

# Vertically Polarised Omni-Directional Antenna

2.4 - 2.5 GHz

Product code: OMNI-A0003



This high gain omni directional antenna is developed for the 2.4 - 2.5 GHz band ISM applications and is ideal for hotspot Wireless LAN installations (the patterns has down tilt which makes it ideal for this application).

The antenna is DC grounded providing inherent lightning and static build-up protection. OMNI-A0003-01 is supplied with a pole mounting bracket which can be attached to the antenna using the four holes on the antenna base flange.

## Features:

- 2.4 - 2.5 GHz frequency
- Pole mount or roof mount
- Waterproof
- Easy installation

## Application areas:

- Hotspot installations.

Specifications:

**Product Code:**

OMNI-A0003	Without mounting bracket
OMNI-A0003-01	With pole mounting bracket

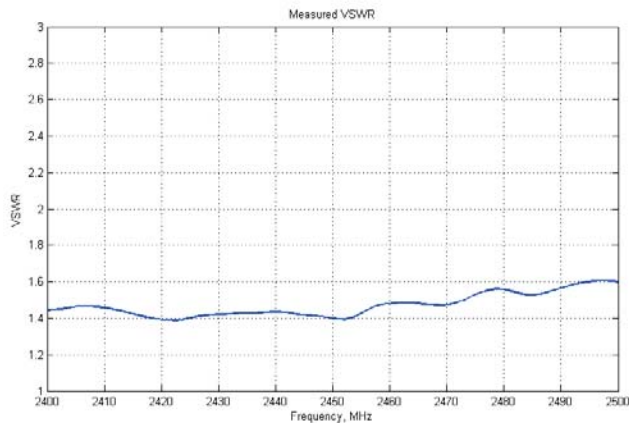
**Electrical:**

Gain (max)	7.5 dBi ( $\pm 0.5$ db)
Gain (min. over band)	6.5 dBi ( $\pm 0.5$ db)
Input Frequency	2.4 - 2.5 GHz
VSWR	< 2.0:1
E-plane 3 dB beamwidth	20° ( $\pm 2^\circ$ )
Feed power handling	10 W
Nominal input impedance	50 Ohm
Connector	N(f)
Polarisation	Vertical

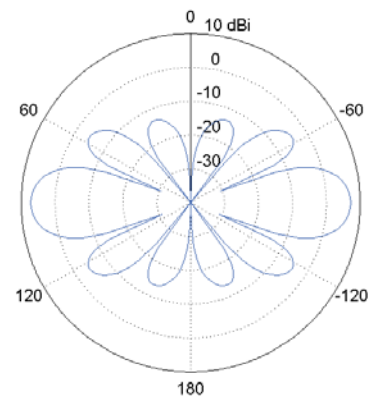
**Mechanical:**

	<b>OMNI-A0003</b>	<b>OMNI-A0003-01</b>
Dimensions (l x d)	560 mm X 74 mm	660 mm x 100 mm
Weight	350 g	920 g

Measured VSWR and Simulated pattern:



VSWR



Simulated E-Plane pattern

Specifications subject to change without notice