

Horizontally Polarized, Omni-Directional / 7 dBd**Mechanical specifications**

Length

Overall	2032 mm	80 in
Radome	1651 mm	65 in

*Diameter	Ø65 mm	2.6 in
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4) Weight	7.72 kg	17 lbs
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Wind Area	0.14 m ²	1.50 ft ²
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Wind load at 50 m/s	220 N	50 lbs
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*Antenna only (does not include reflector)

Antenna consisting of aluminum alloy. Dipoles covered by a polyurethane painted fiberglass radome.

Mounting

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

Mounting bracket kit #36312000 Standard -or-
#36413001 Offset

Downtilt bracket kit N/A

Electrical specifications

Frequency Range	902-928 MHz
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Impedance	50?
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3) Connector	NE, E-DIN
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1) VSWR	? 1.50:1
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Polarization	Horizontal
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1) Gain	7 dBd
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2) Power Rating	500 W
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1) Half Power Angle	
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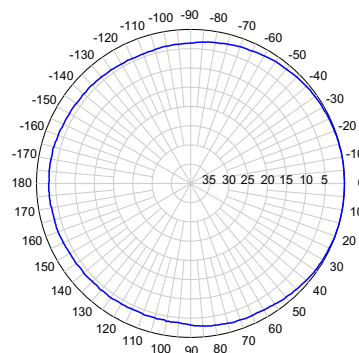
H-Plane	15°
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E-Plane	360°
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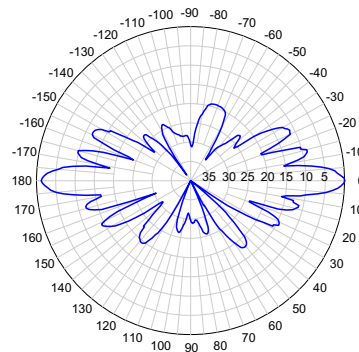
1) Electrical Downtilt	0°
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1) Null Fill	5%
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Lightning Protection	Direct Ground
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Radiation-pattern ¹⁾

E-Plane Horizontal



H-Plane Vertical

BCD-HP7WD ____

When ordering, replace "____" with connector type.



Amphenol 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 conventional solder joints in the signal path.
- A non-collinear system with access to every radiating element for broad band width and superior performance.
- Air as insulation for virtually no internal signal loss.

Every Amphenol Antel antenna is under a five-year limited warranty for repair or replacement.

¹⁾ Typical Values

²⁾ Power Rating limited by connector only.

³⁾ NE indicates an elongated N Connector.

E-DIN indicates an elongated DIN Connector.

⁴⁾ The antenna weight listed above does not include the bracket weight.

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

902-928 MHz

**Amphenol
Antel, Inc.**
The Antenna Technology Company