



Mesh Series™ Vertically Polarized Omni

5150 to 5850 MHz Operation

Features

- 6 dBi Antenna Gain in a Slimline Package
- Type N Male Integrated Connector
- Rugged, Lightweight and Waterproof

Applications

- 5.1 to 5.8 GHz Mesh Applications
- 802.11a Wireless Systems
- Point to Multi-point Systems
- Base Station Antennas
- Wireless Broadband Systems
- WiFi Access Points

Description

The 5GHz Wide Band Mesh Series Omni Directional antenna offered by Pacific Wireless is constructed of White color UV-stable fiberglass and stainless steel base. They have Type N Male connectors for direct connection to wireless enclosures. The horizontal pattern is a full 360 degrees with gain flatness better than 1dB. Because of it's slimline design and low wind loading characteristics, multiple antennas can be used on a single enclosure, enabling multi antenna diversity and MIMO technologies used in many modern mesh networking systems.

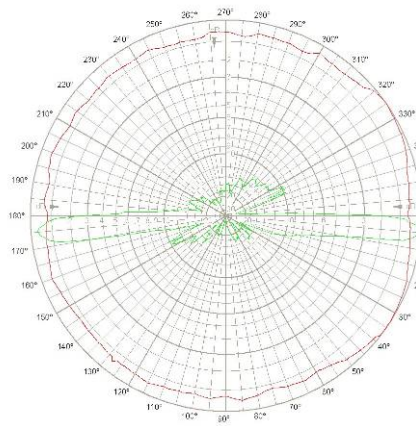
Specifications

Parameter	Min	Typ	Max	Units
Frequency Range	5150		5850	MHz
Gain		6		dBi
Horizontal Beamwidth		360		deg
Vertical Beam Width		8.5		deg
VSWR		1.5:1		
Impedance		50		OHM
Input Power			100	W
Operating Temperature	-40		+70	Deg C
Rated Wind Velocity	125 (56)			Mph (M/sec)
Dimensions	19 x 0.6 (483 x 15)			In (mm)
Weight	5 (0.14)			oz(kg)
Lightning Protection	DC Ground			



*Typical
Application*

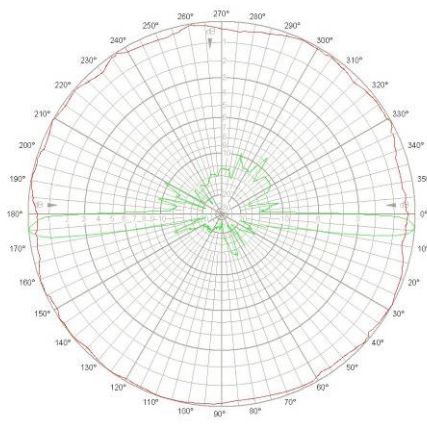
Antenna Patterns at 5GHz



5150MHz

--- E Plane

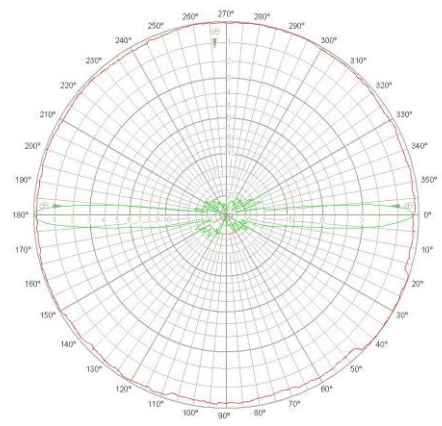
--- H Plane



5470MHz

--- E Plane

--- H Plane



5850MHz

--- E Plane

--- H Plane

Wind Loading

100MPH	1.9 Lbs
125MPH	3 Lbs

Suggested Accessory



New N Female extended
Bulkhead to SMA Female
adapter for mounting a
Mesh Omni in an
enclosure
AD-NFB-SMAF

Notes:

- All shipments F.O.B. Pacific Wireless Bluffdale, UT 84065
- All antennas carry a 2 Year Warranty

System Ordering:

OD5WM-6 6dBi 5150-5850Mhz Wideband Omnidirectional Antenna

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