



Cisco Aironet 3.5-dBi Articulated Dipole Antenna (AIR-ANT5135DW-R)

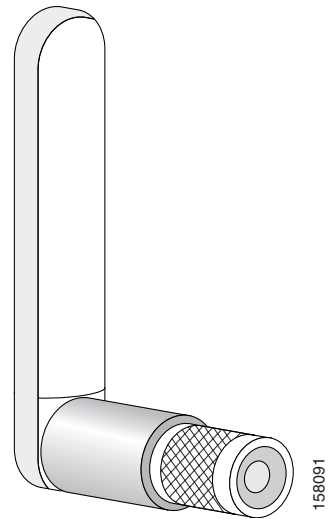
This document outlines the specifications and describes the Cisco Aironet 3.5-dBi Articulated Dipole Antenna. The antenna operates in the 5-GHz frequency band and is designed for use with Cisco Aironet 5-GHz radio products using an RP-TNC connector.

The following information is provided in this document.

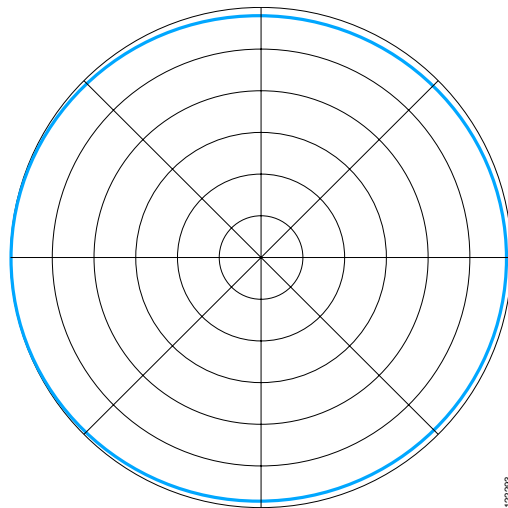
- [Technical Specifications, page 2](#)
- [System Requirements, page 3](#)
- [Obtaining Documentation and Submitting a Service Request, page 3](#)

Technical Specifications

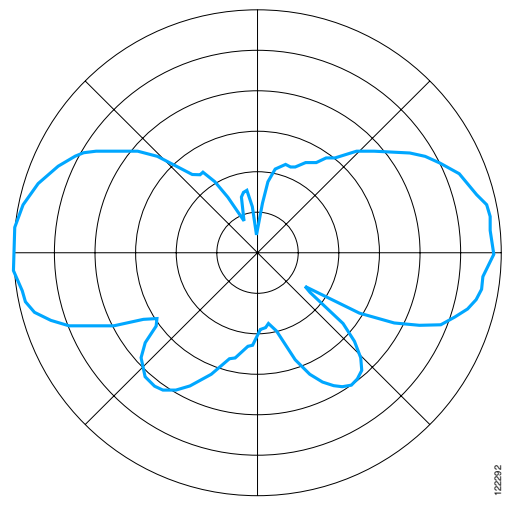
Antenna type	Dipole
Operating frequency range	5150 – 5850 MHz
Nominal input impedance	50Ω
2:1 VSWR bandwidth	5150 – 5850 MHz
Gain	3.5 dBi
Polarization	Linear, vertical
E-plane 3-dB beamwidth	40 degrees
H-plane 3-dB beamwidth	Omnidirectional
Connector type	RP-TNC plug
Length	5.3 in. (13.4 cm)
Radome length	3.4 in. (8.6 cm)
Width	0.62 in. (1.5 cm)
Operating temperature	-22°F – 158°F (-30°C – 70°C)
Storage temperature	-40°F – 185°F (-40°C – 85°C)
Environment	Indoor, office



H-Plane Pattern



E-Plane Pattern

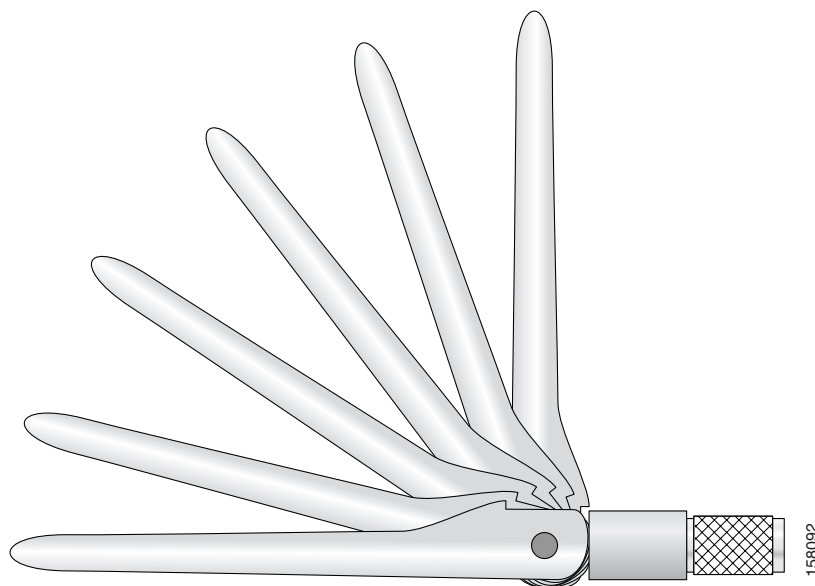


System Requirements

This antenna is designed for use with Cisco Aironet access points and bridges but can be used with any 5-GHz Cisco Aironet radio device that uses RP-TNC connectors.

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 with detents at 45 and 90 degrees. The articulated base is shown in the following illustration.



Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS Version 2.0.

Cisco and the Cisco Logo are trademarks of Cisco Systems, Inc. and/or its affiliates in the U.S. and other countries. A listing of Cisco's trademarks can be found at www.cisco.com/go/trademarks. Third party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1005R)

Copyright © 2006 Cisco Systems, Inc. All rights reserved.