



## S4906WB

### Omnidirectional Antenna 4900-5875 MHz

The wide band S4906WB is one in a series of omni antennas that have been optimized for direct chassis mount to outdoor radios or NEMA enclosures. These antennas come standard with an integrated N male or female connector directly mounted to the base of the antenna. The rugged directly mounted connector is perfect for outdoor MESH applications that often require the antenna to be directly mounted to the radio or enclosure. The antenna is enclosed in a UV stable, water-resistant housing and the antenna will provide years of trouble-free service. The antenna series includes antennas of various gains all with integrated N male or female connectors. There is a mast mount hardware kit available for applications that require the antenna to be remotely mounted from the radio enclosure.

#### FEATURES AND BENEFITS

- Vertically polarized omnidirectional
- Rugged, lightweight, and water resistant
- Direct to radio mounting
- 5 GHz broadband WLAN

#### APPLICATIONS

- College campuses
- Airports
- Hospitals
- Transportation centers
- WiMAX

#### ELECTRICAL SPECIFICATION

Model Name	S4906WB
Operating Frequency (MHz)	4900-5875
VSWR - Max	2.0:1
Gain (dBi)	8.0
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	10
Polarization	Vertical linear
Vertical Plane 3 dB Beamwidth	16°
Horizontal Plane 3 dB Beamwidth	Omnidirectional

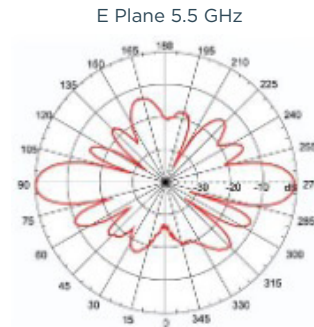
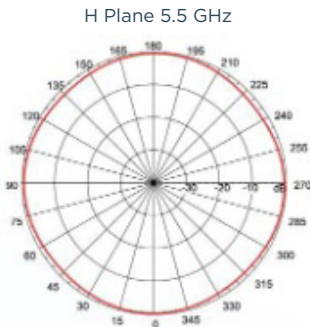
## MECHANICAL SPECIFICATION

Dimensions - mm (inches)	292.1 x 25.4 (11.5 x 1.0)
Weight - kg (lbs.)	0.17 (0.37)
Radome Material	White UV polycarbonate
Connector	Type N male female
Mount Style	Direct mount (upright or inverted)

## ENVIRONMENTAL SPECIFICATION

Operating Temperature - °C (°F)	-30 to +65°C (-22 to +149°F)
Storage Temperature - °C (°F)	-40 to +80°C (-40 to +176°F)
Wind Operational - km/hr (mph)	161(100)
Wind Survival - km/hr (mph)	219 (136)
Ingress Protection Rating	IP54
Material Substance Compliance	RoHS

## RADIATION PATTERNS



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