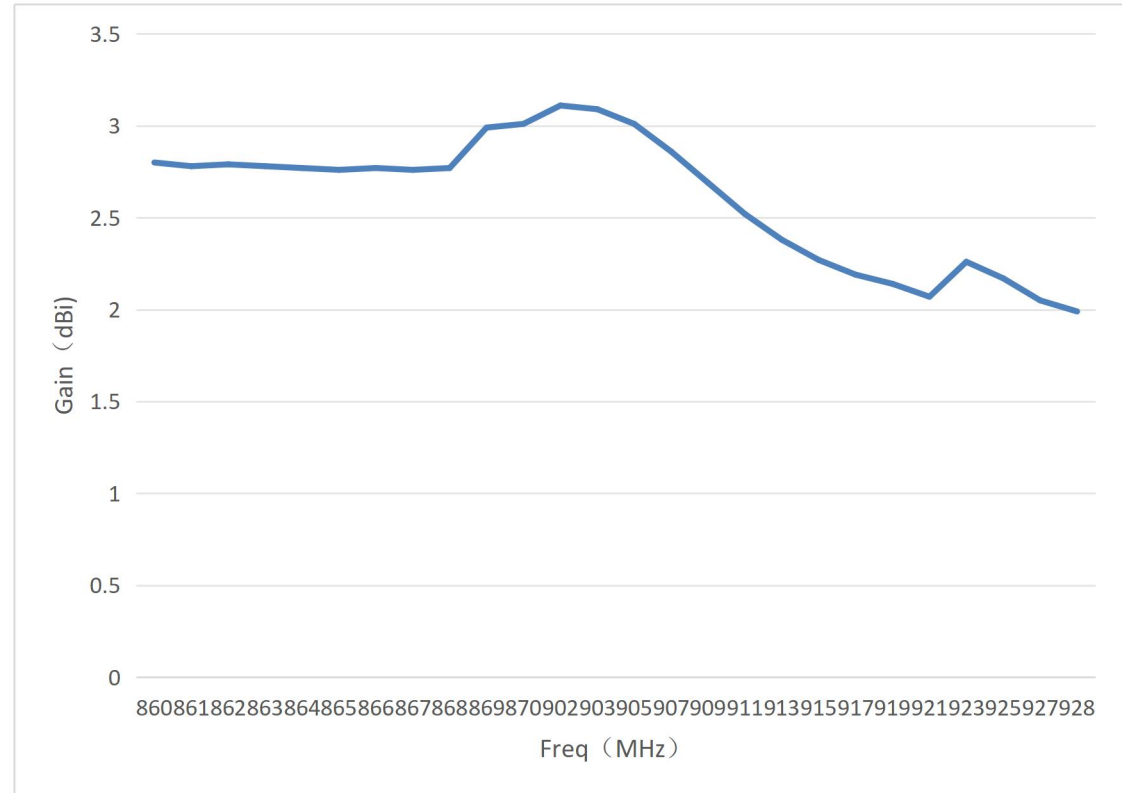
### Return Loss



### Efficiency (%)



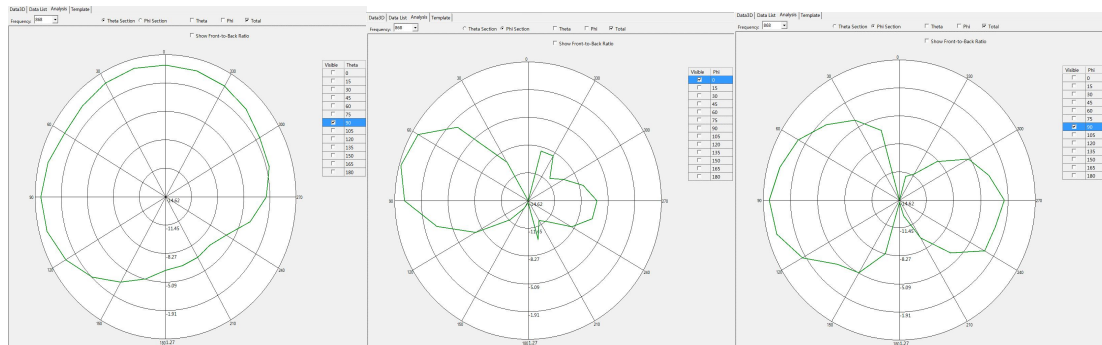
## Peak Gain (dBi)



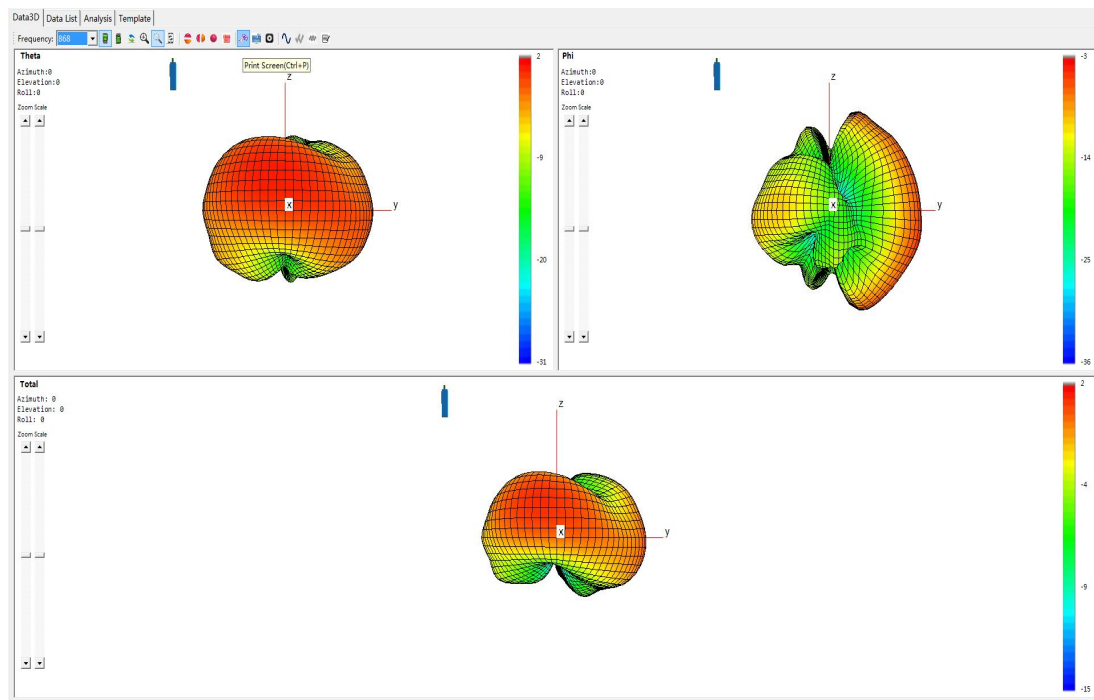
| Freq (MHz) | Gain (dBi) | Efficiency (%) | Freq (MHz) | Gain (dBi) | Efficiency (%) |
|------------|------------|----------------|------------|------------|----------------|
| 860        | 2.8        | 46.7           | 905        | 3.01       | 56.44          |
| 861        | 2.78       | 47.16          | 907        | 2.86       | 55.14          |
| 862        | 2.79       | 47.7           | 909        | 2.69       | 53.6           |
| 863        | 2.78       | 48.23          | 911        | 2.52       | 52.04          |
| 864        | 2.77       | 48.8           | 913        | 2.38       | 50.66          |
| 865        | 2.76       | 49.41          | 915        | 2.27       | 49.45          |
| 866        | 2.77       | 50.1           | 917        | 2.19       | 48.59          |
| 867        | 2.76       | 50.79          | 919        | 2.14       | 47.73          |
| 868        | 2.77       | 51.58          | 921        | 2.07       | 46.84          |
| 869        | 2.99       | 54.34          | 923        | 2.26       | 49.06          |
| 870        | 3.01       | 55.3           | 925        | 2.17       | 48.33          |
| 902        | 3.11       | 57.06          | 927        | 2.05       | 47.65          |
| 903        | 3.09       | 56.96          | 928        | 1.99       | 47.43          |

## RADIATION PATTERNS

### 2D Radiation Pattern at 868MHz Gain =2.77dBi



### 3D Radiation Pattern at 868MHz Gain =2.77dBi



## HOUSING CONFIGURATIONS

