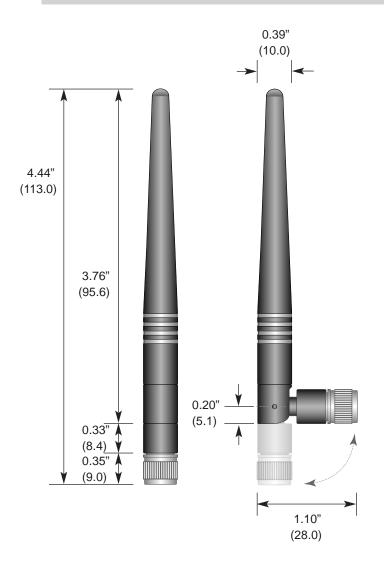


# **ANT-2.4-CW-RCT-xx DATA SHEETS**

### Product Dimensions



## Description

The RCT 1/2-wave 2.4GHz antenna delivers outstanding performance and orientation flexibility in a compact physical package. The antenna's innovative articulating base allows it to tilt and swivel for optimum orientation. The RCT mounts quickly via an SMA or FCC Part 15 compliant RP-SMA connector.

### Features

- · Tilts and rotates
- Very low VSWR
- Excellent performance
- Omni-directional pattern
- Fully weatherized
- · Rugged and damage-resistant
- RP-SMA or SMA connector

### Electrical Specifications

Center Freq. 2.45GHzBandwidth 120MHzWavelength 1/2-wave

VSWR <1.9 typ. at center</li>

Impedance 50 ohmsGain 2.20dBi

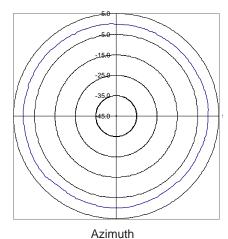
Connector RP-SMA or SMA

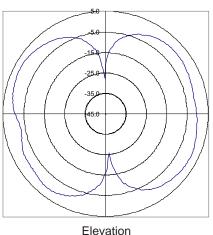
Electrical specifications and plots measured on 4.00" x 4.00" reference ground plane

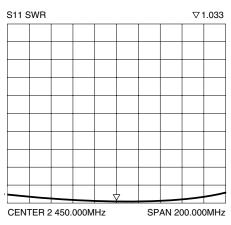
# Ordering Information

- ANT-2.4-CW-RCT-RP (with RP-SMA connector)
- ANT-2.4-CW-RCT-SS (with SMA connector)

# Polar Plots and VSWR Graph







Typical VSWR



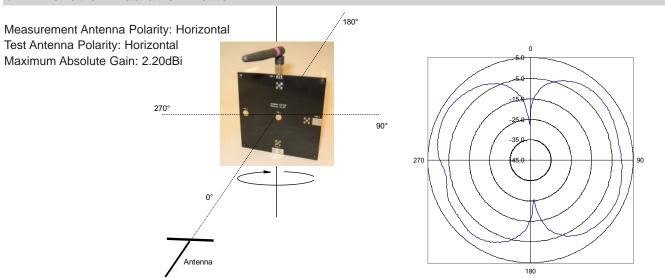


# **ANT-2.4-CW-RCT-xx DATA SHEETS**

180

# Measurement Antenna Polarity: Vertical Test Antenna Polarity: Vertical Maximum Absolute Gain: 0.40dBi 270° 90° 270 46.60 90°

### **Elevation Radiation Pattern**



# Antenna Test Fixture

### ABOUT THIS TEST FIXTURE

The adjoining diagram shows the dimensions of the fixture on which the stated pattern and gain measurements were made. This does not mean that your product must conform to this size or antenna orientation, although it should be recognized that the gain, pattern, and performance may increase or decrease accordingly. Antenna Factor recognizes that our antennas are often used in compact applications with less than ideal ground planes. In some cases, the reference jig is smaller than optimum, particularly with lower-frequency antennas. This is, in part, to more accurately reflect the performance of the antenna in typical real-world applications.

