

Product Specifications of BRA-04i Antenna

Product Model

BRA-04i Handheld Antenna

Product Function and Features

Electrical Properties: It is for UHF RFID handheld terminal applications with high gain and low VSWR.

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

Product Applications

BRA-04i Antenna is of convenient application in UHF RFID handheld terminals and other terminal application fields.

Performance Specifications

Frequency Range: 902MHz~928MHz

VSWR: $\leq 1.3:1$

Maximum Gain: 2.52 dBi

Polarization: Circular Polarization

Axial ratio: < 3 dB

Relative humidity: 5% ~ 95%

Impedance: $50 \pm 1 \Omega$

Connector Type: SMA (IPX optional)

Mechanical Specifications

Size: 50 mm $\times$ 50 mm $\times$ 8 mm

Weight: 35kg

Material: Ceramic, FR4

Color: White

Production Class: Indoor use only

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

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

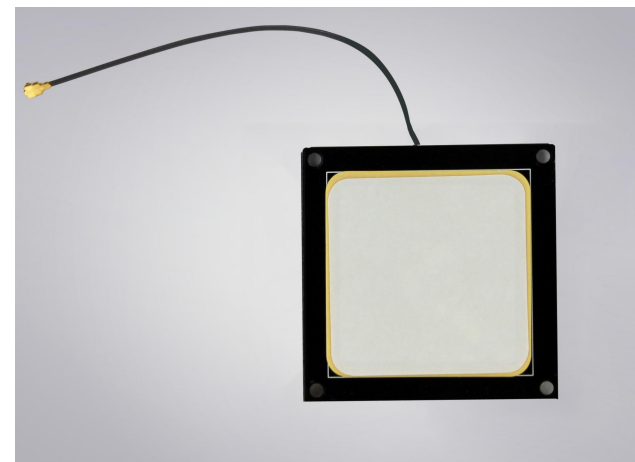


Figure 1. Antenna Photo

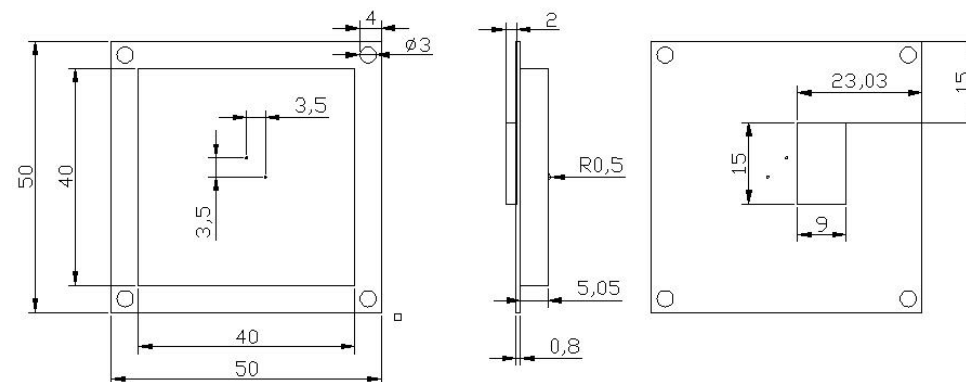


Figure 2. Antenna Dimensions

Antenna Pattern and S Parameter and Gain

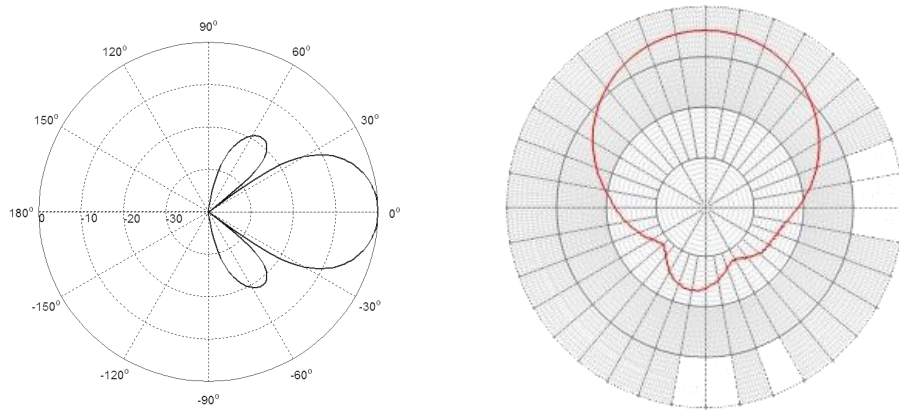


Figure 3. Antenna Pattern

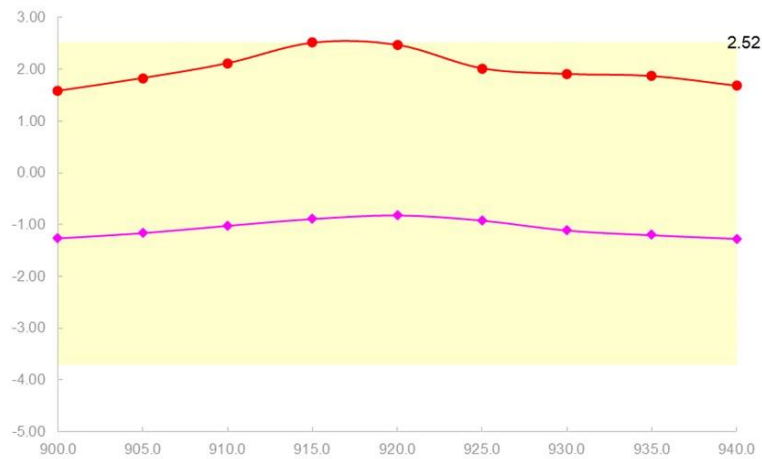


Figure 5. Antenna Gain

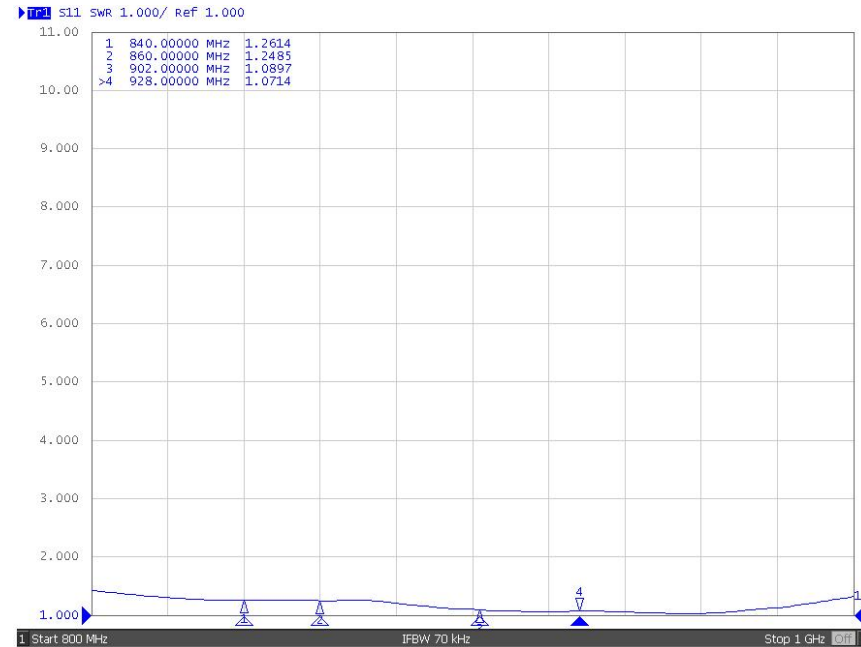


Figure 4. Antenna VSWR