

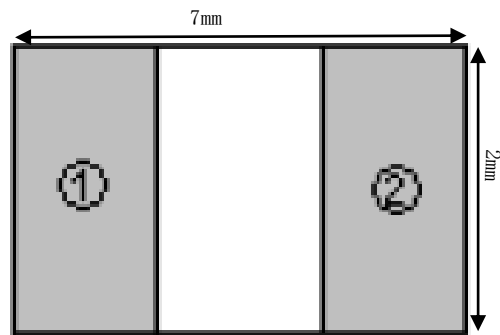
Antenna describe

1. Antenna describe:

|                      |                                                                                             |
|----------------------|---------------------------------------------------------------------------------------------|
| Antenna plate        | SMD ANTENNA                                                                                 |
| Make name/model name | 3S-WLA-BK01                                                                                 |
| Antenna gain         | 0dBi                                                                                        |
| Frequency range      | 2.4GHZ-2.483GHZ                                                                             |
| Connector type       | direct                                                                                      |
| Manufacturer Name:   | Ficont Industry (Beijing) Co., Ltd.                                                         |
| Manufacture Address: | No.15 Chuangyi East 2nd Road Xiji<br>Development Zone, Tongzhou District,<br>Beijing, China |

2.External view drawing:

## Picture of antenna and Antenna Dimensions

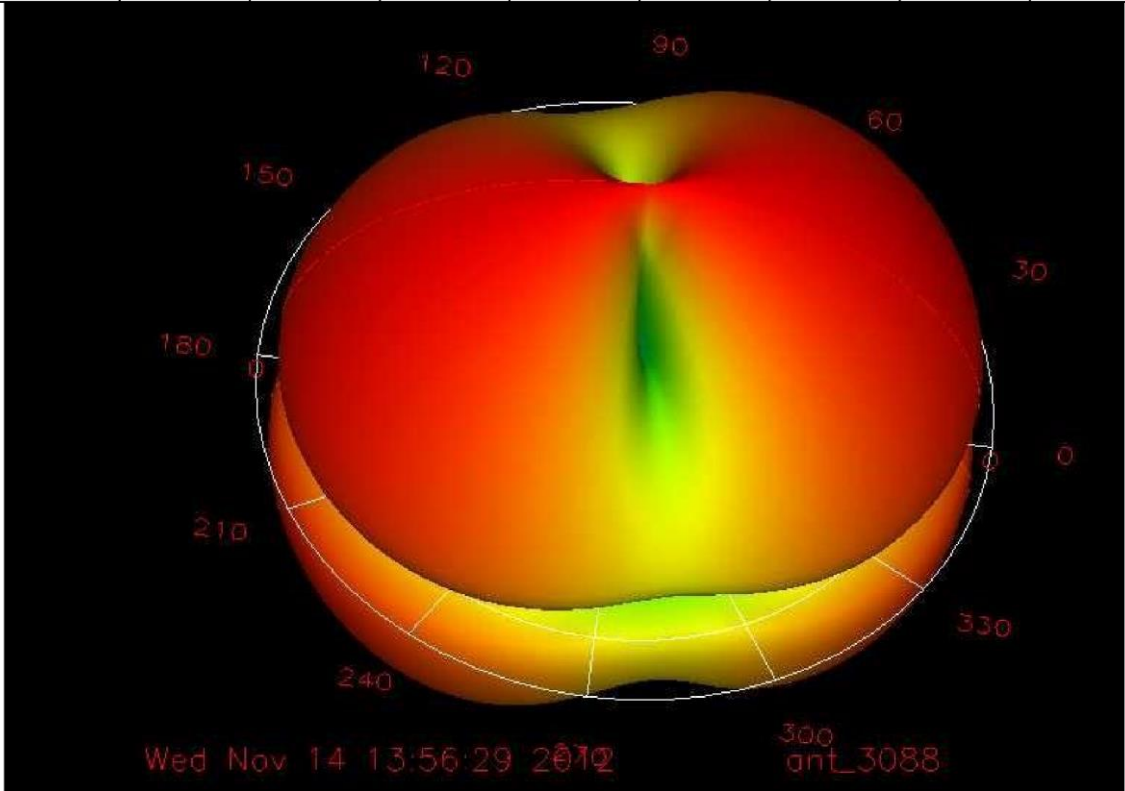


## 3. Antenna Radiation Pattern

Radiation pattern@2.402GHZ

Total Average Gain:-0.475dbi

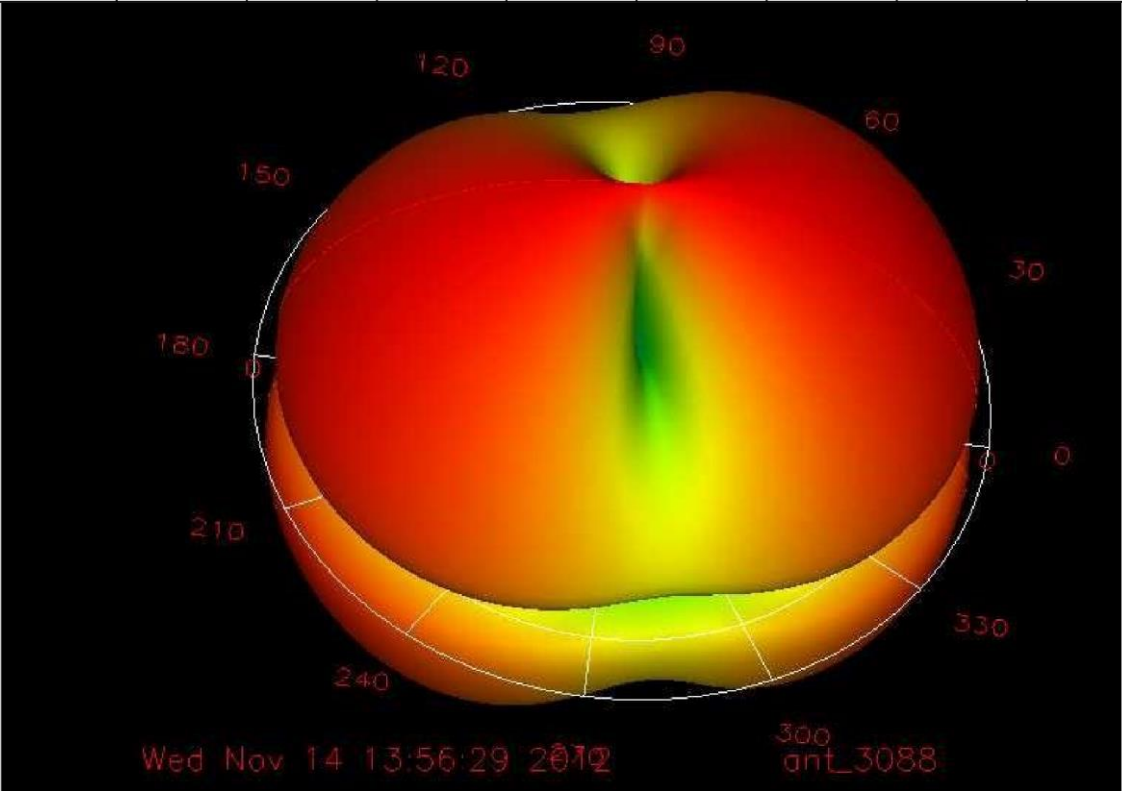
| Phi  | 0    | 45   | 90   | 135  | 180  | 235  | 270  | 315  |
|------|------|------|------|------|------|------|------|------|
| Gain | -0.2 | -0.3 | -0.8 | -0.5 | -0.2 | -0.5 | -0.8 | -0.5 |



Radiation pattern@2.441GHZ

Total Average Gain:-0.275dbi

| Phi  | 0 | 45   | 90   | 135  | 180  | 235  | 270  | 315  |
|------|---|------|------|------|------|------|------|------|
| Gain | 0 | -0.2 | -0.4 | -0.6 | -0.1 | -0.3 | -0.6 | -0.4 |



Radiation pattern@2.480GHZ

Total Average Gain:-0.237dbi

| Phi  | 0 | 45   | 90   | 135  | 180 | 235  | 270  | 315  |
|------|---|------|------|------|-----|------|------|------|
| Gain | 0 | -0.2 | -0.3 | -0.5 | 0   | -0.3 | -0.6 | -0.2 |

