

# ANT-WSB-ANF-09 Series

Omni-directional antennas: 9 dBi at 2.4 GHz



### Features and Benefits

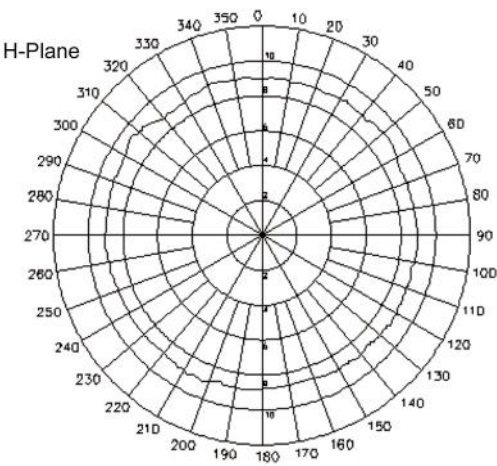
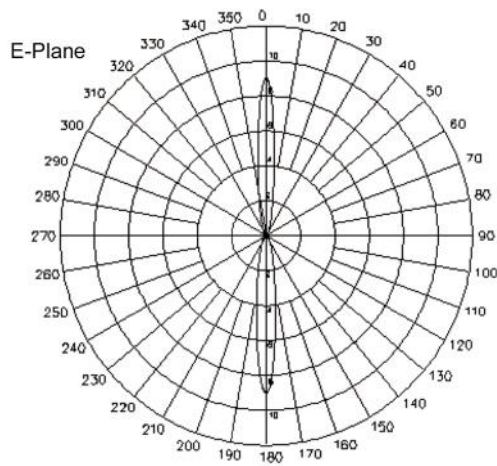
- High-gain antenna to enhance performance
- Waterproof N-type connector
- Lightweight
- Compact form factor
- Pole-mounting support
- Housing provides IP65 protection
- -40 to 80°C operating temperature range

### Introduction

The ANT-WSB-ANF-09 is an omni-directional lightweight compact dual-band high-gain indoor antenna with a SMA (male) connector and magnetic mount. The antenna provides a gain of 9 dBi and is designed to operate in temperatures from -40 to 80°C.

### Field Patterns

Frequency: 2.4 GHz



### Specifications

#### Antenna Characteristics

|                      |                  |
|----------------------|------------------|
| Frequency            | 2.4 to 2.5 GHz   |
| Antenna Type         | Omni-directional |
| Typical Antenna Gain | 9 dBi            |
| Connector            | N-type (female)  |
| Impedance            | 50 ohms          |

|                 |             |
|-----------------|-------------|
| Polarization    | Linear      |
| HPBW/Horizontal | 360°        |
| HPBW/Vertical   | 10°         |
| V.S.W.R.        | 1:1.3 max.  |
| Power Handling  | 15 W (max.) |

#### Physical Characteristics

|                 |                   |
|-----------------|-------------------|
| Weight          | 430 g (0.95 lb)   |
| Length          | 420 mm (16.55 in) |
| Diameter        | 35 mm (1.38 in)   |
| IP Rating       | IP65              |
| Radome Color    | White             |
| Radome Material | Glass fiber       |
| Installation    | Pole mount        |

#### Environmental Limits

|                                        |                                 |
|----------------------------------------|---------------------------------|
| Operating Temperature                  | -40 to 80°C (-40 to 176°F)      |
| Storage Temperature (package included) | -40 to 80°C (-40 to 176°F)      |
| Ambient Relative Humidity              | 5 to 95% (30°C, non-condensing) |

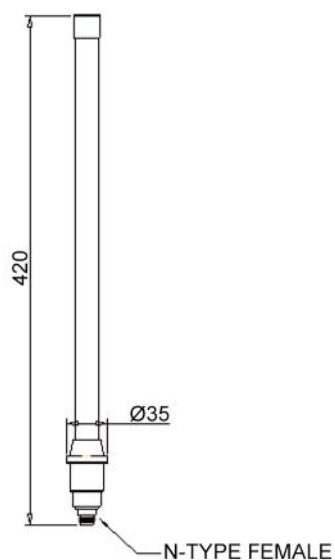
#### Warranty

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

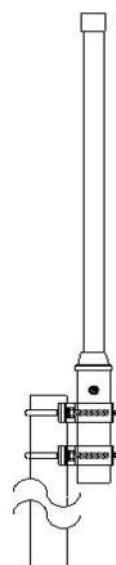
## Dimensions and Mounting

### Dimensions

Unit: mm



### Mounting



## Ordering Information

| Model Name     | Frequency      | Antenna Type     | Antenna Gain | Connector       |
|----------------|----------------|------------------|--------------|-----------------|
| ANT-WSB-ANF-09 | 2.4 to 2.5 GHz | Omni-directional | 9 dBi        | N-type (female) |

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