





"PT" pigtail cable option for all models

Mobile Mark's ECO Omni antennas are designed for all new data & broadband systems, including WiFi, 802.11 & WiMAX systems. Using the latest PCB technology, these antennas improve high-speed broadband system performance in an economical package.

The ECO Series are free space antennas; no ground plane is required. Mounting hardware is available for a variety of uses. Standard hardware includes pole/wall mount.

The antenna element is enclosed in an tough white fiber-glass radome. The low profile radome is only 0.63 inches (1.6 cm) diameter, and 0.9 in (2.3 cm) at the base. The antenna terminates with an integrated N-female. A "PT" pigtail cable option also provides a direct coax into the antenna and can be outfitted with a variety of connectors, such as Reverse Polarity TNC or SMA. For direct male N mounting, series "RN" can be chosen. These antennas can withstand the harshest outdoor environments, yet are quite attractive for indoor use. The antennas are supplied with hardware for pole or surface mount.

## ECO Series Omni Antennas (Pat.Pend.)

for all 2.4 - 6.0 GHz Systems

- Gain configurations from 5 dBi to 12 dBi
- Economical, weatherproof and durable design for both indoors and outdoors
- Standard mounting kit includes all hardware needed for pole or wall mount
- Pigtail cable option; use standard mount or hole mount with the 3/4-20 threaded stud

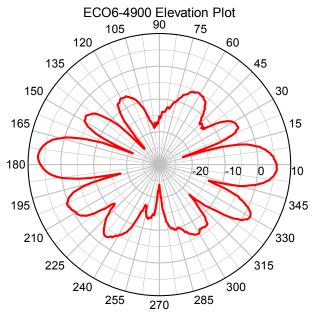
Model Numbers				
Model	<u>Description</u>	<u>Frequency</u>		
ECO5-2400	5 dBi Omni	2.4 - 2.5 GHz		
ECO8-2400	8 dBi Omni	2.4 - 2.5 GHz		
ECO6-2600	6 dBi Omni	2.5 - 2.7 GHz		
ECO9-2600	9 dBi Omni	2.5 - 2.7 GHz		
ECO6-3500	6 dBi Omni	3.4 - 3.7 GHz		
ECO9-3500	9 dBi Omni	3.4 - 3.7GHz		
ECO6-4900	6 dBi Omni	4.9 - 5.0 GHz		
ECO9-4900	9 dBi Omni	4.9 - 5.0 GHz		
ECO12-4900	12 dBi Omni	4.9 - 5.0 GHz		
ECO6-5500	6 dBi Omni	5.0 - 6.0 GHz		
ECO9-5500		5.0 - 6.0 GHz		
ECO12-5800	12 dBi Omni	5.7 - 6.0 GHz		
add "PT"	Pigtail Cable Option with N male			
add "RN"	connector & 3/4-20 thread with Nut Direct mount version with Male N			

Specifications			
Frequency/Gain:	See above	Mounting:	Pole or surface mount,
Bandwidth@2:1 VSWR:	See above	•	mounts up to 2" (5cm)
Impedance:	50 Ohm nominal	Antenna Length:	. , ,
Max Power:	25 Watts	ECO5-2400	11 in (28.0 cm)
ECO5 Beamwidth:	30° EI, 360° Az	ECO8-2400	22 in (56.0 cm)
ECO6 Beamwidth:	25° EI, 360° Az	ECO6-2600	15 in (38.1 cm)
ECO8 Beamwidth:	12° El, 360° Az	ECO9-2600	22 in (56.0 cm)
ECO9 Beamwidth	12° EI, 360° Az	ECO6-3500	15 in (38.1 cm)
ECO12 Beamwidth:	7° El, 360° Az	ECO9-3500	19 in (48.3 cm)
Operating Temp:	-40° to +85° C	ECO6-4900	11 in (28.0 cm)
Lightning Protection:	External recommended	ECO9-4900	15 in (38.1 cm)
Max Wind Velocity:	125+ mph (200 kph)	ECO12-4900	19 in (48.3 cm)
Material:	White fiberglass radome,	ECO6-5500	11 in (28.0 cm)
Weight:	<0.75 lbs (< 0.340 kg)	ECO9-5500	15 in (38.1 cm)
Antenna Diameter:	0.63 in (1.6 cm) Radome,	ECO12-5800	19 in (48.3 cm)
	0.9 in (2.3 cm) at the base	PT Pigtail Option:	1ft cable (0.3 meters) &
Connector (standard):	N female direct		N male, others available



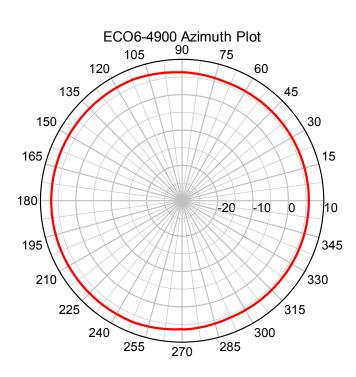
## ECO6-4900 Series Antennas

Omni Directional Antenna 6 dBi, 4.9 – 5.0 GHz



## These plots can be used for the following models:

ECO6-4900 ECO6-4900PT ECOM6-4900 ECOM6-4900TEF ECOT6-4900TEF ECOH6-4900PT ECOH6-4900TEF



Office & Headquarters: 3900-B River Road, Schiller Park, IL 60176 Tel: 800-648-2800 or 847-671-6690 Fax: 847-671-6715 UK Office: 106 Anglesey Business Park, Hednesford, Staffs. WS12 1NR UK Tel: (+44) 1543-878343 Fax: (+44) 1543-871714 Visit our web page at www.mobilemark.com. Specifications subject to change without notice (7/2005).