Cisco Aironet 3.5-dBi Dipole Antenna (AIR-ANT5135DG-R)

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

Note This antenna is fixed. It does not have an articulating feature.

The following information is provided in this document.

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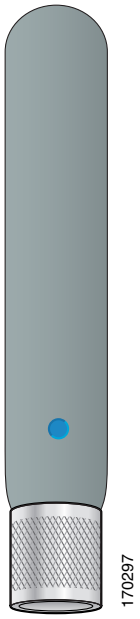
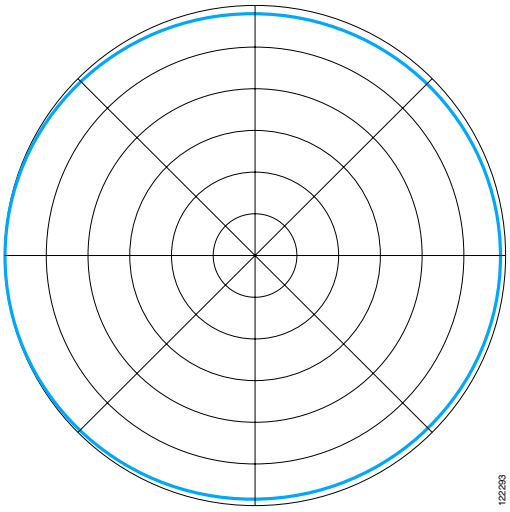
Technical Specifications

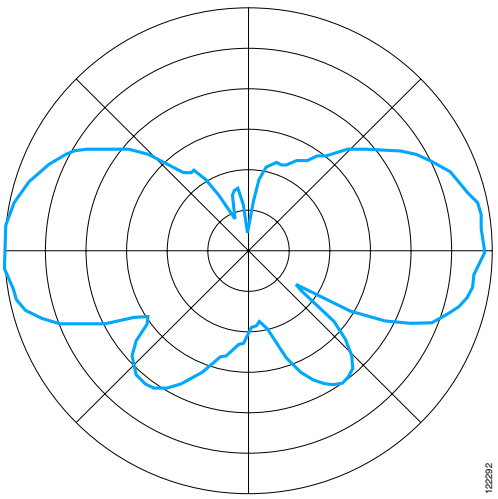
Antenna type	Dipole
Operating frequency range	5150 – 5850 MHz
Nominal input impedance	50Ω
2:1 VSWR bandwidth	5150 – 5850 MHz
Gain	3.5 dBi
Polarization	Linear, vertical
E-plane 3-dB beamwidth	40 degrees
H-plane 3-dB beamwidth	Omnidirectional
Connector type	RP-TNC plug
Length	5.3 in. (13.4 cm)
Radome length	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 a small blue dot near its base. The blue dot identifies it as a 5-GHz antenna.

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.

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