

# ANT-WDB-ANM-0502

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



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

## Specifications

### Antenna Characteristics

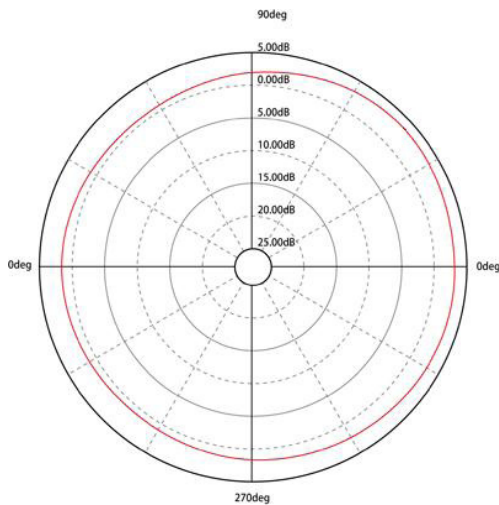
**Frequency:** 2.4 to 2.5 or 5.1 to 5.9 GHz  
**Antenna Type:** Omni-directional  
**Typical Antenna Gain:** 5/2 dBi  
**Connector:** N-type (male)  
**Impedance:** 50±5 ohms  
**Polarization:** Linear  
**HPBW/horizontal:** 360°  
**HPBW/vertical:** 65°  
**V.S.W.R.:** 1:2.0 max.  
**Power Handling:** 2 W max.

### Physical Characteristics

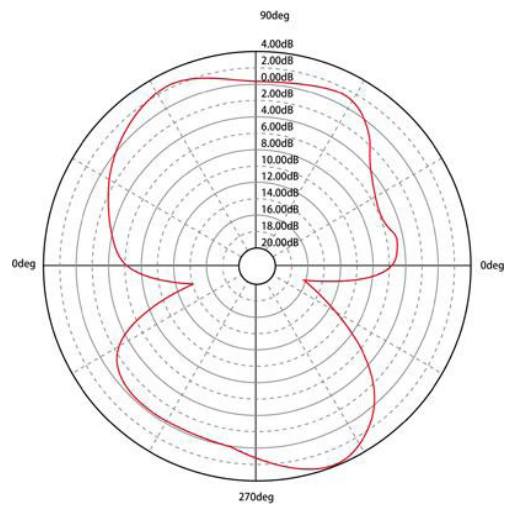
**Weight:** 72 g  
**Dimensions:**  
 Diameter: 23 mm  
 Length: 220 mm  
**IP Rating:** IP67  
**Radome Color:** Black  
**Radome Material:** NY66  
**Environmental Limits**  
**Operating Temperature:** -40 to 80°C (-40 to 176°F)  
**Storage Temperature:** -40 to 80°C (-40 to 176°F)  
**Ambient Relative Humidity:** 5 to 100%

## Field Patterns

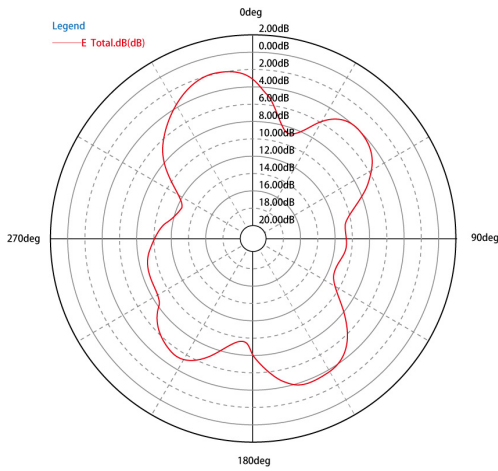
### H-Plane (for 2.4 GHz)



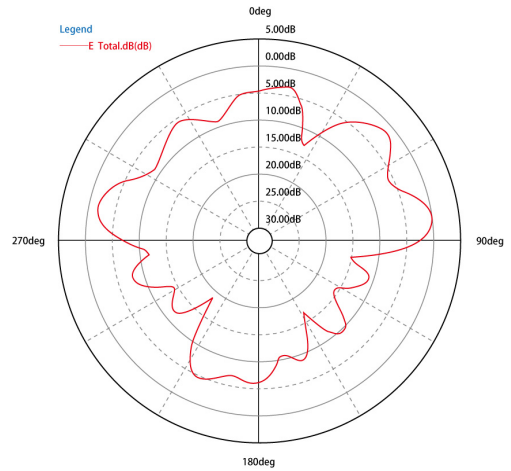
### E-Plane (for 2.4 GHz)



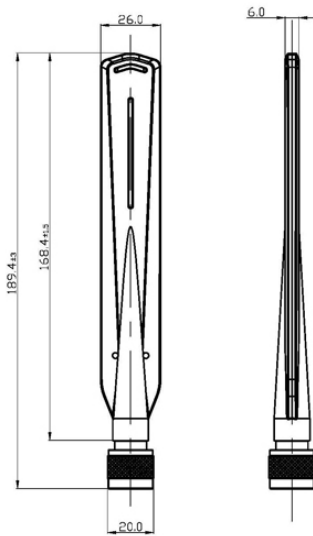
### H-Plane (for 5.8 GHz)



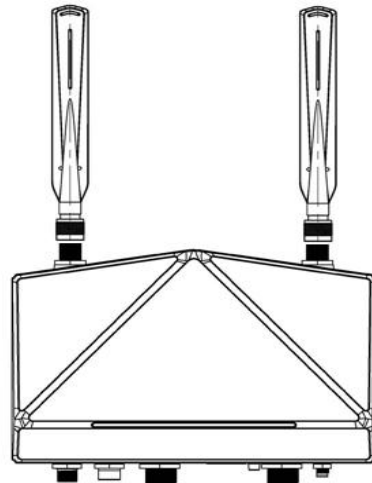
### E-Plane (for 5.8 GHz)



### Dimensions



### Mounting



## : Ordering Information

### Available Models

**ANT-WDB-ANM-0502:** 2.4/5 GHz, dual-band omni-directional antenna, 5/2 dBi, N-type (male)

### Can be used with the following products

**AWK Series:** AWK-4121, AWK-6222