

# BRD- 17 Antenna

## Product Model

BRD-17 Antenna

## Product Features

Electrical Properties: Universal antenna suitable for UHF RFID applications, featuring high gain, low standing wave, ultra-wide bandwidth, etc.

Mechanical Properties: Beautiful appearance, designed with ultra-thin technology, excellent workmanship, and simple installation. It can be used with various types of UHF card readers to maximize the performance.

## Main Applications

BRD-17 Proantenna can be easily used in UHF RFID applications such as access control, warehousing, logistics, and retail.

## Performance

Frequency range: 902 MHz ~ 928 MHz

VSWR:  $\leq 1.3:1$

Gain: 7.5 dBi

Beamwidth:  $45^\circ \times 100^\circ$  ( horizontal x vertical )

Polarization: Circular polarization

Relative humidity: 5% ~ 95%

Impedance:  $50\Omega$

## Mechanical indicators

Dimensions: 550 mm x 340 mm x 40 mm

Weight: 0.5 kg

Material: Engineering plastic, FR4

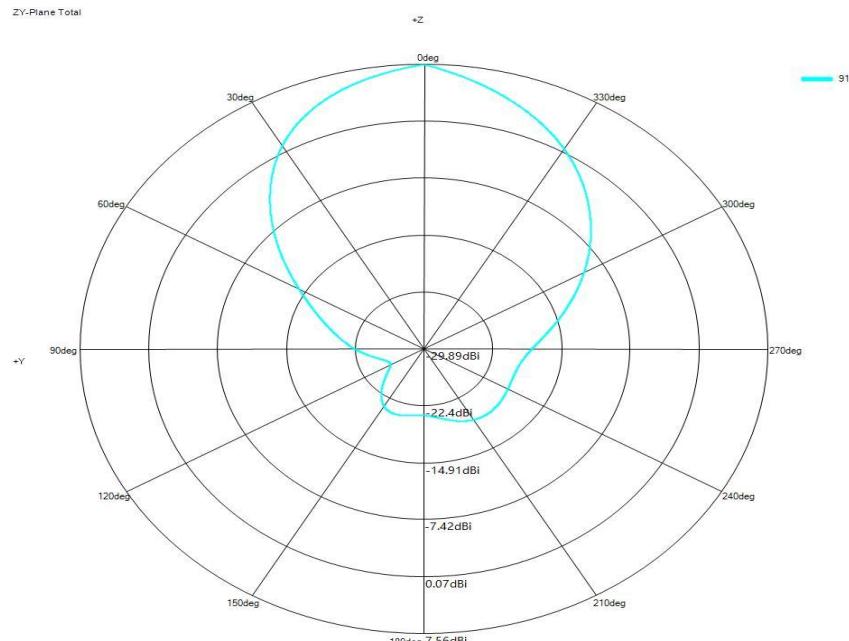
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IP Class: IP64

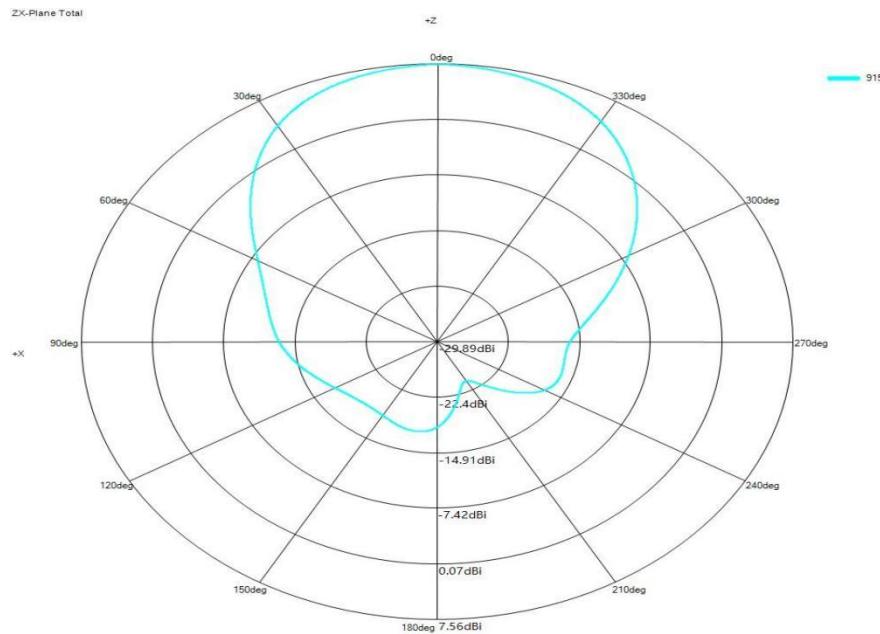
Working temperature:  $-40^\circ\text{C} \sim +85^\circ\text{C}$

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

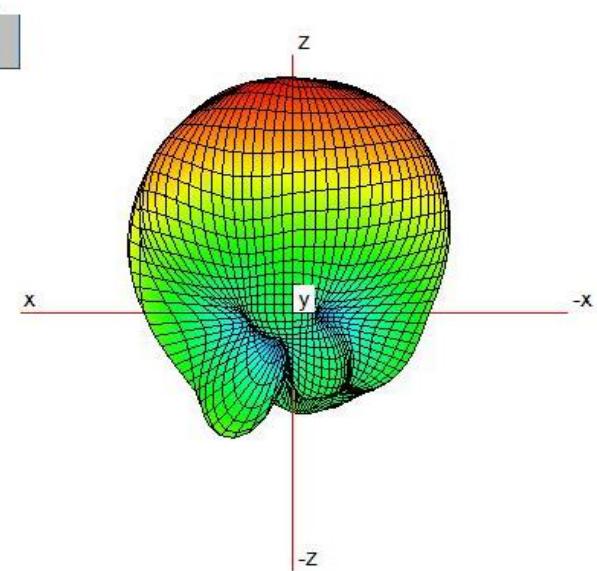
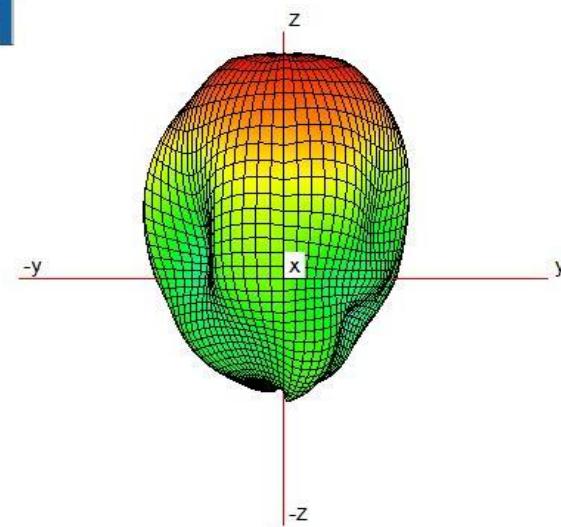
## Antenna Pattern



Antenna 2D pattern 2 (  $\phi=0^\circ$  )



Antenna 2D pattern 1 (  $\phi=90^\circ$  )



Antenna 3D pattern

## **FAQ and Precautions**

The BRD-17 antenna is a circularly polarized directional antenna. When using it, attention should be paid to adjusting the inclination of the antenna to obtain the best reading performance.