

# Hascall-Denke "HD-IPT220-D-9" Track View Bi-Directional Antenna

Base Station-Voice /Data/-Rail Services Agencies-PTC "Positive Train Control" Yard-Fleet-Maintenance



## Specifications

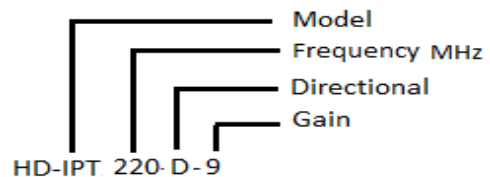
### MECHANICAL:

- Mounting: Pole, Tower, Track Side, Rapid Mount
- Radome: Fiberglass
- Colors: Off White ( Other Colors Special On Request)
- Dimensions: 96" H x 1.75" OD x 35"W  
(2438mm H x 45mm OD x 889mmW)
- Shock & Vibration: EN 61373, MIL-810G, & IEEE 1478
- Water Intrusion: Gas Pass (Vented)
- Temperature: -40°C TO +85°C
- Weight: 33 lb ( 15 kg) Mount Included
- Connector: N-Female
- Wind Rating: 125MPH
- Mount: Fits Pipe Dia. 2"~ 3"

### ELECTRICAL:

- Frequency: 213-230 MHz
- Gain: 9 dBi
- VSWR: 1.5:1 Typical (operating Frequency)
- Input Impedance: 50 Ohms Nominal
- Power: 100 Watts Max
- Polarization: Vertical Linear
- Horizontal Beamwidth: 86 degrees
- Vertical Beamwidth: 50 degrees
- Interface: Rapid-Mount

### PART NUMBERING IDENTIFICATION



**HASCALL-DENKE**

P.O. Box 909, Palmetto, Florida 34220-0909

Tel: 941.723.2833 • Fax: 941.723.1628

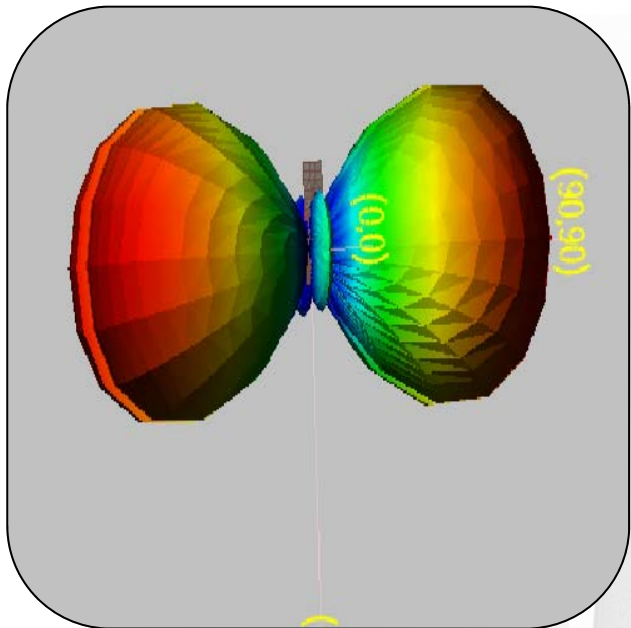
[www.hascall-denke.com](http://www.hascall-denke.com)

Form F042, Rev: \_

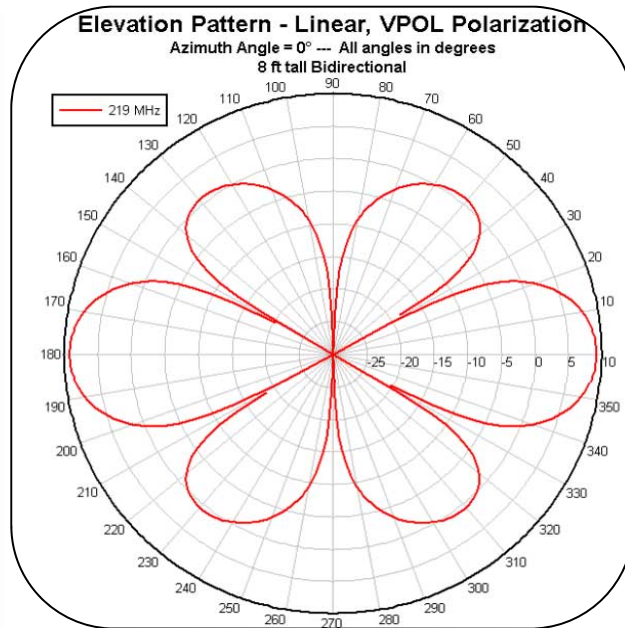
\*\*Specifications are subject to change without prior notice.  
\*\*All information on this product and the product itself is the property of and is proprietary to Hascall-Denke.

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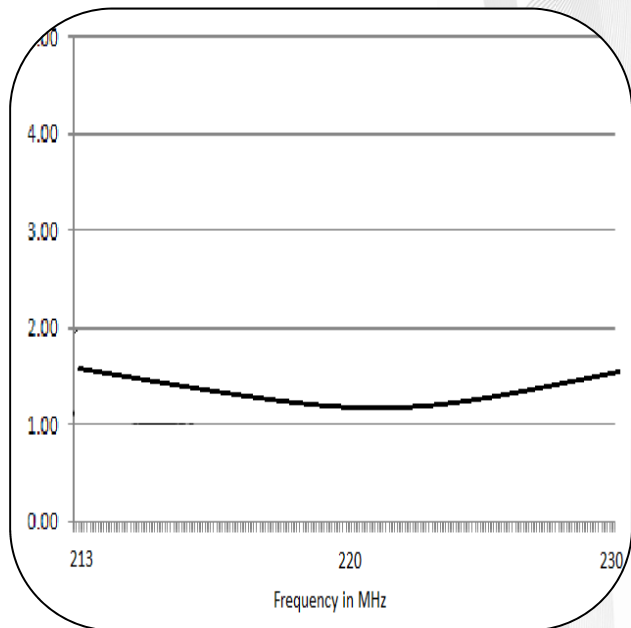
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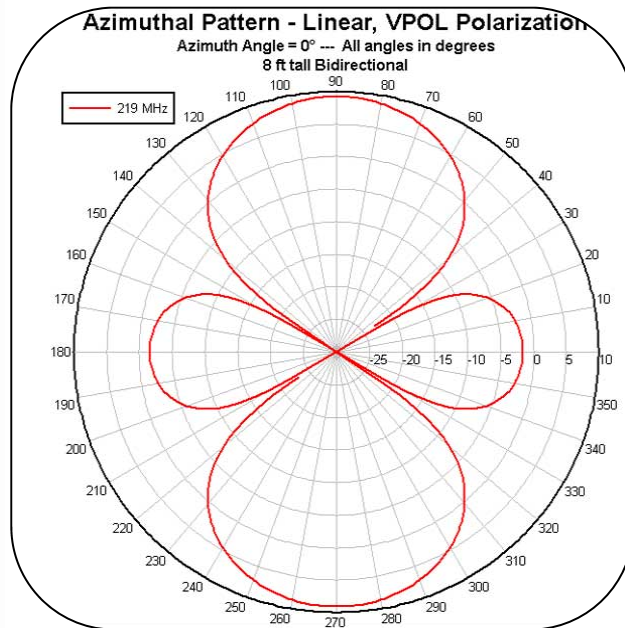
3D Reference



E-Plane / Elevation



VSWR



H-Plane / Azimuth

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