

# DATASHEET

## 2.4 GHz Base Station Antenna Omnidirectional Collinear Antenna A2404NJ-OC-B / A2406NJ-OC-B / A2408NJ-OC-B

The A240xNJ-OC-B omnidirectional Base Station Antennas are designed to provide maximum performance and reliability under the toughest weather conditions. These antennas design utilizes a linear array, encapsulated in a heavy-duty fiberglass radome with thick-walled mounting base for reliable long term use.



### Features

- ◆ UV-stable, black fiberglass radome
  - ◆ Black chrome plated mounting base
  - ◆ DC Grounded design for superior ESD protection
  - ◆ Fully sealed IP67 design
  - ◆ Wind rated 125 mph
-

## Specifications


Specification	Description
Frequency Range	2.4 to 2.5 GHz
Pattern	Omnidirectional
VWSR	<1.5:1
Nominal Impedance	50 Ohm
Max Power	40 W
Connector	N-Female
Operating Temperature	-40° to 185°F (-40° to +85°C)
Ingress Protection	IP67
Rated Wind Velocity	125 mph (210 kph)

Model #	Gain	Elevation Half Power Beamwidth
A2404NJ-OC-B	4 dBi	42°
A2406NJ-OC-B	6 dBi	28°
A2408NJ-OC-B	8 dBi	15°

Model #	Dimensions	Weight
A2404NJ-OC-B	0.825 OD x 10.1 L in (2.09 x 25.6 cm)	0.33 lbs (151 g)
A2406NJ-OC-B	0.825 OD x 15.0 L in (2.09 x 38.1 cm)	0.38 lbs (176 g)
A2408NJ-OC-B	0.825 OD x 19.4 L in (2.09 x 49.3 cm)	0.45 lbs (203 g)

Model #	Bending Moment @ Rated Wind	Lateral Thrust @ Rated Wind	Equivalent Flat Plate Area
A2404NJ-OC-B	0.97 lbf-ft	2.31 lbf	0.03 ft <sup>3</sup>
A2406NJ-OC-B	2.13 lbf-ft	3.41 lbf	0.04 ft <sup>3</sup>
A2408NJ-OC-B	4.24 lbf-ft	5.25 lbf	0.05 ft <sup>3</sup>

## Mounting Hardware (included)

Part #	Description	Works with	Illustration
RLX-MBAM1009	Aluminum L-bracket for mounting to parallel or perpendicular pipe or mast with 1.5 to 2.4" OD. Has 0.625" diameter hole for mounting connectors or stud mounts.	A2404NJ-OC-B A2406NJ-OC-B A2408NJ-OC-B	



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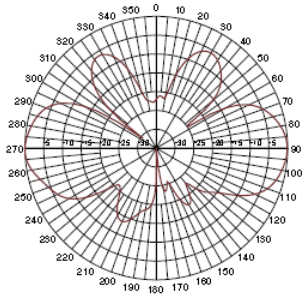
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# Radiation Patterns

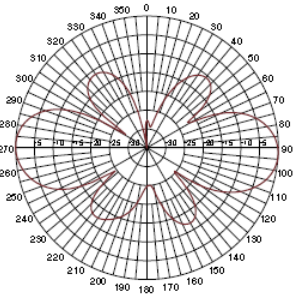
## A2404NJ-OC-B

Elevation Pattern at 2450MHz



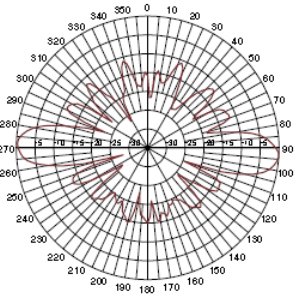
## A2406NJ-OC-B

Elevation Pattern at 2450MHz

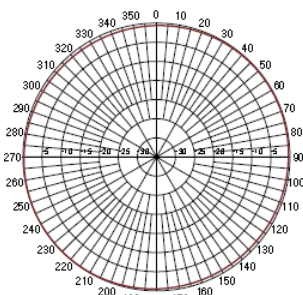


## A2408NJ-OC-B

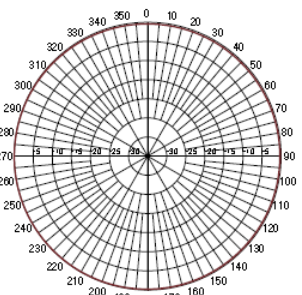
Elevation Pattern at 2450MHz



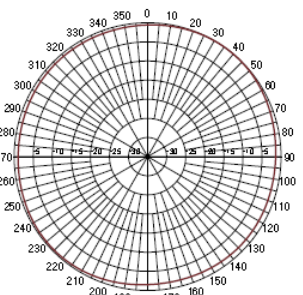
Azimuth Pattern at 2450MHz



Azimuth Pattern at 2450MHz



Azimuth Pattern at 2450MHz



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## Ordering Information

To order this product, please use the following:

## 2.4 GHz Base Station Antenna

A2404NJ-OC-B  
A2406NJ-OC-B  
A2408NJ-OC-B

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