



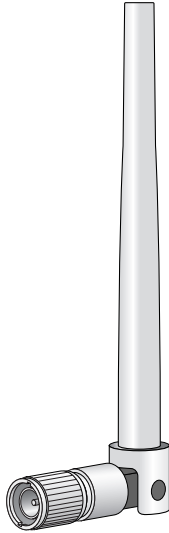
Cisco Aironet 2.4-Ghz Articulated Dipole Antenna (AIR-ANT2422DW-R)

Overview

This document outlines the specifications and description of the 2.2-dBi articulating dipole antenna. This antenna operates in the 2.4- 2.5-GHz band and is designed for use with Cisco Aironet radio products utilizing an RP-TNC connector.

Technical Specifications

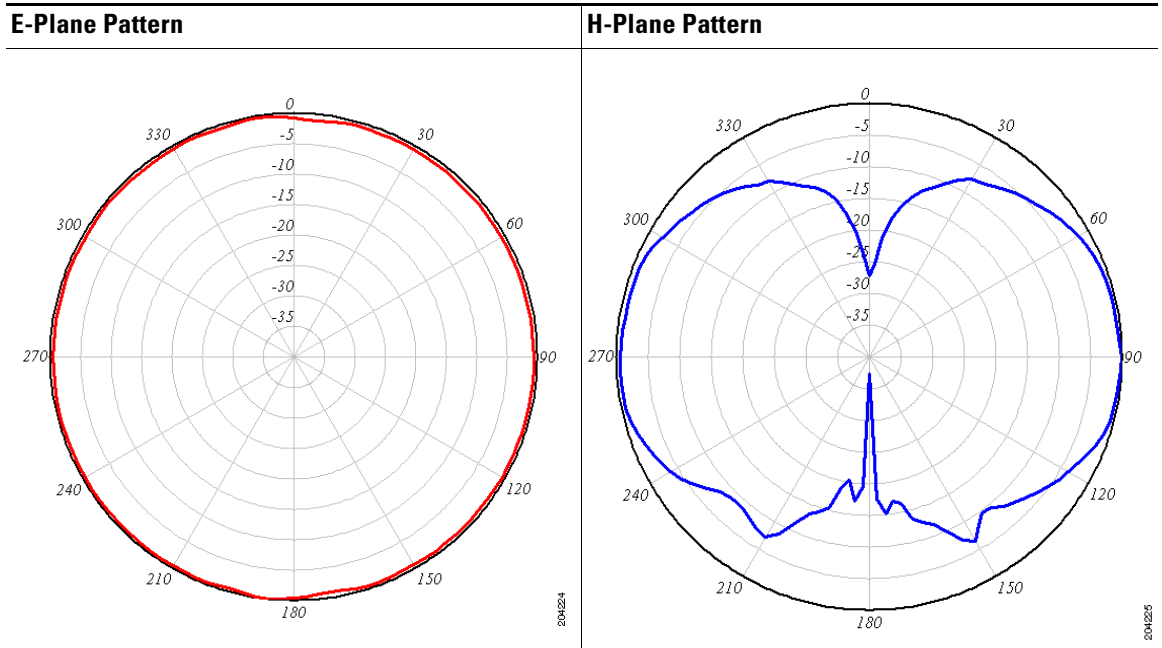
Antenna type	Dipole
Operating frequency range	2402-2495 MHz
Nominal input impedance	50 Ohms
2:1 VSWR bandwidth	2385 - 2515 Mhz
Peak gain	2 dBi
Polarization	Linear, vertical
E-Plane 3-dB beamwidth	70°
H-Plane 3-dB beamwidth	Omnidirectional
Dimensions	5.5 in. (13 cm)
Weight	1 oz.
Connector type	RP-TNC plug
Environment	Indoor
Operating temperature range	32°F to 140°F (0°C to 60°C)



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Americas Headquarters:
Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA

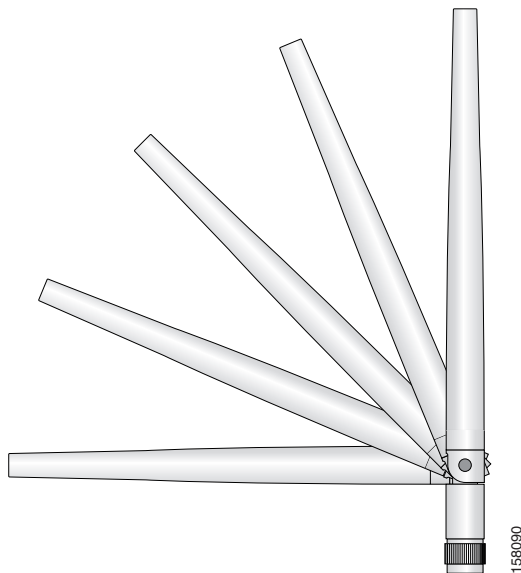


System Requirements

This antenna is compatible with any 2.4-GHz Cisco Aironet device with an RP-TNC connector.

Features

The antenna has an articulated base that can be rotated 360 degrees at the connection point and from 0 to 90 degrees at its knuckle. The articulated base is shown in the following illustration.



Installing the Antenna

**Caution**

This antenna operates in the 2.4-GHz frequency range. Do not connect it to 5-GHz antenna connectors, which are identified by a blue dot. Connecting this antenna to a 5-GHz connector will degrade radio performance and could damage the radio.

Follow these steps to connect the antenna to an access point.

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- Step 1** Align the antenna connector with the RP-TNC connector on the access point.
 - Step 2** Engage the antenna connector threads with the RP-TNC connector.
 - Step 3** Tighten the antenna hand tight.
 - Step 4** Adjust the antenna's articulated mount to the desired position.
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Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation* at: <http://www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html>.

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