

Mesh Series™ Vertically Polarized Omni Antennas

2.4GHz to 5.85GHz

Features

- Mesh Networking Vertically Polarized Omnidirectionals
- Various Gains Available: 5dBi to 12dBi
- Various Frequencies Available: 2.4GHz to 5.8GHz, also Tri-Band Model
- Type N Male Integrated Connector
- Rugged, Lightweight and Waterproof

Applications

- Mesh Networking Applications
- 2 to 6 GHz wireless applications
- Point to Multi-point Systems
- Base Station Antennas
- WiFi Access Points
- Wimax Base Stations



Description

The Mesh Series™ Omni Directional antenna systems offered by Pacific Wireless are designed with Mesh Networking in mind. With their waterproof N Male connector they can be easily mounted to an enclosure like the Pacific Wireless Die Cast Enclosure to give total wireless coverage. Various gains and frequencies are available. They are constructed of UV resistant materials and are waterproof for a long service life.

Specifications

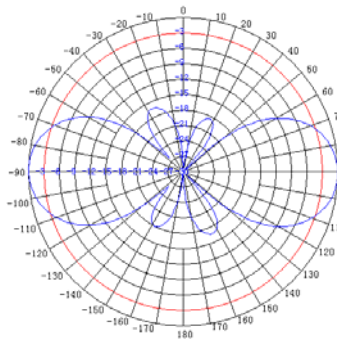
Parameter	Min	Typ	Max	Units
VSWR		1.5:1		
Impedance		50		OHM
Input Power			10	W
Rated Wind Velocity			125 (56)	mph (m/sec)
Operating Temperature	-40		+70	Deg C

Typical Application
PAW-DCE with Mesh Omni

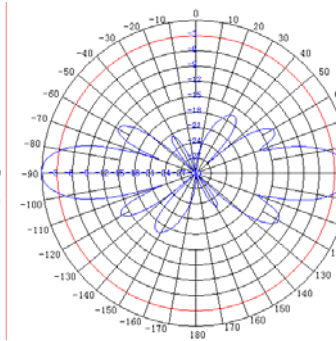


Model	Frequency (MHz)	Gain	Vert BW	Weight	Dim (L x dia)
OD24M-5	2400-2485	5dBi	25 deg	0.7 lbs (0.3kg)	14x0.6" (355x15mm)
OD24M-7	2400-2485	7dBi	18 deg	0.9 lbs (0.4kg)	21x0.6" (540x15mm)
OD24M-9	2400-2485	9dBi	14 deg	1.1 Lbs (0.5kg)	27x0.6" (690x15mm)
OD24M-12	2400-2485	12dBi	7 deg	1.4 Lbs (0.6kg)	48x0.6" (1220x15mm)
OD35M-10	3400-3600	10dBi	14 deg	1.1 Lbs (0.5kg)	27x0.6" (690x15mm)
OD35M-12	3400-3600	12dBi	7 deg	1.4 Lbs (0.6kg)	48x0.6" (1220x15mm)
OD58M-12	5400-5850	12dBi	7 deg	1.1 Lbs (0.5kg)	21.25x0.6" (540x15mm)
RD2458-5-NM	2400-2485, 5150-5350, 5725-5850	2dBi@2.4 5dBi@5.8	120 deg	1.6oz (45.4g)	7.6x0.5" (193 x 12.7mm)

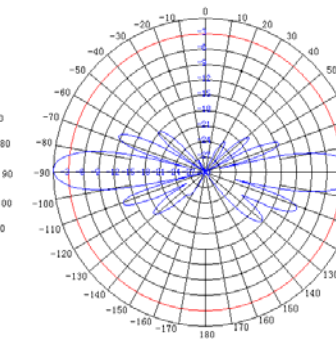
Antenna Patterns



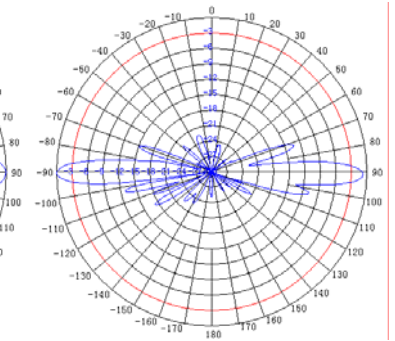
OD24M-5 E-Plane



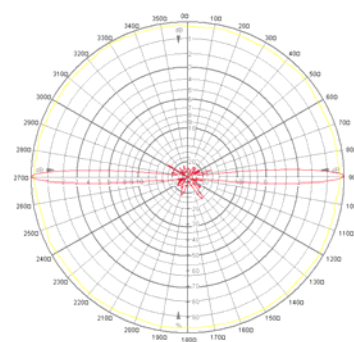
OD24M-7 E-Plane



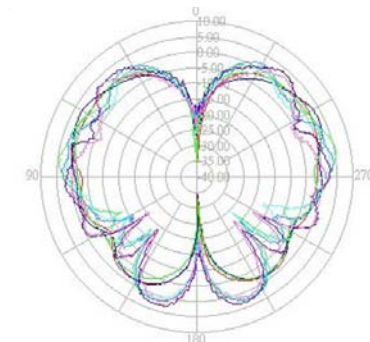
OD24M-9 E-Plane



OD24M-12 E-Plane



OD58M-12 E-Plane



RD2458-5-NM E-Plane

Notes:

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

Suggested Accessory



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

System Ordering: OD□□M-□

Frequency

24 = 2400 to 2485MHz
35 = 3400 to 3600 MHz
58 = 5400 to 5858 MHz

Antenna Gain

5 = 5dBi
7 = 7dBi
9 = 9dBi
10 = 10dBi
12 = 12dBi

* RD2458-5-NM 5dBi 2400,5300,5800MHz Tri Band Rubber Duck

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