WR305-0115

900 MHz, Omni Antenna, 12.1 dBi
N-female, 1° 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	m^2	2.4	ft^2
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

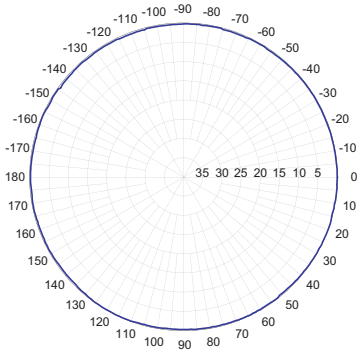
	Frequency Range	870-960 MHz
	Impedance	50Ω
3)	Connector	N female
1)	VSWR	≤1.43:1
	Polarization	Vertical
1)	Gain	10 dBd
2)	Power Rating	500 W
1)	Half Power Angle	
	H-Plane	360°
	E-Plane	7°
1)	Lobe Tilt	1.25°
1)	Null Fill	25%
	Lightning Protection	Direct Ground

1) Typical Values
2) Power Rating limited by connector only.
3) NE indicates an elongated N Connector.
E-DIN indicates an elongated DIN Connector.

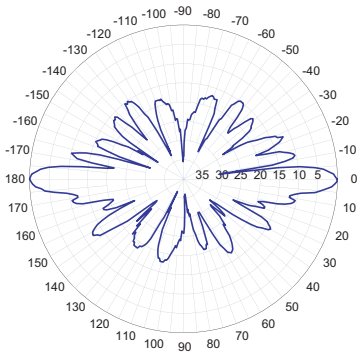
Improvements to mechanical and/or electrical performance of the antenna may be made without notice.

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.

WaveRider® Last Mile Solution® by Vecima networks