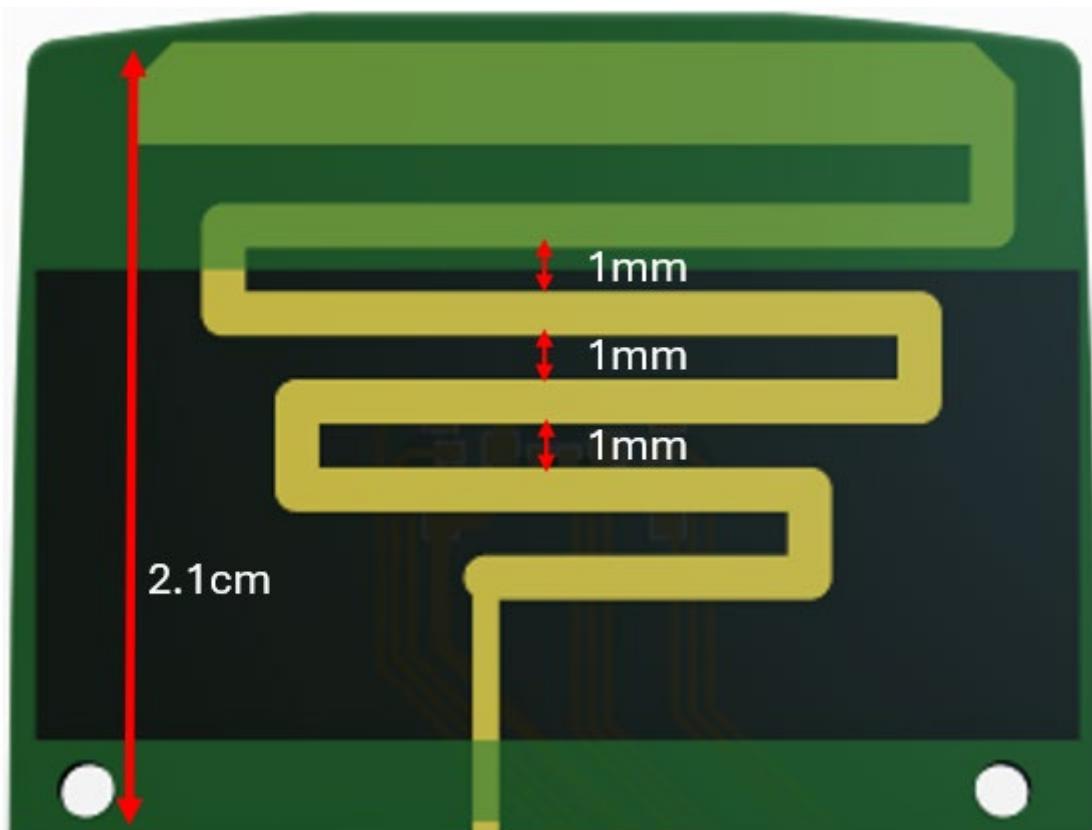


### Meandering Monopole Trace Antenna

This is a low-cost standard design meandering monopole trace antenna designed for a wireless communication system of 915MHz.

#### Specifications:

- Frequency range:  $915\text{MHz} \pm 20\text{MHz}$
- Input impedance: 50 ohms.
- Peak Transmit Power: 24 dBm
- Gain: 2.15dBi
- Polarization: Vertical
- Interface: PCB Trace
- Dimensions:
  - Pitch: 1mm.
  - Height: 2.1cm



**3D View**



Figure 1 PCB 3D View

## Radiation Patterns 902MHZ to 930MHZ (915MHZ)

The radiation pattern is the graphical representation of the radiation properties of the antenna as a function of space. The antenna pattern describes how the antenna radiates energy into space, or how it receives energy from space.

