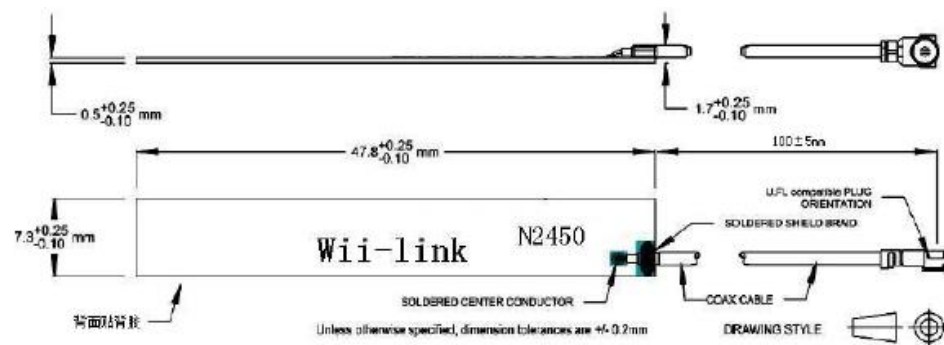


## 1. Antenna Description

|                        |                                                                                                                                        |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Antenna plate          | PCB antenna                                                                                                                            |
| Market name/Model name | N2450                                                                                                                                  |
| Manufacture            | Shenzhen Yishinshi Technology Development Co., LTD                                                                                     |
| Address                | Room 521K, 5th Floor, Xusheng R&D Building, Xifa B Area, Gonghe Industrial Road, Xixiang Sub-district, Bao 'an District, Shenzhen City |
| Antenna Max. Gain      | 3.50dBi                                                                                                                                |
| Frequency Range        | 2400.0-2480.0MHz                                                                                                                       |
| Connect Type           | Integer antenna                                                                                                                        |
| VSWR                   | 1.1                                                                                                                                    |

## 2. Picture of antenna

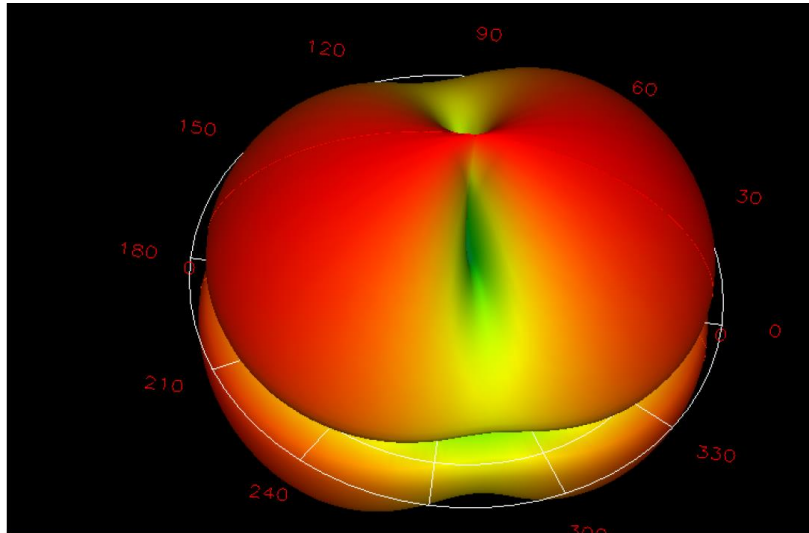


## 3. Antenna Radiation Pattern

Radiation pattern--2.402GHz

Total Average Gain: 2.48dBi

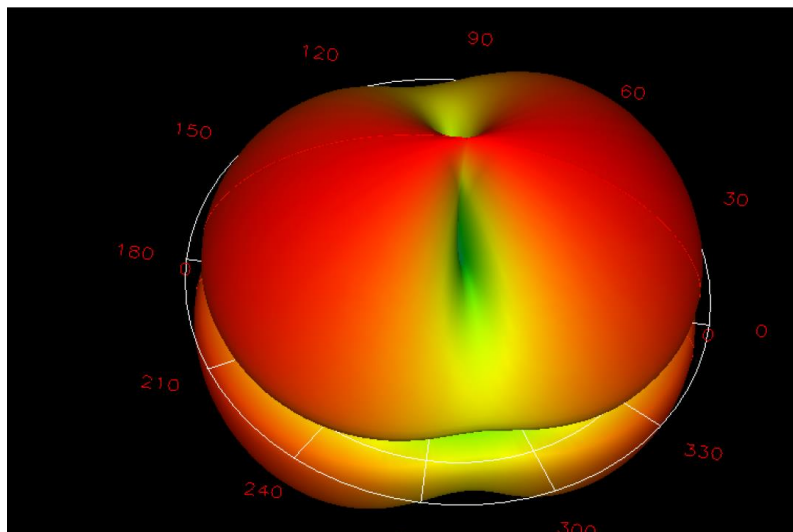
|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| Phi  | 0    | 45   | 90   | 135  | 180  | 235  | 270  | 315  |
| Gain | 2.22 | 2.48 | 2.05 | 2.11 | 2.31 | 1.78 | 2.15 | 2.14 |



Radiation pattern--2.441GHz

Total Average Gain: 3.20dBi

| Phi  | 0    | 45   | 90   | 135  | 180  | 235  | 270  | 315  |
|------|------|------|------|------|------|------|------|------|
| Gain | 2.77 | 3.20 | 2.45 | 2.55 | 2.87 | 2.45 | 2.37 | 2.47 |



Radiation pattern--2.480GHz

Total Average Gain: 3.50dBi

| Phi  | 0    | 45   | 90   | 135  | 180  | 235  | 270  | 315  |
|------|------|------|------|------|------|------|------|------|
| Gain | 3.10 | 3.50 | 2.89 | 2.97 | 3.15 | 2.79 | 2.51 | 2.79 |

