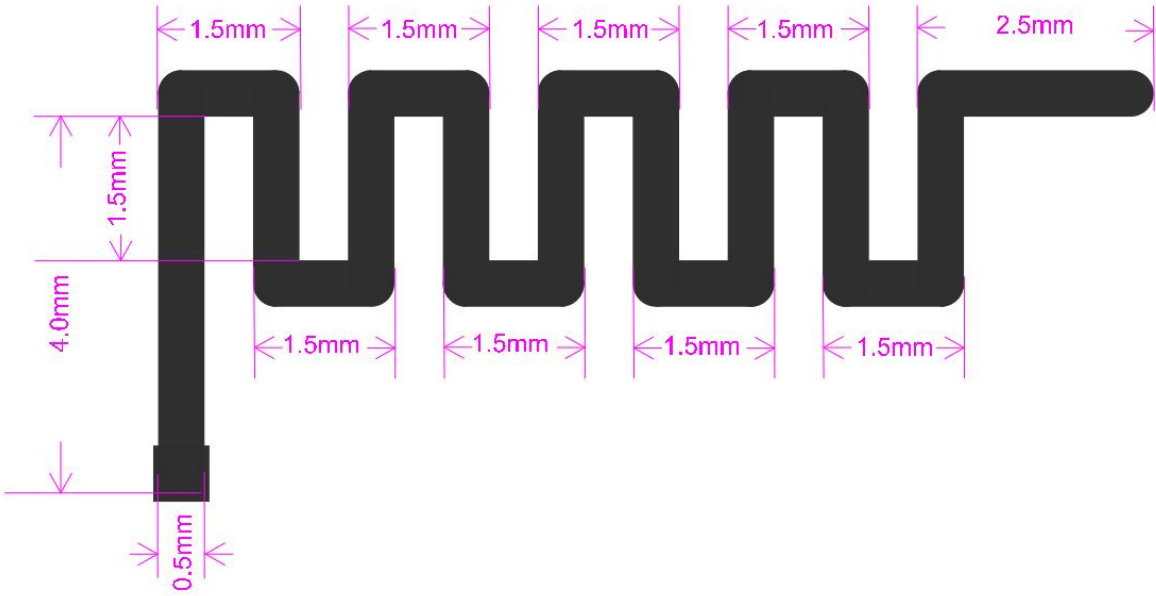


## Features

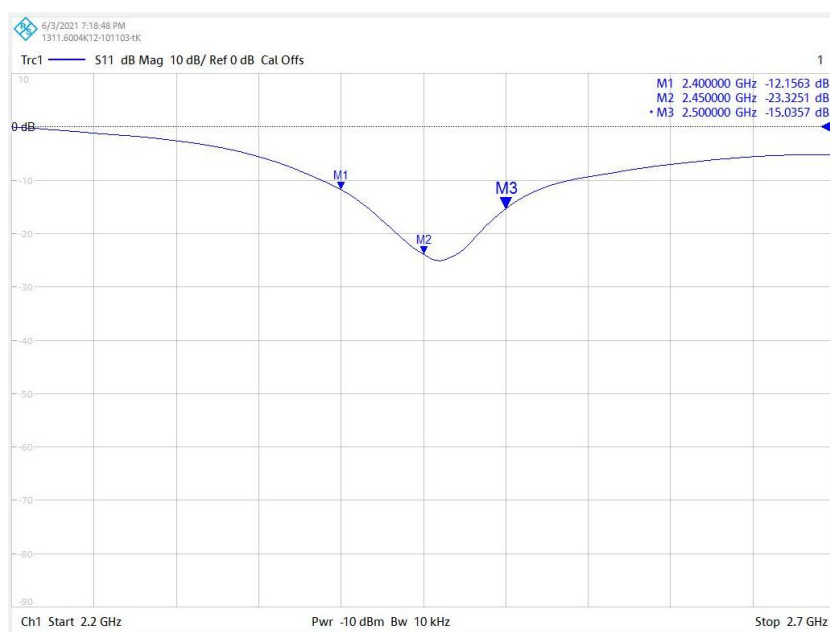
|                         |                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------|
| (1)Installation mode    | Onboard antenna                                                                        |
| (2)Antenna type         | PCB                                                                                    |
| (3)Antenna length       | 30.5mm                                                                                 |
| (4)Antenna width        | 0.5mm                                                                                  |
| (5)Frequency            | 2.4G                                                                                   |
| (6)Manufacturer         | Xichen Technology(shenzhen) Co.,Ltd                                                    |
| (7)Manufacturer address | 5011, Building 34, Chentian Industrial Zone, Xixiang Street, Bao'an District, Shenzhen |
| (8)Antenna model        | Serpentine antenna 002                                                                 |



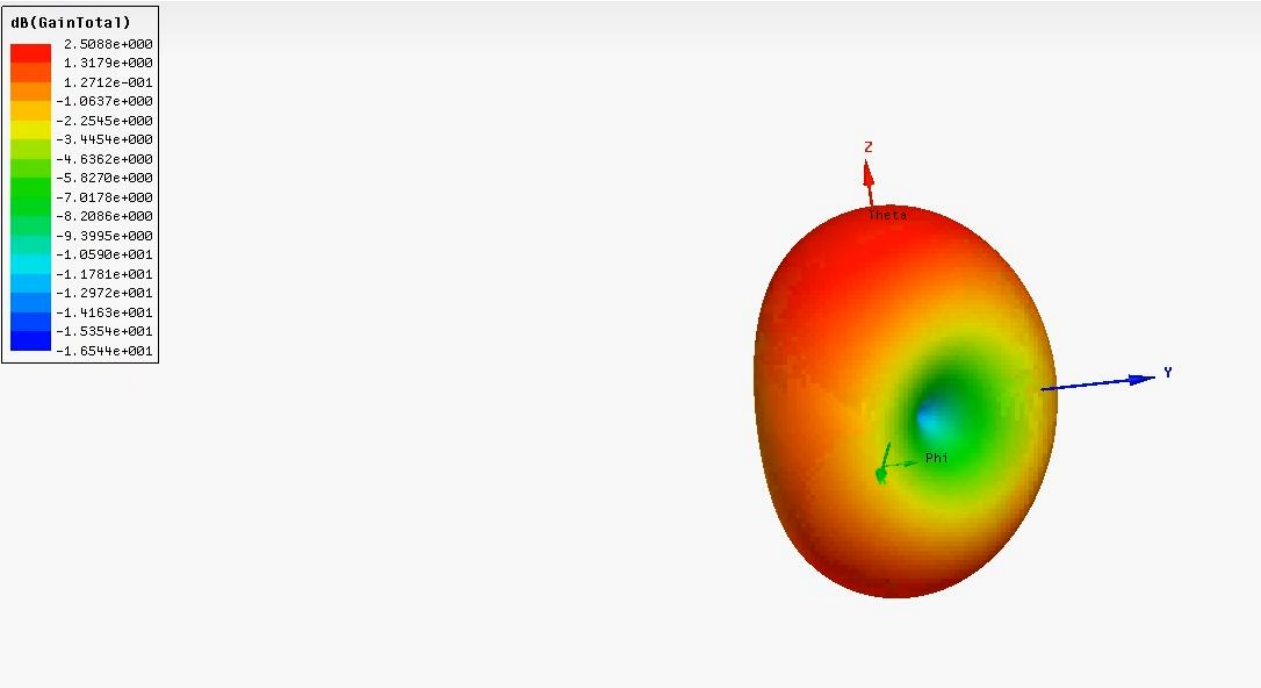
## Electrical Specification

|                            |                  |
|----------------------------|------------------|
| (1)Working Frequency Range | 2400~2500 MHz    |
| (2)Peak Gain               | 2.53dBi (Typ.)   |
| (3)Impedance               | 50 Ohm           |
| (4)VSWR                    | 2.5(Max)         |
| (5)Polarization            | Linear           |
| (6)Azimuth Beamwidth       | Omni-directional |

## S11 Figure



Radiation Figure



Antenna Radiation Pattern

|                       | ZX plane  |                       | ZY plane  |                       | XY plane  |         |
|-----------------------|-----------|-----------------------|-----------|-----------------------|-----------|---------|
| Frequency             | Max Value | Average               | Max Value | Average               | Max Value | Average |
| [MHz]                 | [dBi]     | [dBi]                 | [dBi]     | [dBi]                 | [dBi]     | [dBi]   |
| 2400                  | 2.53      | 1.77                  | 2.24      | -2.5                  | 1.87      | -3.71   |
| 2450                  | 2.02      | 1.82                  | 2.35      | -2.59                 | 2.01      | -3.75   |
| 2500                  | 2.21      | 1.71                  | 2.33      | -2.42                 | 2.11      | -3.55   |
| Radiation Pattern XOZ |           | Radiation Pattern YOZ |           | Radiation Pattern XOY |           |         |
|                       |           |                       |           |                       |           |         |