

# ANT-WDB-ANM-0407

*Dual-band omni-directional antenna: 4 dBi at 2.4 GHz or 7 dBi at 5 GHz*



- > 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

## Specifications

### Antenna Characteristics

**Frequency:** 2.4 to 2.5 or 5.1 to 5.9 GHz

**Antenna Type:** Omni-directional

**Typical Antenna Gain:** 4/7 dBi

**Connector:** N-type (female)

**Impedance:** 50±5 ohms

**Polarization:** Linear

**HPBW/horizontal:** 360°

**HPBW/vertical:** 8/10°

**V.S.W.R.:** 1:1.5 max.

**Power Handling:** 10 W max.

### Physical Characteristics

**Weight:** 115 g

**Dimensions:**

Diameter: 23 mm

Length: 220 mm

**IP Rating:** IP65

**Radome Color:** White

**Radome Material:** Glass fiber

### Environmental Limits

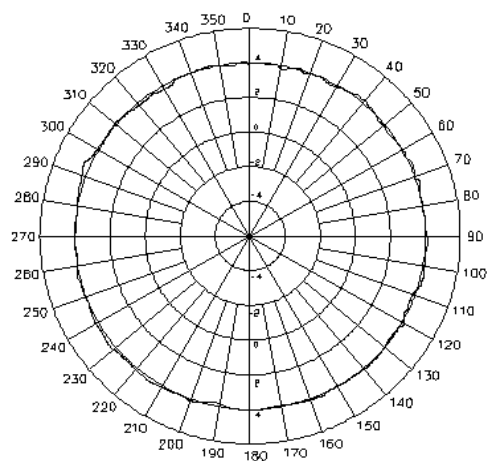
**Operating Temperature:** -40 to 80°C (-40 to 176°F)

**Storage Temperature:** -40 to 80°C (-40 to 176°F)

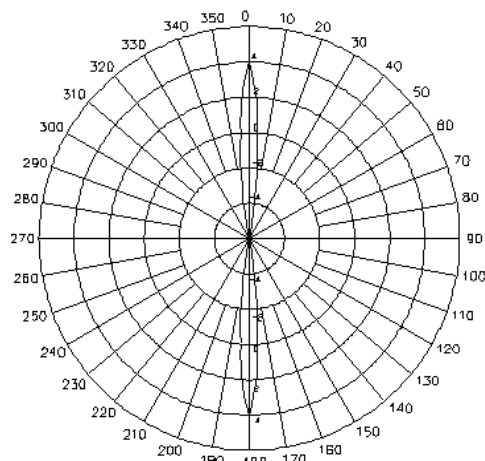
**Ambient Relative Humidity:** 5 to 95% (30°C, non-condensing)

## Field Patterns

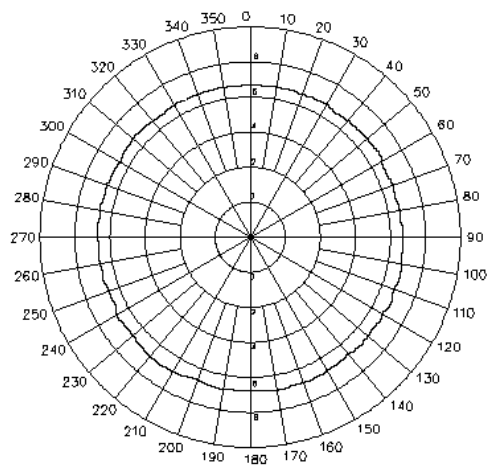
### H-Plane for 2.4 GHz



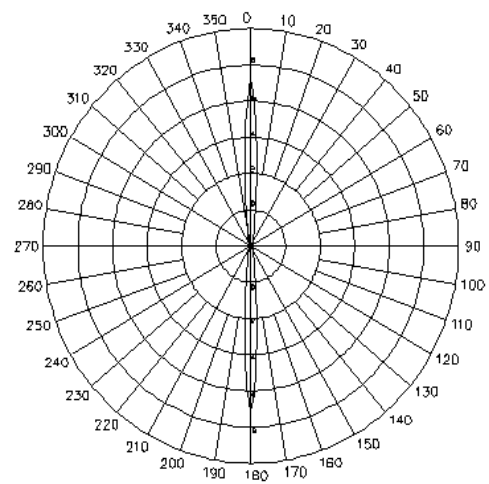
### E-Plane for 2.4 GHz



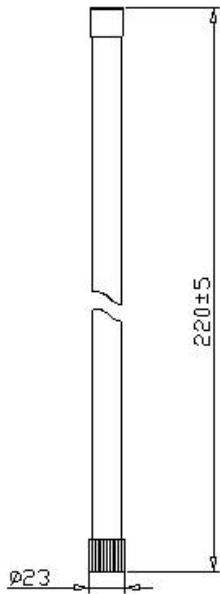
## H-Plane for 5 GHz



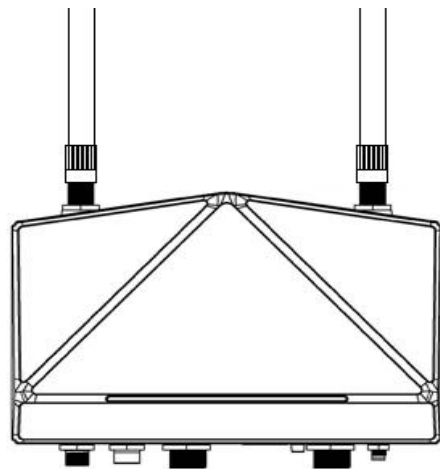
## E-Plane for 5 GHz



## Dimensions



## Mounting



## : Ordering Information

### Available Models

**ANT-WDB-ANM-0407:** 2.4/5 GHz, dual-band omni-directional antenna, 4/7 dBi, N-type (male)

### Can be used with the following products

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