

Cisco 2.4/5/6 GHz Tri-Band Omnidirectional Antenna (IW-ANT-OMH-2567-N)

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Overview

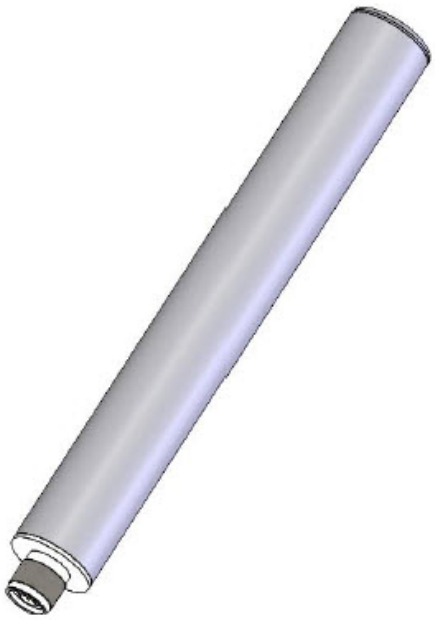
The Cisco 2.4/5/6 GHz Tri-Band Omnidirectional Antenna (IW-ANT-OMH-2567-N) is especially designed to complement interior or exterior mounted wireless network systems.

The integrated male N(m) connector is embedded in the antenna base cap for direct mounting to the chosen AP. The ingress protection rating of this antenna element permits either upright or inverted orientation in outdoor locations. The antenna may also be pole-mounted when separation from the AP is required for optimum positioning.

The IW-ANT-OMH-2567-N is a self-identifying antenna having circuitry that enables supported Cisco access points (APs) to self-identify the antenna. This antenna has a built-in EEPROM that the APs read to automatically configure the antenna type and the gain in the wireless controller.

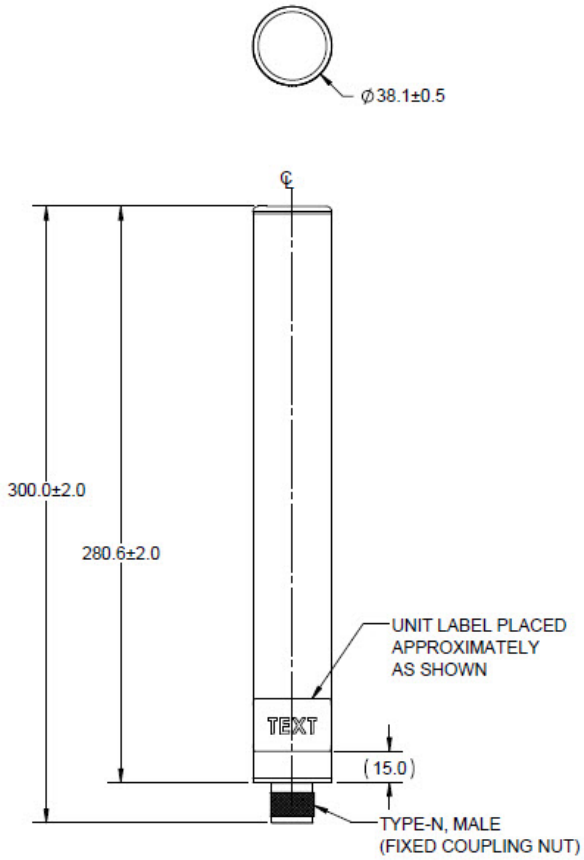
The following figure shows the IW-ANT-OMH-2567-N:

Figure 1: IW-ANT-OMH-2567-N



The following figure shows the mechanical diagram and mounting instructions:

Figure 2: IW-ANT-OMH-2567-N Mechanical Diagram



Specifications

This section provides tables that show the antenna specifications.

Table 1: Mechanical Specifications

Cisco PID	IW-ANT-OMH-2567-N
Characteristic Impedance	50 Ohm
Antenna Type	Dipole
Polarization	Linear, Horizontal
Maximum Input Power	2 W
Operational Temperature	-40 to +70 °C
Storage Temperature	-40 to +85 °C

Ingression Protection	IP67
Weight	168g (0.37 lb)
Wind Loading, (survival)	165 mph

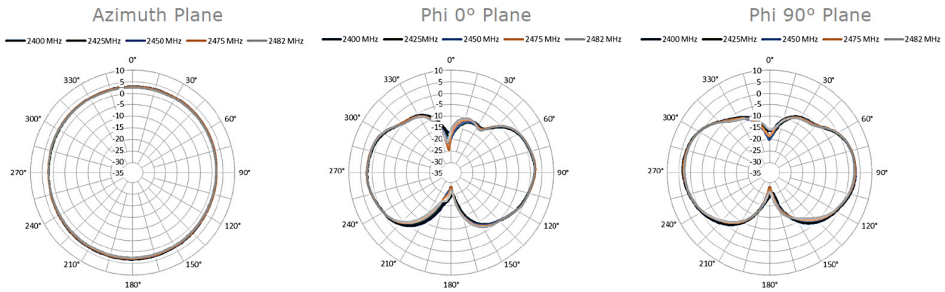
Table 2: Electrical Specifications

Operating Frequency	2400-2484 MHz	4900-4990 MHz	5170-5330 MHz	5490-6875 MHz
VSWR, Max	2.5:1	2.2:1	2.8:1	2.8:1
Peak Gain, Max	4 dBi	7 dBi	7 dBi	7 dBi
Average Gain, Near Horizon	2.5+/-0.5 dBi	4.5+/-1 dBi	4.0+/-1 dBi	3.5+/-1 dBi
Elevation Plane 3 dB Beamwidth	62°	31°	29°	26°
Azimuth Plane 3 dB Beamwidth	Omni-directional			

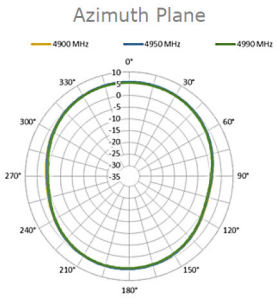
Radiation Patterns

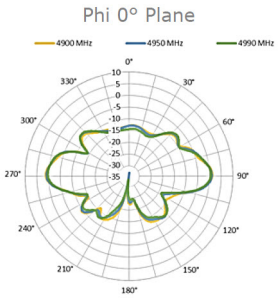
This section shows the various radiation patterns for the antenna at different frequencies.

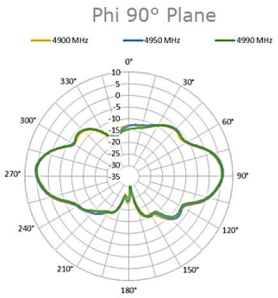
2400 - 2484 MHz



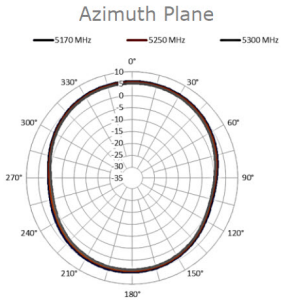
4900 - 4990 MHz

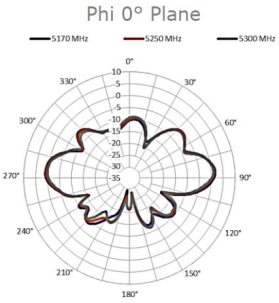


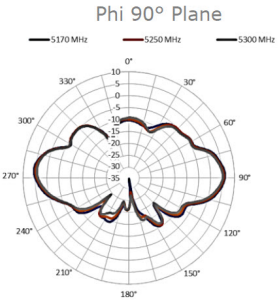




5170 - 5300 MHz







5490 - 5900 MHz

