

WR305-0116

900 MHz, Omni Antenna, 12.1 dBi

N-female, 3° Electrical Downtilt with Mounting Hardware

www.vecimanetworks.com

Mechanical specifications

Length

Overall	3393 mm	134 in
Radome	2893 mm	114 in

Diameter Ø65 mm 2.6 in

Weight 12 kg 26.5 lbs

Wind area 0.2 m² 2.4 ft²

Wind load at 50 m/s 351 N 79 lbs

Support Pipe

Aluminum alloy diameter Ø70 mm (2.76 in), length 500 mm (19.7).

Antenna consisting of aluminum alloy. Dipoles covered by a polyurethane painted fiberglass radome. **Inverted models available.**

Electrical specifications

Frequency Range 870-960 MHz

Impedance 50Ω

³⁾ Connector N female

¹⁾ VSWR ≤1.43:1

Polarization Vertical

¹⁾ Gain 10 dBd

²⁾ Power Rating 500 W

¹⁾ Half Power Angle

H-Plane 360°

E-Plane 7°

¹⁾ Lobe Tilt 3°

¹⁾ Null Fill 25%

Lightning Protection Direct Ground

¹⁾ Typical Values

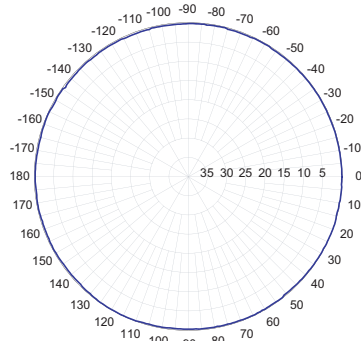
²⁾ Power Rating limited by connector only.

³⁾ NE indicates an elongated N Connector.
E-DIN indicates an elongated DIN Connector.

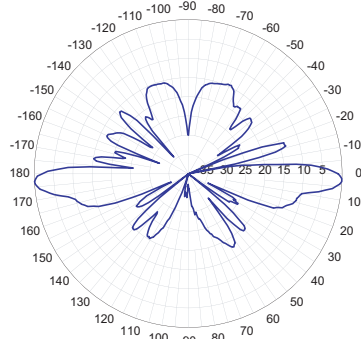
Improvements to mechanical and/or electrical performance of the antenna may be made without notice.

870-960 MHz

Radiation-pattern (at mid-band)



Horizontal



Vertical



870-960 MHz



Antel's Exclusive 3T (True Transmission Line Technology) Antenna Design:

- A 1¼" four-channel extrusion running the entire length of the antenna for unmatched strength and rigidity.
- Durable brass feedline design that eliminates the need for solder joints in the signal path.
- A non-collinear system with access to every radiating element for broad bandwidth and superior performance.
- Air as insulation for virtually no internal signal loss.

Antel
INTERNATIONAL, INC.

WaveRider® by **vecima**
Last Mile Solution®
networks