

PCTEL New Wideband Dual Polarized Parabolic Reflector Antenna Series with Radome



PCTEL is very pleased to make available to you for resale two new MPRD wideband dual polarized parabolic reflector antennas. These robust, easy to install antennas, are designed to perform reliably for long periods of time in the harshest environments. PCTEL is so confident in the quality and robustness of the MPRD parabolic antennas that it is offering them with a 5 year warranty.

Initial deliveries will begin in late June 2008. Normal lead time will be 2 weeks ARO and should begin mid 3rd quarter 2008 or sooner.

See the **Launch Letter** below for more information on the MPRD series product release.

Additional Information:

- [Launch Letter](#)
- [Product Data Sheet](#)
- [Radiation Patterns](#)

To: All PCTEL Resellers

Subject: PCTEL New Wideband Dual Polarized Parabolic Reflector Antenna Series with Radome

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The MPRD parabolic reflector antennas suppress extraneous sidelobe and cross-polarized energy. The antennas feature a micro fine elevation and azimuth adjustment kit and are provided with a radome as a standard feature. They are available in two and three foot diameter sizes. The 2 foot version can be shipped via Fed Ex.

PCTEL has an excellent reputation for innovative and distinctive designs that address a wide range of operational and economic considerations.

Model Number	Frequency Range	Nominal Gain	Beamwidth	List Price
MPRD2449	4.9-6.0 GHz	28.1 dBi at 5.15 GHz 29.4 dBi at 5.875 GHz	6°	\$800.00
MPRD3649	4.9-6.0 GHz	31.0 dBi at 5.15 GHz 32.0 dBi at 5.875 GHz	4°	\$1,150.00

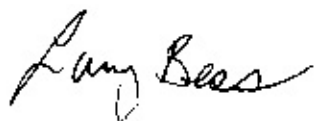
All of the above antennas come complete with a radome and a double saddle mounting bracket that will accommodate pipe attachments ranging from 1.625" to 4.5" OD.

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The above part numbers will carry the price category of MAXRAD 6. Please contact Jennifer Karrick, Director of Customer Service at 630-233-8008 for questions regarding MAXRAD 6 discount level.

Please be sure to place your orders early, as orders will be filled on a first come first serve basis.

Good Selling,



Larry Bess
VP Marketing Services

NON CELLULAR DIRECTIONAL BASE STATION ANTENNAS

MPRD Parabolic Reflector Antennas



4.9-6.0 GHz Wideband Dual Polarized Parabolic Reflector Antenna Series with Radome

The MPRD prime focus parabolic reflector antennas suppress extraneous sidelobe and cross-polarized energy. These antennas feature a micro fine elevation and azimuth adjustment kit. All MPRD antennas are provided with a radome as a standard feature.

Features

- Availability in two and three foot diameter sizes
- Radome comes standard and installed
- Rear mounted feed - radome never has to be removed
- Linear, continuous polarization adjustment
- Fine adjustment mechanism for elevation and azimuth
- Assembled and attached offset mount allows easy access to connector
- Double saddle mounting brackets will accommodate pipe attachments ranging from 1.625" to 4.5" OD
- Robust mounting structure. Three point mount attachment improves stability and prevents reflector distortion and mechanical oscillation
- 2 foot versions are UPS shippable

Antenna Electrical Specifications

Model	Frequency Range	Nominal Gain (+/- 0.5 dB)	3 dB Beamwidth, Nominal
MPRD2449	4.9-6.0 GHz	28.1 dBi at 5.15 GHz 29.4 dBi at 5.875 GHz	6°
MPRD3649	4.9-6.0 GHz	31.0 dBi at 5.15 GHz 32.0 dBi at 5.875 GHz	4°

Mechanical Specifications

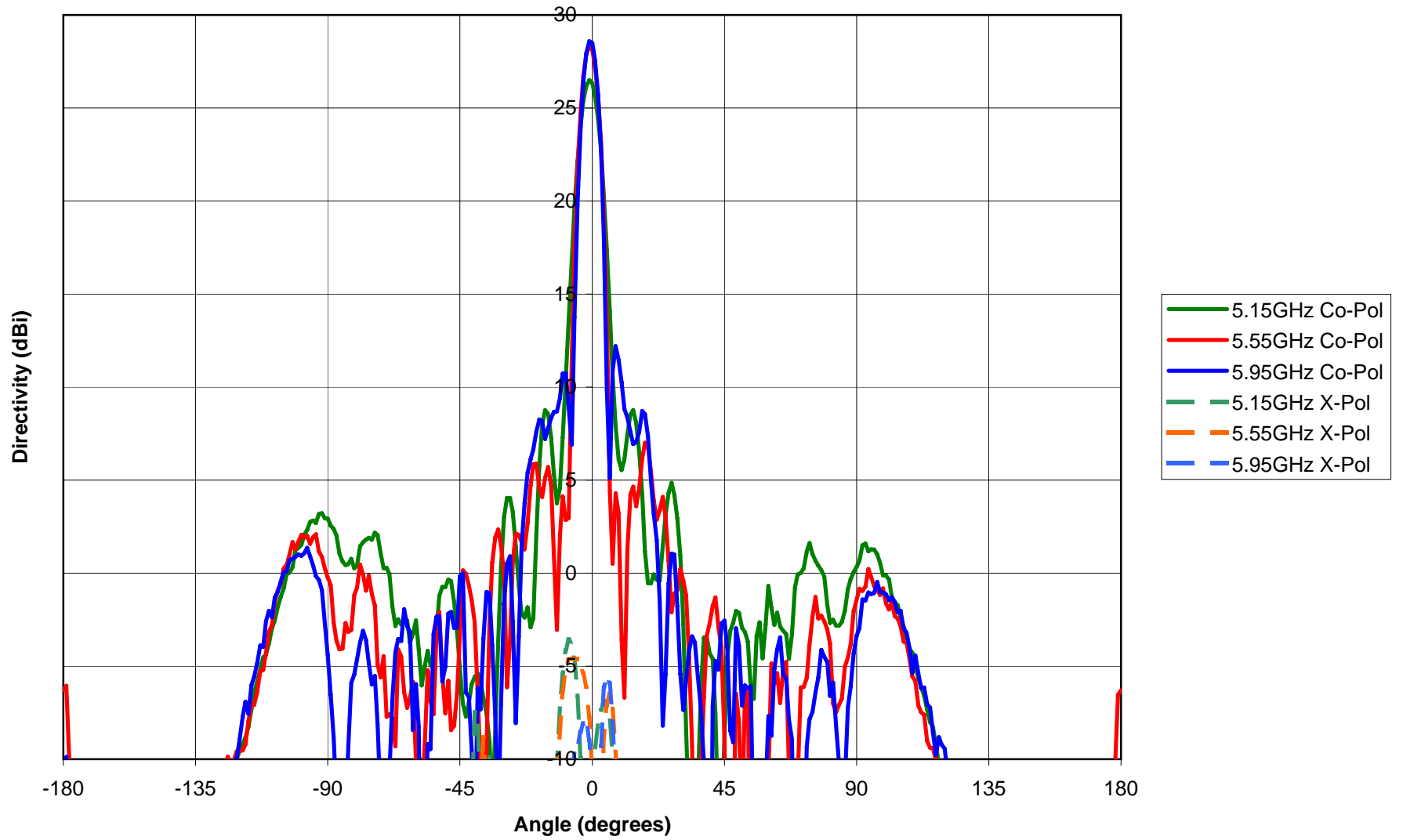
Model	Wind Survival with 1/2" of radial ice	Temperature Range	Diameter
MPRD2449	125 mph	-40°C to +80°C	26" (66 cm)
MPRD3649	125 mph	-40°C to +80°C	36" (91 cm)



Technical Data

General Specifications: Prime Focus Parabolic Reflector Antenna
Maximum Power: 25 watts
Nominal Impedance: 50 ohms
SWR/return loss: < 1.5 / >13.9 dB for 5.15-6.0 GHz operation < 1.7 / >12 dB for 4.9-5.15 GHz operation
Polarization: Dual linear, continuously adjustable
Front-to-back Ratio: 36 dB (MPRD2449) 43 dB (MPRD3649)
Interport Isolation: > 35 dB
Cross Polarization Discrimination: > 30 dB
Interface Connector: Type N female
Mount Interface: Accommodates 1.625" to 4.5" pipe OD

Two Foot Dual-Polarized Reflector Antenna - H-Plane Radiation Patterns



3 ft Dual Pol Reflector - H-Plane Radiation Patterns

