

# ANT-WDB-ANM-0502 Series

Dual-band omni-directional antennas: 5 dBi at 2.4 GHz or 2 dBi at 5 GHz



## Features and Benefits

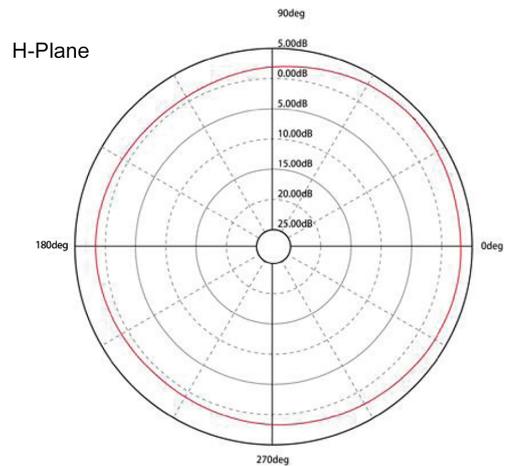
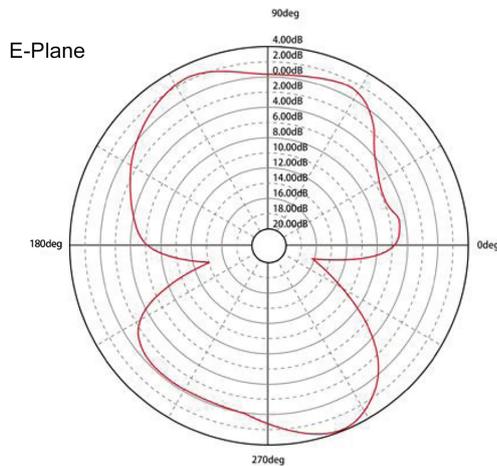
- High-gain antenna to enhance performance
- Waterproof N-type connector
- Lightweight
- Housing provides IP67 protection
- -40 to 80°C operating temperature range

## Introduction

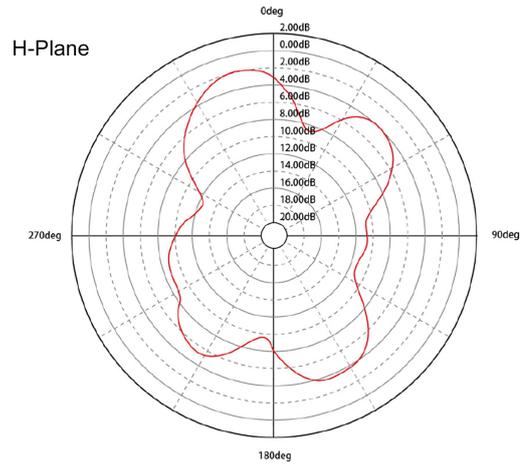
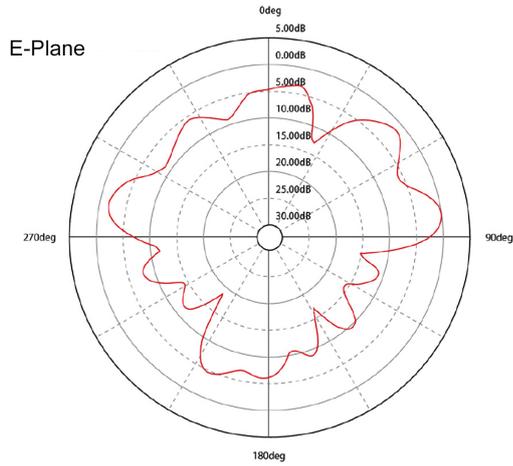
The ANT-WDB-ANM-0502 is an omni-directional lightweight compact dual-band high-gain antenna that comes with waterproof N-type connectors. The IP67-rated housing, pole-mounting support and a wide operating temperature range of -40 to 80°C make it suitable for outdoor use.

## Field Patterns

Frequency: 2.4 GHz



## Frequency: 5 GHz



## Specifications

### Antenna Characteristics

Frequency	2.4 to 2.5, 5.1 to 5.9 GHz
Antenna Type	Omni-directional
Typical Antenna Gain	5/2 dBi
Connector	N-type (male)
Impedance	50 ohms
Polarization	Linear
HPBW/Horizontal	360°
HPBW/Vertical	65°
V.S.W.R.	1:2 max.
Power Handling	2 W (max.)

### Physical Characteristics

Weight	72 g (0.16 lb)
Length	220 mm (8.66 in)
Diameter	23 mm (0.91 in)
IP Rating	IP67
Radome Color	Black
Radome Material	NY66
Installation	Straight 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

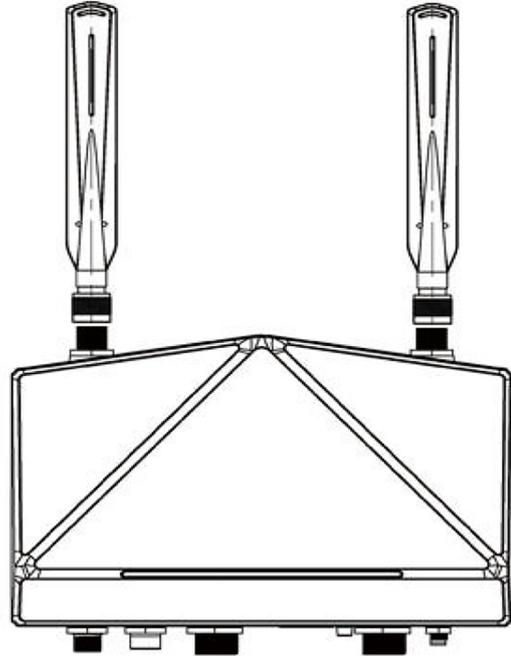
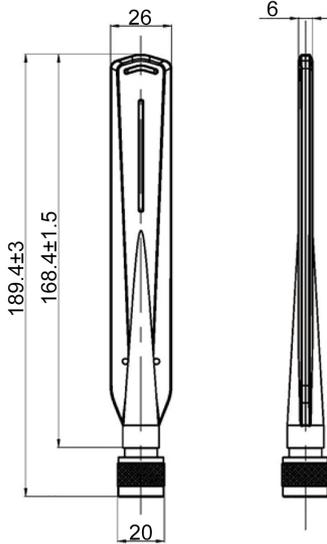
See [www.moxa.com/warranty](http://www.moxa.com/warranty)

## Dimensions and Mounting

### Dimensions

### Mounting

Unit: mm



## Ordering Information

Model Name	Frequency	Antenna Type	Antenna Gain	Connector
ANT-WDB-ANM-0502	2.4 to 2.5, 5.1 to 5.9 GHz	Omni-directional	5/2 dBi	N-type (male)

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