

# Product Specifications of BH-01 Antenna

## Product Model

BH-01 Antenna

## Product Function and Features

Electrical Properties: It is a general antenna for terminal applications with high gain, miniaturization, low VSWR and etc.

Mechanical Properties: small size and suitable for various severe environments.

## Product Applications

BH-01 Antenna is of convenient application in UHF RFID handheld reader and other terminal application fields.

## Performance Specifications

Frequency Range: 902MHz~928MHz

VSWR:  $\leq 1.3:1$

Gain: 4.5 dBi

Polarization: Circular Polarization

Axial ratio:  $< 3$  dB

Relative humidity: 5% ~ 95%

Impedance:  $50 \pm 1 \Omega$

Connector Type: MMCX (IPX optional)

## Mechanical Specifications

Size: 85 mm  $\times$  85 mm  $\times$  13.6 mm

Weight: 50g

Material: FR4

Color: green

Production Class: IP54

Operating Temperature:  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Storage Temperature:  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

## Mounting Dimensions

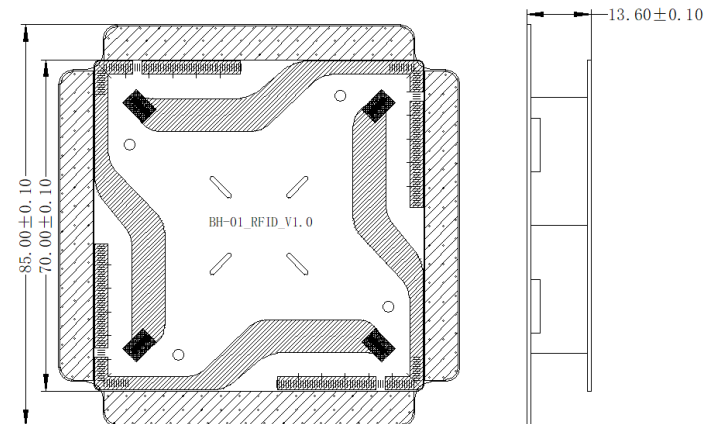


Figure 1. Antenna Structure and Dimensions

## Antenna radiation pattern

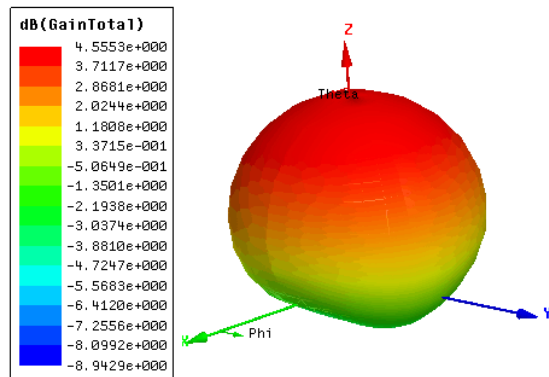


Figure 2. 3D radiation of the antenna

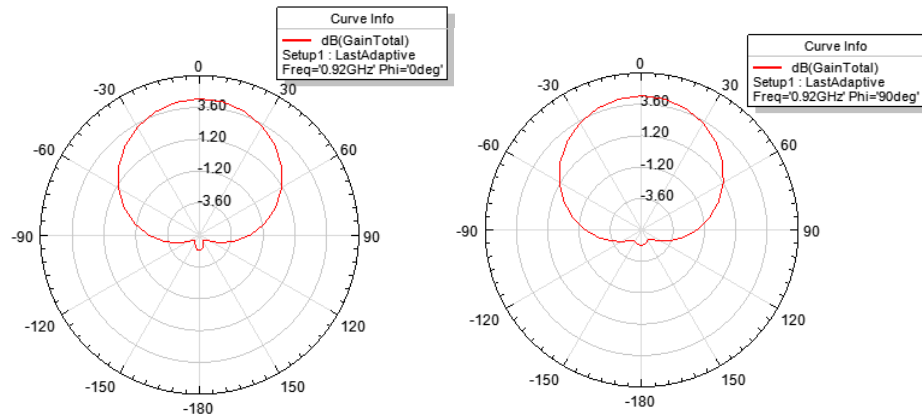


Figure 3. 2D radiation of the antenna