



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

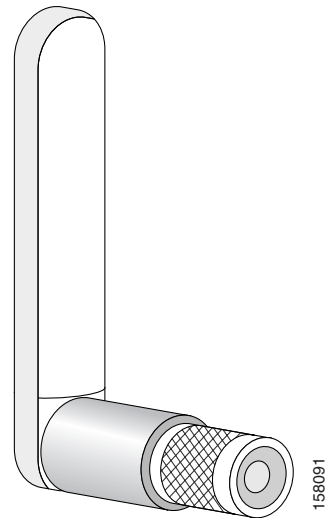
This document outlines the specifications and describes the Cisco Aironet 3.5-dBi Articulated Dipole Antenna. The antenna operates in the 5-GHz frequency band and is designed for use with Cisco Aironet 5-GHz radio products using an RP-TNC connector.

The following information is provided in this document.

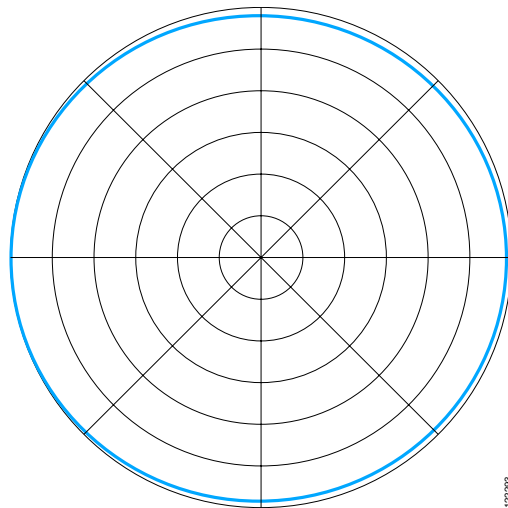
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Technical Specifications

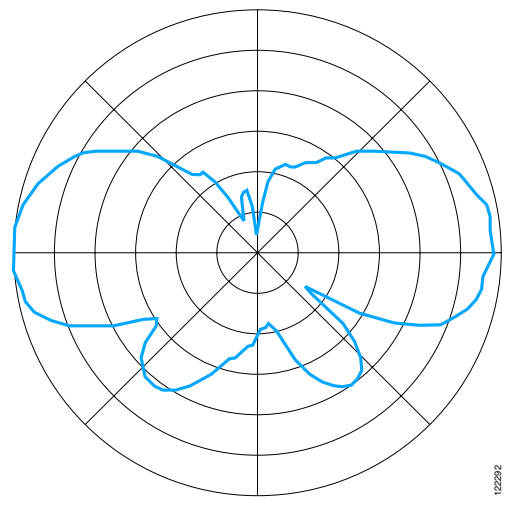
| | |
|---------------------------|---------------------------------|
| Antenna type | Dipole |
| Operating frequency range | 5150 – 5850 MHz |
| Nominal input impedance | 50Ω |
| 2:1 VSWR bandwidth | 5150 – 5850 MHz |
| Gain | 3.5 dBi |
| Polarization | Linear, vertical |
| E-plane 3-dB beamwidth | 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

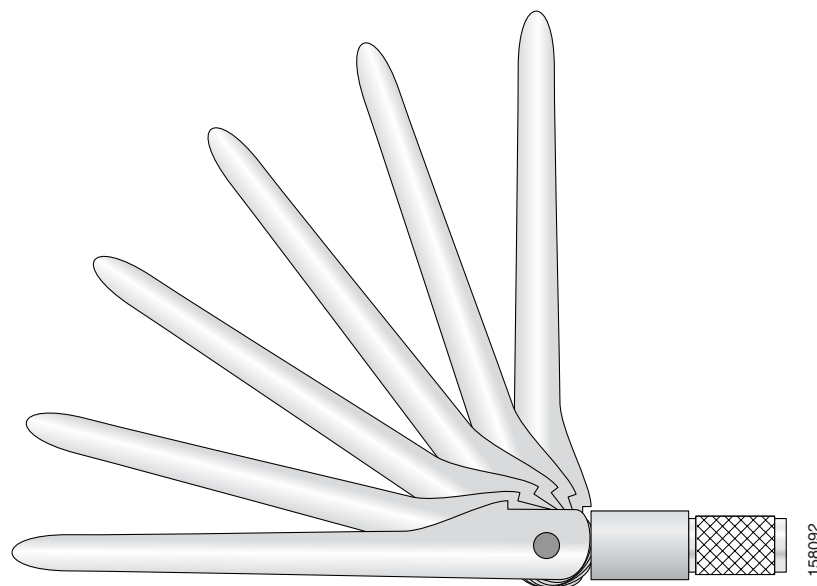


System Requirements

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>

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