



OD9 Mounted & Reflector Kit

OD9, OD12, OD6 Shown

OD Series Omni Antenna

For WLAN, Video, PCS, and Data Systems

- 3 dBi, 6 dBi, 9 dBi & 12 dBi antennas provide uniform omni coverage
- Unique design allows economical build out
- Mounting kit includes all hardware needed
- Reflector option provides directional beamshaping & increased performance

The OD Series Antennas are optimized for use in a wide variety of wireless systems. Typical uses include WLAN access points or bridge, PCS Microcell, WLL and surveillance transmitters.

These antennas consist of a collinear array with elements stacked vertically. Unique phasing cancels out-of-phase current distribution, improving system performance. This design maintains an omni pattern in the horizontal plane. The OD Series are free space antennas; no ground plane is required.

An option for the OD series is a reflector kit that beam shapes the omni pattern into a directional cardioid shape. This can result in improved directional gain, and isolation for reduced interference.

The low profile black radome (1" diameter) makes the antennas durable and rugged. They can withstand the harshest environments of snow, wind, rain and ice. The feed assembly is made of precision machined aluminum components and is iridized for weather protection. The antennas comes with all the hardware needed to install it to a mast. The OD antennas normally terminate with a female N connector. Optional models include pigtail cable

with connector. For ISM, Part 15 compliant connectors are available (reverse polarized), please consult factory.

Model Numbers

Model	Freq.(MHz)	Gain	Applications
OD6-1800	1700-1900	6 dBi	PCN, Surveillance
OD9-1800	1700-1900	9 dBi	PCN, Surveillance
OD6-1900	1850-1990	6 dBi	PCS, CDMA/TDMA
OD9-1900	1850-1990	9 dBi	PCS, CDMA/TDMA
OD3-2400	2400-2485	3 dBi	WLAN, ISM, Video
OD6-2400	2400-2485	6 dBi	WLAN, ISM, Video
OD9-2400	2400-2485	9 dBi	WLAN, ISM, Video
OD12-2400	2400-2485	12 dBi	WLAN, ISM, Video

Frequencies subject to bandwidth constraints; confirm desired frequencies at time of order. For pigtail cable options and special frequencies, please consult factory for latest model numbers and configurations.

Reflector Options

Reflector Options	Model
Add-on kit for 6 dBi models	ODR6-K1
Add-on kit for 9 dBi models	ODR9-K1
Add-on kit for 12 dBi models	ODR12-K1

Specifications

Frequency & Gain:	See above
Bandwidth @2:1 SWR:	140 MHz, 85 MHz for OD12
Nominal Impedance:	50 ohms
Max. Power (continuous):	100 watts
Vertical Beamwidth (-3 dB point):	
3 dBi Model	55 degrees
6 dBi Models	25 degrees
9 dBi Models	14 degrees
12 dBi Model	7 degrees
Wind Loading (flat plate equiv.):	30-40 sq. inches
Rated Wind Velocity:	100+ mph
Lightning Protection:	External suggested

Material:	Polycarbonate radome, aluminum feed
Length/Weight:	
3 dBi Models	16 inches, 1.5 lbs
6 dBi Models	19 inches, 1.5 lbs
9 dBi Models	27 inches, 2.0 lbs
12 dBi Model	41 inches, 2.5 lbs
Antenna Diameter:	1", main mast
OD Series Interface:	N female connector
Mounting Kit:	Mast mount kit included
Mounting Dimensions:	Use mast up to 2" OD
Options:	Reflector Option Kit Pigtail Cable Option Part 15 Reverse Connectors

MOBILE MARK® COMMUNICATIONS ANTENNAS

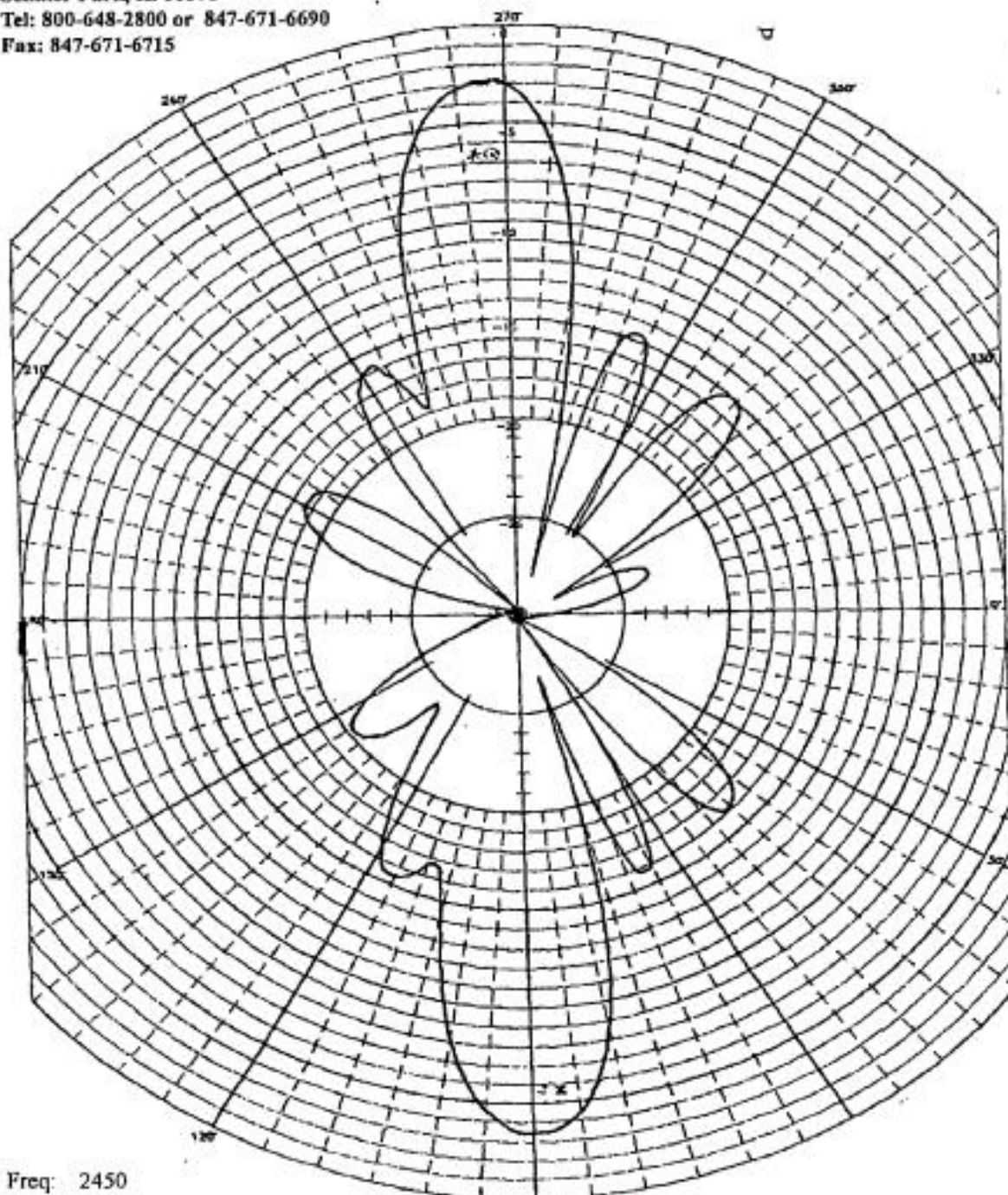
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Engineer:JP Date:8-13-98



Freq: 2450
Pol: Vertical
Antenna: OD9

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