

# ARUBA OUTDOOR MIMO ANTENNA ANT-2X2-5614

ANT-2x2-5614 is a two-element 60-degree sector antenna for use in 802.11n MIMO mesh link applications. The antenna integrates two differently polarized elements, and provides coverage of the 4.9 - 5.875 GHz frequency band in a single antenna radome. Due to regulatory restrictions, this antenna is not certified for use in the North American markets. The 5614U or 5614L should be used instead.

## FREQUENCY / MAX GAIN

- 4.9 - 5.875 GHz (14 dBi)

## POLARIZATION

- Dual slant, +/- 45 degrees

## BEAMWIDTH

- E-plane: 14 degrees
- H-plane: 60 degrees

## IMPEDANCE

- 50 ohms

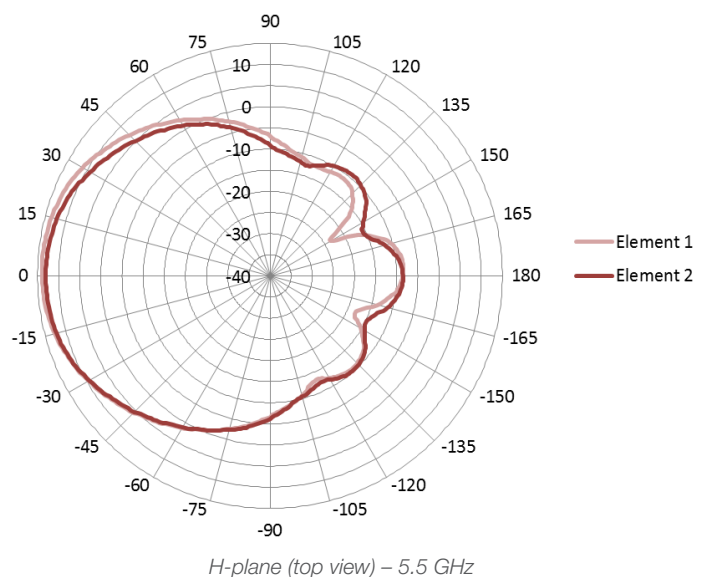
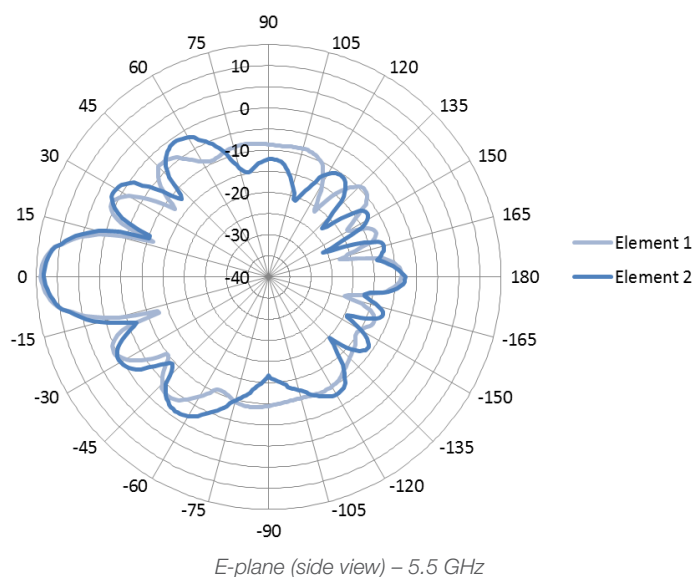
## MAXIMUM INPUT POWER

- 20 watts

## VSWR (MINIMUM PERFORMANCE)

- < 1.8:1

## ANTENNA PATTERNS



## DIMENSIONS

- 270 x 103 x 35 mm (10.63" x 4.06" x 1.38")
- Shipping: 360 x 125 x 50 mm (14.17" x 4.92" x 1.97")

## WEIGHT

- 650 g (1.43 lb)

## CONNECTOR

- N-type female (2x)
- Note: RF cables not included.

## OPERATING / STORAGE TEMP.

- -40° to +70° C

## INSTALLATION HARDWARE

- Kit for wall and pole mounting included. Elevation (vertical) angle is adjustable.





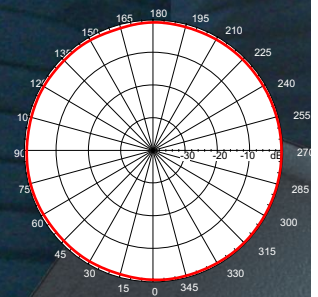
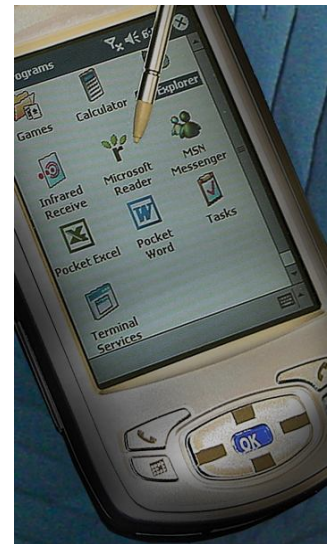
[www.arubanetworks.com](http://www.arubanetworks.com)

1344 Crossman Avenue, Sunnyvale, CA 94089

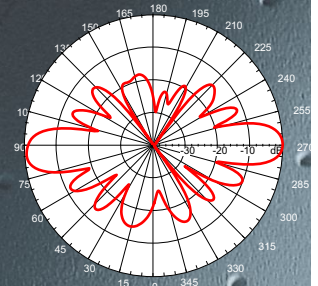
1-866-55-ARUBA | Tel. +1 408.227.4500 | Fax. +1 408.227.4550 | [info@arubanetworks.com](mailto:info@arubanetworks.com)



- *RUGGED WEATHER RESISTANT RADOME*
- *FIXED N MALE CONNECTOR ALLOWS FOR DIRECT TO ACCESS POINT MOUNTING*
- *MOUNTING HARDWARE ALLOWS USER TO POLE MOUNT*



2.45 GHz Omni



2.45 GHz E-Plane

### 2.4-2.5 GHz, 8 dBi, High Gain Omnidirectional Collinear Antenna

Cushcraft's S2406BPNF adds a direct fixed N male connectorized version to our suite of high performance omnidirectional collinear antennas.

The fixed N male connector allows users to mount the antenna directly to any access point or NEMA enclosure that is connectorized with an N female connector. The antenna incorporates all of the performance features, adherence to specification and product consistency that the industry has come to appreciate in Cushcraft antennas. The antenna also comes with a mounting kit providing the user with a pole mount option as well.

Typical applications include outdoor metropolitan mesh network access points as well as more traditional access point system configurations where a rugged high gain 2.4-2.5 GHz 802.11b/g antenna is required. The antenna is also a perfect mate to Cushcraft's S5156WMP wide band 5 GHz, 802.11a antenna.

Call your Cushcraft Sales Representative to place an order or visit us at:

[www.cushcraft.com](http://www.cushcraft.com)

### PRODUCT TECHNICAL SPECIFICATIONS

Frequency (GHz):	2.4-2.5
Gain	8 dBi
E-Plane (3dB beamwidth):	14°
H-Plane (3dB beamwidth):	Omnidirectional
Polarization:	Linear Vertical
Weight lbs:	.45
VSWR:	1.5:1
Mounting Style:	Direct mount to access point Pole Mount
Dimensions (in):	19.5 x .09
Enclosure:	UV- Stable fiberglass
Power (Watts):	50
RF Connectors:	Type "N" (m)

[WWW.CUSHCRAFT.COM](http://WWW.CUSHCRAFT.COM)

# Aruba AP-ANT-85 Antenna

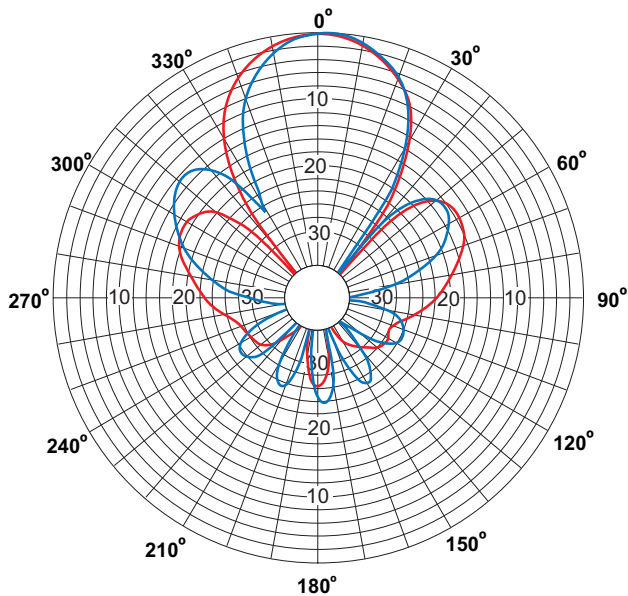
## 2.4Ghz Detachable Antenna Specifications

# 85

### APPLICATION

AP-ANT-85 is a high-gain, directional panel antenna featuring a 30° H-plane beam width, an excellent alternative to a Yagi. The AP-ANT-85 is indoor / outdoor (UV stable and weatherproof) capable, ideally suited for applications such as a long distance, point to point bridging.

 **Elevation Plane**     **Azimuth Plane**



### FREQUENCY / GAIN

2.4Ghz - 2.5Ghz / 15.0dBi

### POLARIZATION

Linear

### ELEMENT TYPE

High-gain, Directional Panel

### IMPEDANCE

50 ohms

### MAXIMUM INPUT POWER

50 watts

### VSWR (MINIMUM PERFORMANCE)

< 1.5:1

### DIMENSIONS

10" x 10" x 1.5"

### HOUSING

UV Stable Composite Plastic

### FLY CABLE LENGTH / CONNECTOR

36" / N-Type Male

### OPERATING / STORAGE TEMP.

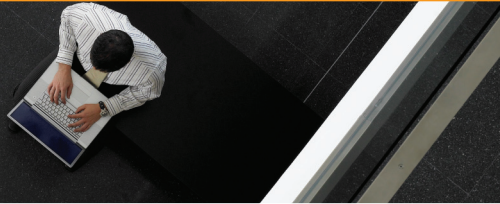
-40° to +70° C

### INSTALLATION HARDWARE

May be wall or mast mounted, articulating mounting hardware included.



1322 Crossman Avenue	Sunnyvale, California 94089
(tel) 408 227 4500	(fax) 408 227 4550
info@arubanetworks.com	www.arubanetworks.com



## ARUBA AP-ANT-86 OUTDOOR 5 GHZ OMNI-DIRECTIONAL ANTENNA

The AP-ANT-86 is a high-gain omni-directional outdoor cylindrical antenna, designed for general purpose outdoor coverage over a wide area in the 5 GHz band for applications such as outdoor Mesh topologies, storage, shipping or rail yards, parks and warehouses. The AP-ANT-86 is enclosed in a weather resistant UV-stable 19.5" X 1" housing that can be mast or pole mounted using its supplied mount kit.



### FREQUENCY / GAIN

- 5.150 GHz - 5.875 GHz / 9.0 dBi

### POLARIZATION

- Omni-directional, Linear Vertical

### BEAMWIDTH

- E-Plane 8 degrees

### IMPEDANCE

- 50 ohms

### MAXIMUM INPUT POWER

- 10 watts

### VSWR (MINIMUM PERFORMANCE)

- 2.0:1

### DIMENSIONS (INCHES/CENTIMETERS)

- 19.5" (49.53 cm) x 1" (2.54 cm)

### HOUSING

- UV-stable Polycarbonate

### FLY CABLE LENGTH / CONNECTOR

- 36" / N-Type Male

### OPERATING TEMPERATURE

- -30° C to +65° C / -22° F to +149° F

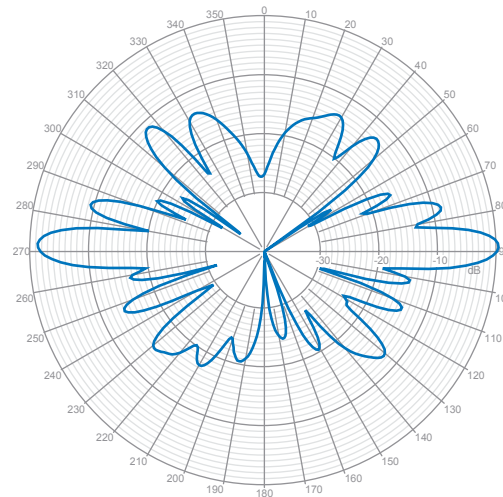
### WIND SPEED SURVIVAL (MPH/KPH)

- N/A

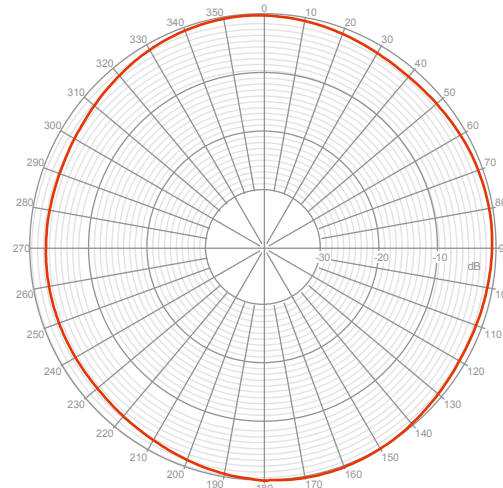
### INSTALLATION HARDWARE

- 1" to 2 1/8" mast mounting kit included

ELEVATION PLANE - 5150MHZ

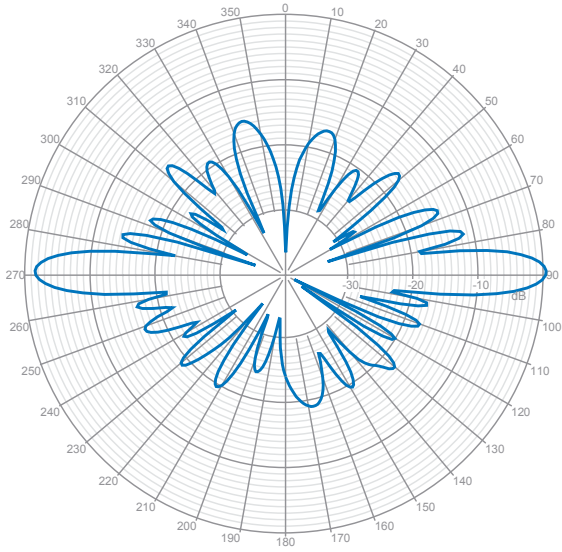


AZIMUTH PLANE - 5150MHZ

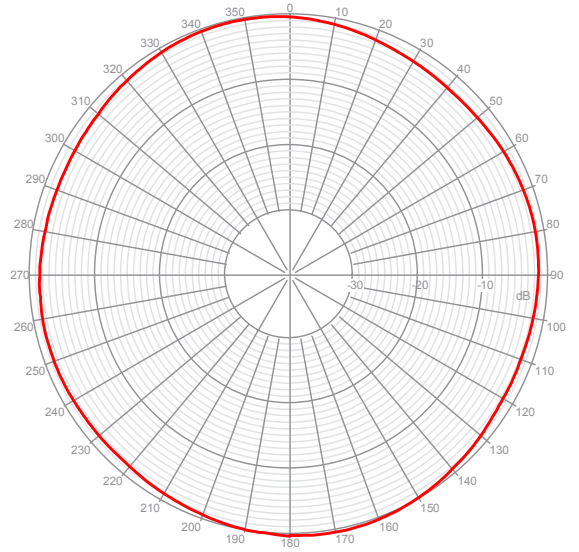


# ARUBA AP-ANT-86 OUTDOOR ANTENNA

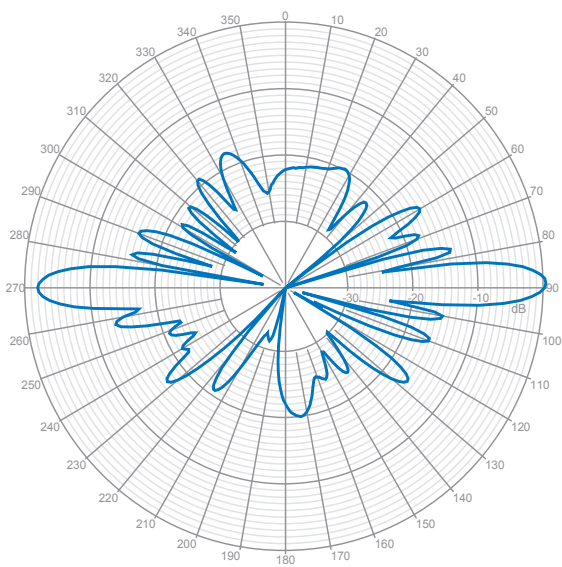
ELEVATION PLANE - 5500MHZ



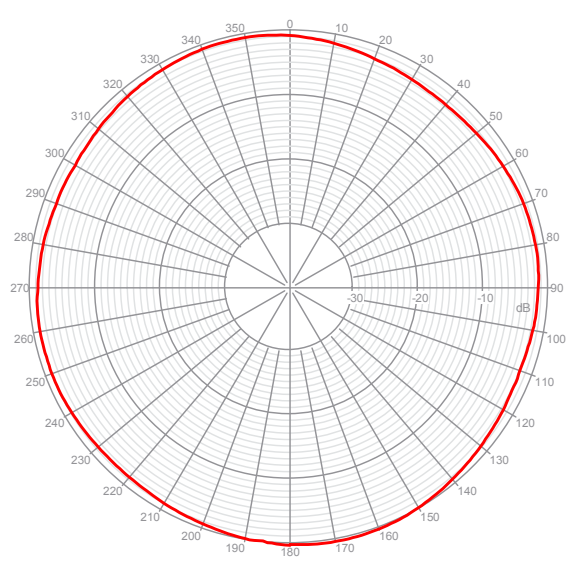
AZIMUTH PLANE - 5500MHZ



ELEVATION PLANE - 5870MHZ



AZIMUTH PLANE - 5870MHZ



[WWW.ARUBANETWORKS.COM](http://WWW.ARUBANETWORKS.COM)

1322 Crossman Avenue, Sunnyvale, CA 94089 | Tel. +1 408.227.4500 | Fax. +1 408.227.4550