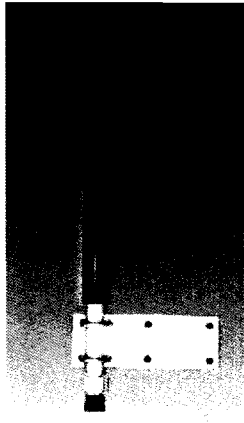


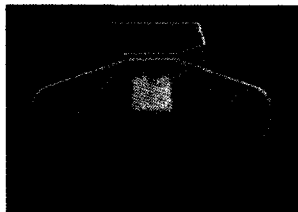
# Product Specifications

# MOBILE MARK<sup>®</sup>

## COMMUNICATIONS ANTENNAS



OD Series



SCR Directional Series



PSTN Device Series

New Models

## 5 GHz Antennas (Pat.Pend.) Omni, Directional & Device

- 14 dBi Corner Reflector for point to point applications
- 9 dBi Omni for multipoint applications
- 2.2 dBi Portable/Device Antenna
- Models available for 5.15 - 5.83 GHz

Mobile Mark's high frequency antennas are designed for new microwave systems, including U-NII networking. These advanced designs accommodate the high-speed wideband performance.

The Corner reflectors use a half-wave element. A unique balun fed design provides high efficiency without skewing the radiation pattern. The result is excellent bandwidth, gain and match. One model covers both of the lower bands (5.15 - 5.35 GHz) and another covers the upper band. The panels are weather protected with white

### Model Numbers

Model	Description	Frequency
SCR14-5150	14 dBi Corner Reflector	5.15-5.35 GHz
SCR14-5725	14 dBi Corner Reflector	5.72-5.83 GHz
OD9-5250	9 dBi Omnidirectional	5.15-5.35 GHz
OD9-5725	9 dBi Omnidirectional	5.72-5.83 GHz
PSTN3-5250	2.2 dBi 1/2 Wave Dipole	5.15-5.35 GHz
PSTN3-5725	2.2 dBi 1/2 Wave Dipole	5.72-5.83 GHz

Special configurations are available upon request. Please consult factory for more information.

powder-coat, each is only 3" x 3". The element is protected in an ABS radome. The female N connector exits at the back. Mounting hardware is provided for pole, surface and corner mount.

The omni antennas use an array of uniquely phased elements. It provides a uniform omni pattern and excellent frequency response. The array is enclosed in black polycarbonate. The antenna is only 18" (46 cm) long, with a diameter of only 1" (2.5 cm). Windloading is negligible. Hardware allows pole, ceiling or surface/offset mount. The antenna terminates with a female N connector.

The PSTN Series device antennas provide a great solution for laptops, NICS, and access point products. These antennas are matched half-wave designs, providing up to 2.2 dBi gain. Radiation pattern is omni with a broad vertical "donut". The antennas require no groundplane for operation. The lower band model radome is 2.5" (7 cm), the upper band model is only 2.3" (6 cm). Both use a PVC jacket, stylized injection mold can be accommodated. The connector is a male SMA. This is a new product with limited availability at the present.

### Specifications

<b>Frequency/Gain:</b>	See above
<b>Bandwidth @2:1 SWR:</b>	200 MHz or better
<b>Impedance:</b>	50 Ohm nominal
<b>Max Power:</b>	100 Watts (OD & SCR Series)
<b>OD Series Beamwidth:</b>	14° vertical, 360° horizontal
<b>SCR Series Beamwidth:</b>	30° vertical, 60° horizontal
<b>Front-to-Back ratio:</b>	30 dB for SCR Series
<b>Lightning Protection:</b>	External recommended
<b>SCR Series Aperture:</b>	3"x5.5" (8x14 cm) front face
<b>SCR Panel Size:</b>	3"x3"(8x8 cm) each
<b>OD Series Size:</b>	18"L x1" (46 x3 cm) OD
<b>Max Wind Velocity:</b>	100 mph, all models
<b>SCR Series Material:</b>	Irridited aluminum, ABS plastic radome material
<b>OD Series Material:</b>	Polycarbonate Black radome, irridited aluminum feed

<b>Weight:</b>	<1 lbs, OD & SCR models
<b>Mounting:</b>	Pole, surface mount, hardware included.
<b>Mounting Dimension:</b>	Mounts up to 2"(5 cm) mast
<b>Connector, OD &amp; SCR:</b>	N female

### PSTN Series Unique Specifications - Preliminary

<b>PSTN3-5250 Size:</b>	2.6"Lx0.5"D (7x1.3 cm)
<b>PSTN3-5725 Size:</b>	2.2"Lx0.5"D (6x1.3 cm)
<b>Max Power:</b>	10 Watts
<b>Connector:</b>	SMA Male
<b>PSTN Material:</b>	PVC Jacket
<b>Frequency/Gain:</b>	See above

Special configurations available upon request, please consult factory for details.