

# ANT-WDB-ANM-0306 Series

2.4/5 GHz, dual-band omni-directional antennas: 3/6 dBi, N-type (male)



## Features and Benefits

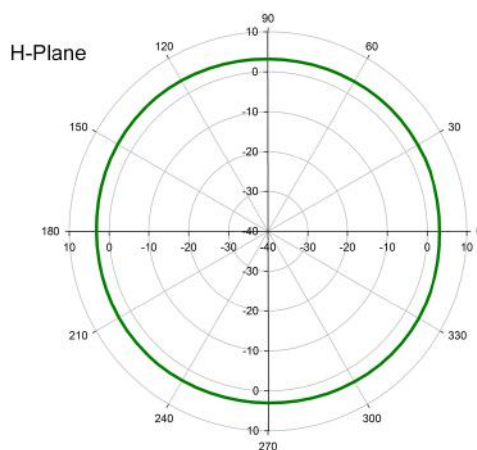
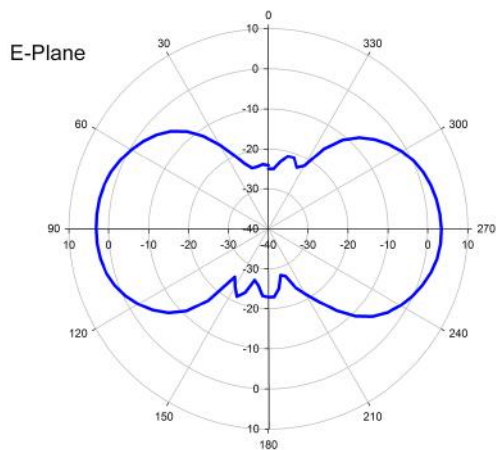
- Outdoor waterproof N-type connector
- Lightweight
- Compact form factor
- Housing provides IP67 protection
- -40 to 75°C operating temperature range

## Introduction

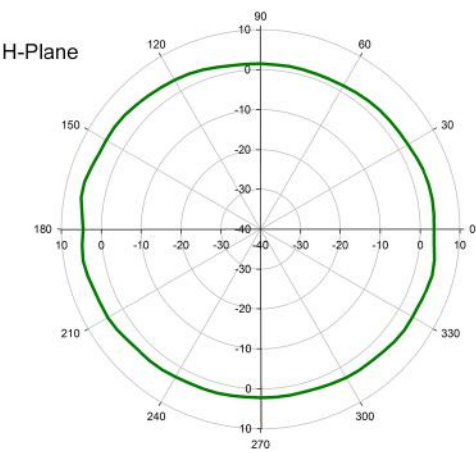
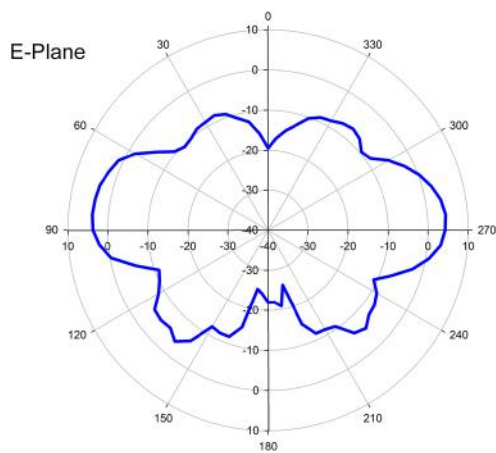
The ANT-WDB-ANM-0306 is an omni-directional lightweight compact dual-band high-gain antenna that comes with waterproof N-type connectors. The IP67-rated housing, pole-mounting support and a wide operating temperature range of -40 to 75°C make it suitable for outdoor use.

## Field Patterns

Frequency: 2.4 GHz



Frequency: 5 GHz



Specifications

|                         |                              |
|-------------------------|------------------------------|
| Antenna Characteristics |                              |
| Frequency               | 2.4 to 2.5, 4.9 to 5.825 GHz |
| Antenna Type            | Omni-directional             |
| Typical Antenna Gain    | 3.5/6 dBi                    |
| Connector               | N-type (male)                |
| Impedance               | 50 ohms                      |
| Polarization            | Linear                       |
| HPBW/Horizontal         | 360°                         |
| V.S.W.R.                | 2:1 max.                     |
| Power Handling          | 1 W max.                     |

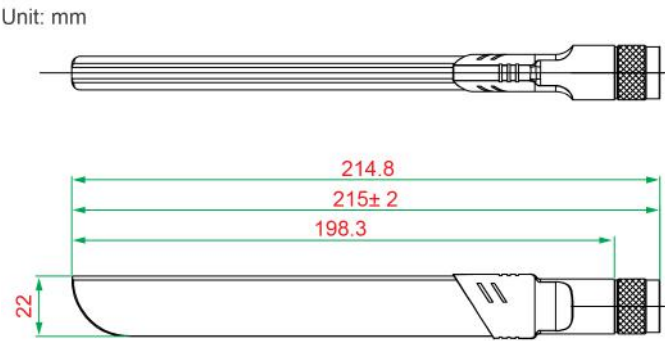
|                          |                                                       |
|--------------------------|-------------------------------------------------------|
| Physical Characteristics |                                                       |
| IP Rating                | IP67                                                  |
| Dimensions               | Diameter: 22 mm (0.87 in)<br>Length: 215 mm (8.46 in) |
| Weight                   | 68.9 g (0.15 lb)                                      |
| Radome Color             | White                                                 |
| Radome Material          | PC-9330                                               |
| Installation             | Straight mount                                        |

|                                        |                                 |
|----------------------------------------|---------------------------------|
| Environmental Limits                   |                                 |
| Operating Temperature                  | -40 to 75°C (-40 to 167°F)      |
| Storage Temperature (package included) | -40 to 75°C (-40 to 167°F)      |
| Ambient Relative Humidity              | 5 to 95% (30°C, non-condensing) |

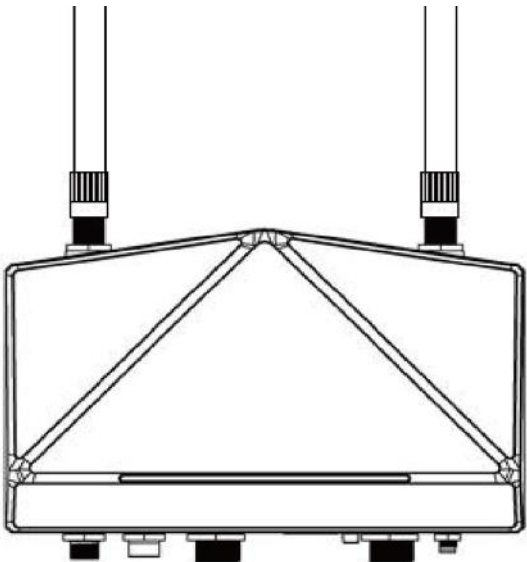
|                 |                                                                      |
|-----------------|----------------------------------------------------------------------|
| Warranty        |                                                                      |
| Warranty Period | 1 year                                                               |
| Details         | See <a href="http://www.moxa.com/warranty">www.moxa.com/warranty</a> |

# Dimensions and Mounting

## Dimensions



## Mounting



## Ordering Information

| Model Name       | Frequency                    | Antenna Type     | Antenna Gain | Connector     |
|------------------|------------------------------|------------------|--------------|---------------|
| ANT-WDB-ANM-0306 | 2.4 to 2.5, 4.9 to 5.825 GHz | Omni-directional | 3.5/6 dBi    | N-type (male) |

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