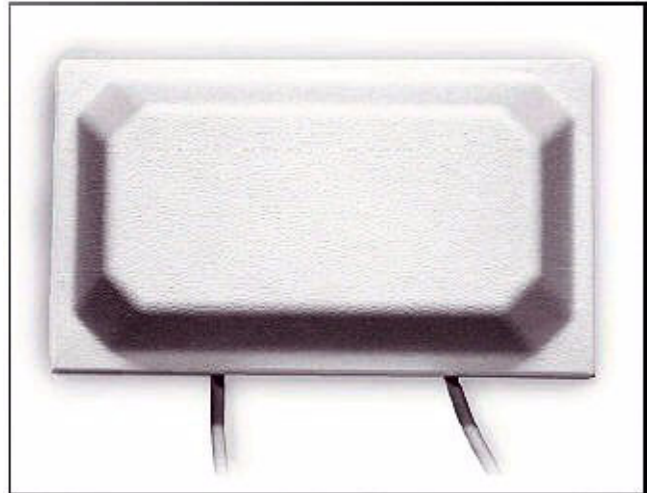


## SPECIFICATIONS

Model	J8997A
Frequency, MHz	2400-2500 & 4900-5990
Gain with specified cable (dBi):	3 / 4
VSWR max.	2.0:1
E-Plane (3 dB beamwidth):	60° / 58°
H-Plane (3 dB beamwidth):	Omnidirectional
Polarization:	Linear, (Vertical) (2x)
Impedance (Ohms)	50
Weight lb. (kg)	0.5 (0.23)
Dimensions, in. (cm):	6.2" x 3.6" x 0.89" (15.6 x 9.3 x 2.26)
Mounting Style	Ceiling Grid
Wind Surface Area ft <sup>2</sup> (m <sup>2</sup> )	Not Applicable
Wind Survival mph (km/hr)	Not Applicable
Enclosure	PVC/Acrylic
RF Connector:	Reverse SMA (male)
Cable	33-inch CMP Plenum
Storage Temperature (min/max)	-40° / +65°C
Operating Temperature (min/max)	-30° / +55°C

## ProCurve 3 dBi Dual Band Diversity antenna J8997A



## SAFETY

The ProCurve J8997A and all associated equipment should be installed in accordance with applicable local and national electrical code guidelines to ensure safe operation.

*Please read all instructions carefully before attempting to install and use this product.*

## APPLICATION

The J8997A is a ceiling-mounted spatial omnidirectional array especially designed for use with spatial-diversity access point systems. Two independent vertically polarized radiators provide null-free omnidirectional coverage for meeting rooms, offices, departmental areas, or other enclosed spaces.

## LOCATION

For best results, mount the J8997A at ceiling level near the center of the coverage area. A line-of-sight path between the antenna and active floor locations works best. Avoid mounting next to a column or vertical support that could create a shadow zone and reduce coverage to one portion of the room.

## HP WARRANTY INFORMATION

See the Customer Support/Warranty booklet included with this product. A copy of the specific warranty terms applicable to your ProCurve products and replacement parts can be obtained from your HP Sales and Service Office or authorized dealer.

## SUPPORT

Hewlett-Packard offers support 24 hours a day, seven days a week through the use of a number of automated electronic services. See the Customer Support Warranty booklet that came with your product for information on how to use these services to get technical support. You can also get up-to-date support information from the ProCurve Web site: [www.procurve.com](http://www.procurve.com)

Additionally, your HP-authorized network reseller can provide you with assistance, both with services that they offer and with services offered by ProCurve.



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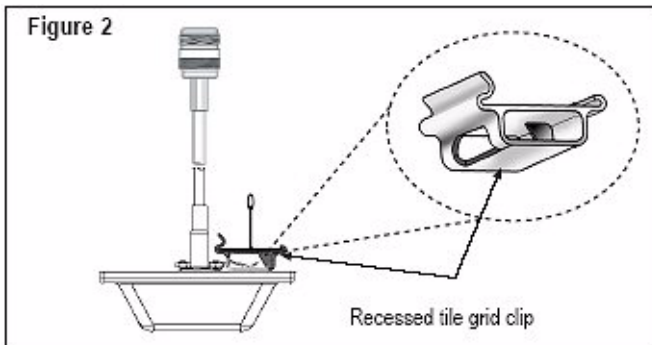
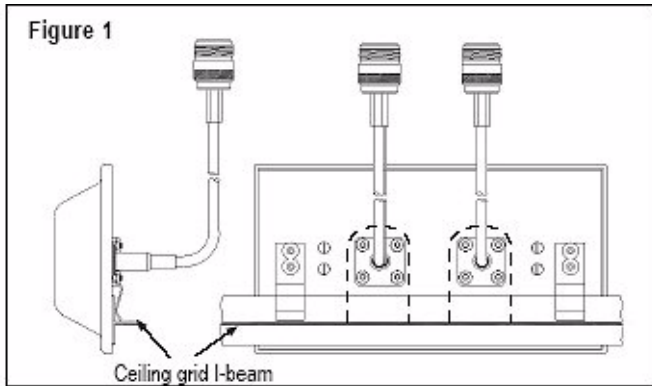
The information contained herein is subject to change without notice.

Part Number: 5991-3836



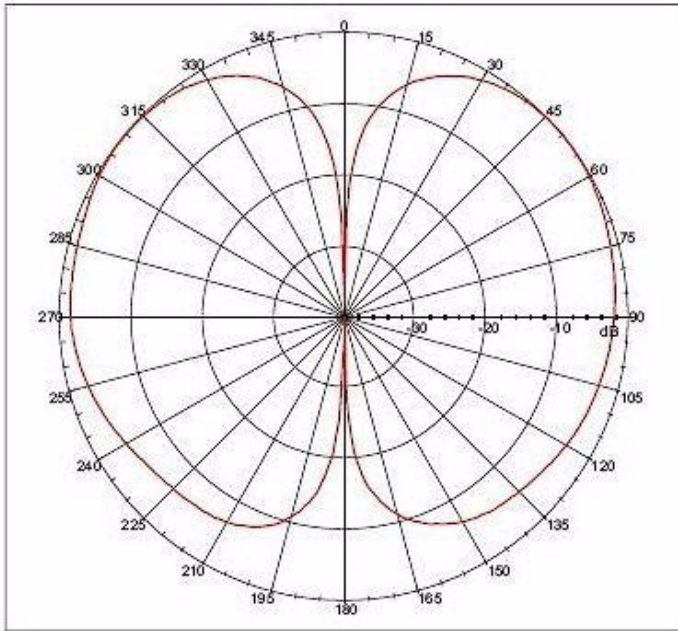
## INSTALLATION

Suspended-ceiling mounting clips are provided on the rear panel of the antenna package. Make two small slots in the tile to pass the feedlines then install the antenna on the tile-support rail, as shown in Figure-1. For installations using recessed-edge tiles, use the supplied plastic recessed tile adapter clips. Snap clips onto the ceiling-tile grid then mount the antenna to the clips, as illustrated in Figure-2.

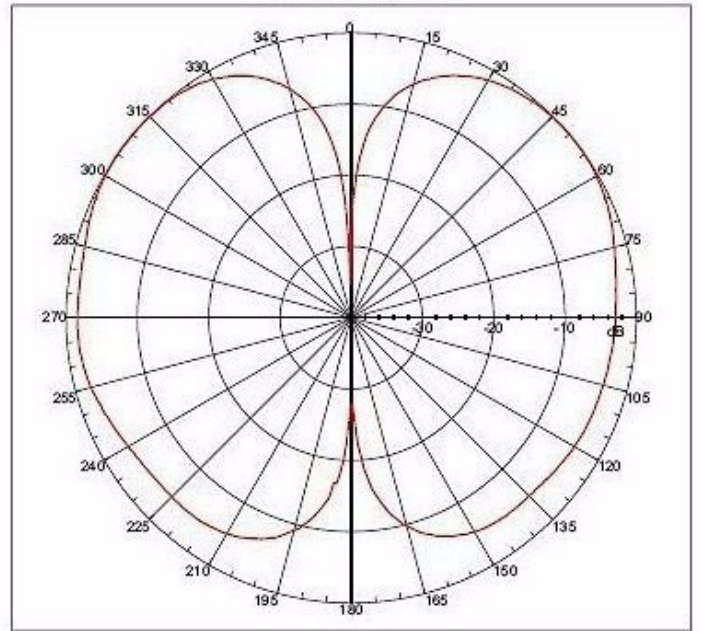


# J8997A Radiation Plots, E Plane 2.4–2.5 GHz Band

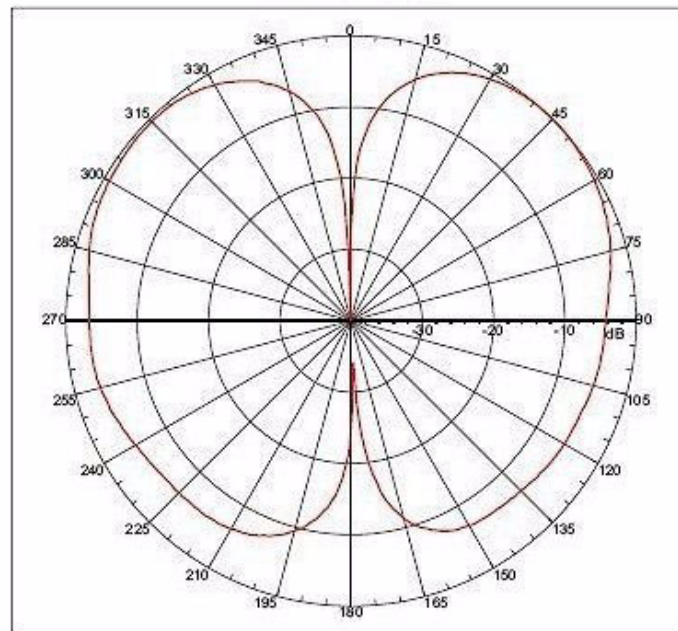
## 2.4 GHz, E Plane



## 2.45 GHz, E Plane

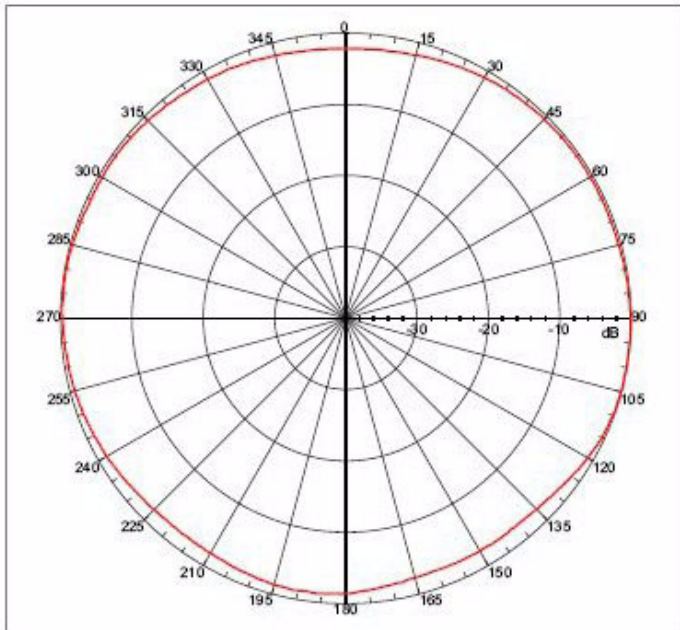


## 2.5 GHz, E Plane

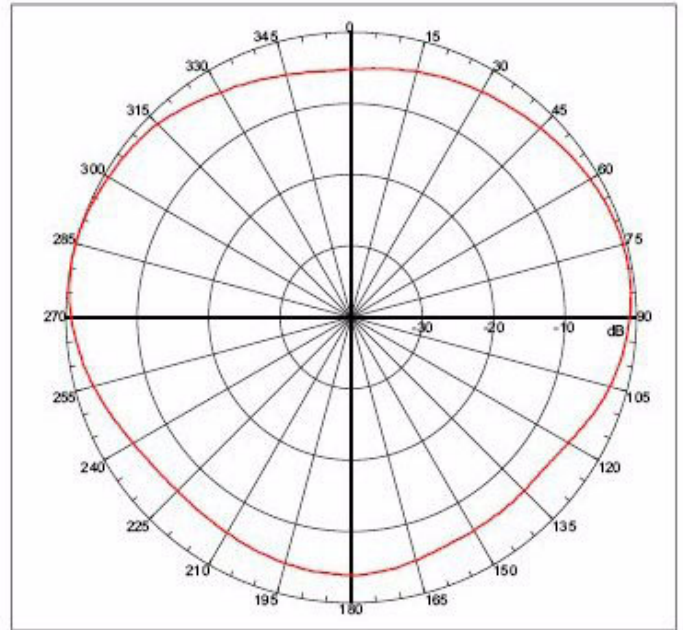


# J8997A Radiation Plots, H Plane 2.4–2.5 GHz Band

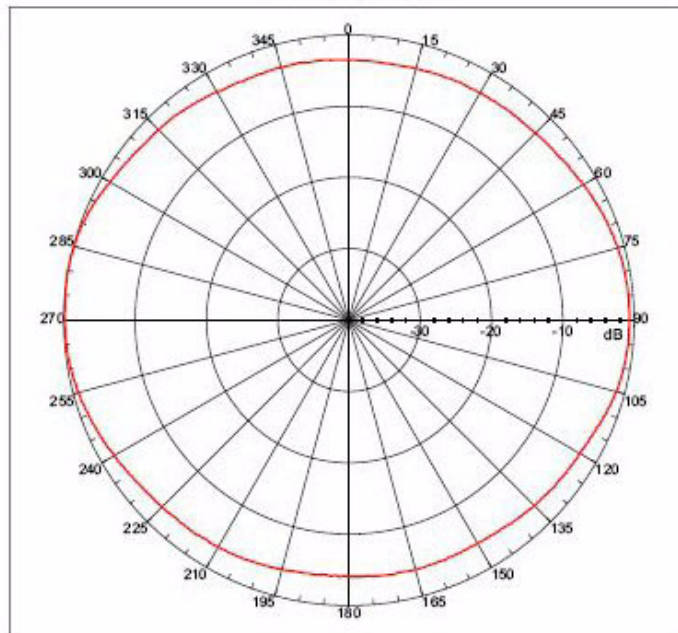
## 2.4 GHz, H Plane



## 2.45 GHz, H Plane



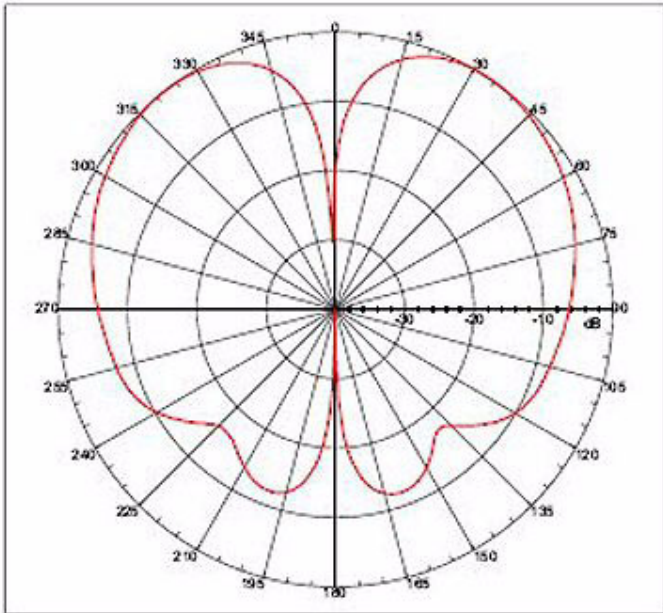
## 2.5 GHz, H Plane



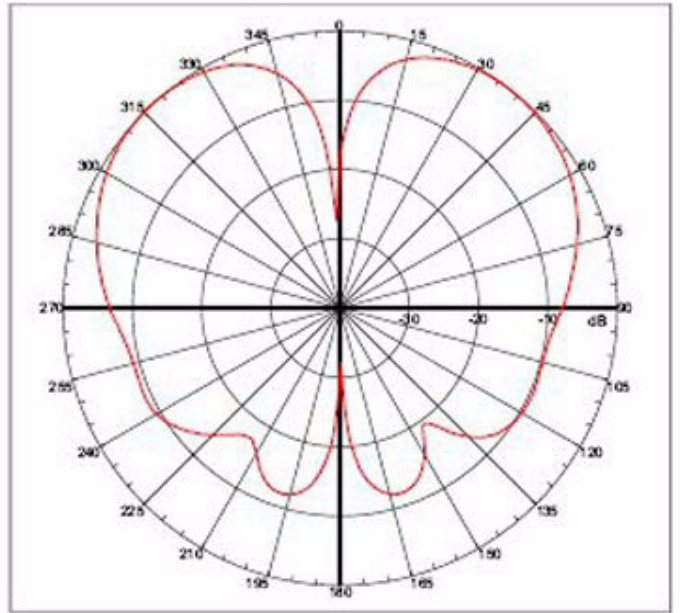


# J8997A Radiation Plots, E Plane 4.9 - 5.99 GHz Band

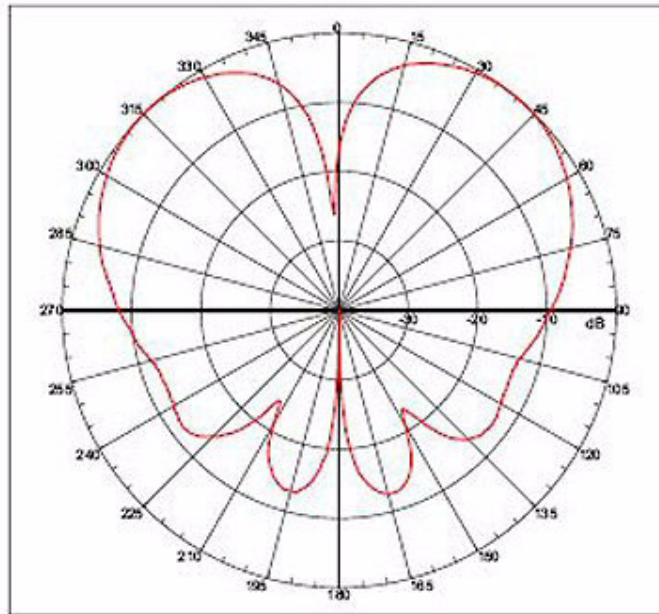
4.9 GHz, E plane



5.5 GHz, E plane

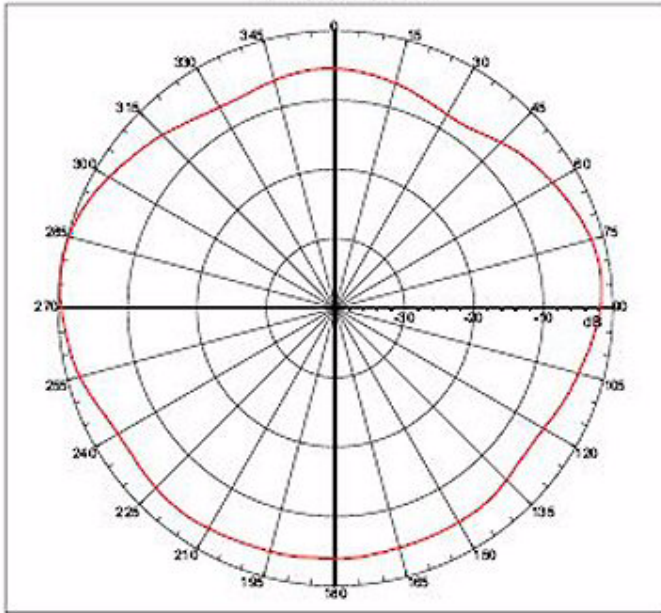


5.99 GHz, E Plane

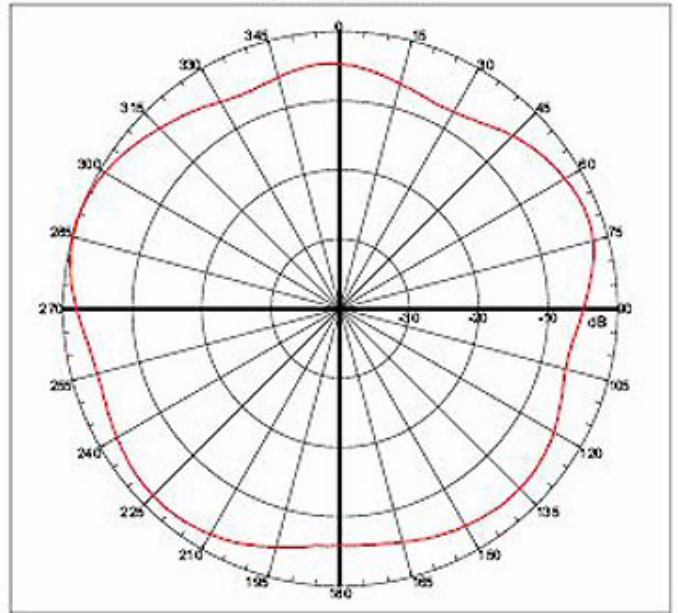


# J8997A Radiation Plots, H Plane 4.9 - 5.99 GHz Band

## 4.9 GHz, H Plane



## 5.5 GHz, H Plane



## 5.99 GHz, H Plane

