

## 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
<sup>4)</sup> Weight	7.72 kg	17 lbs
Wind Area	0.14 m <sup>2</sup>	1.50 ft <sup>2</sup>
Wind load at 50 m/s	220 N	50 lbs

\*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
Impedance	50?
<sup>3)</sup> Connector	NE, E-DIN
<sup>1)</sup> VSWR	? 1.50:1
Polarization	Horizontal
<sup>1)</sup> Gain	7 dBd
<sup>2)</sup> Power Rating	500 W
<sup>1)</sup> Half Power Angle	
H-Plane	15°
E-Plane	360°
<sup>1)</sup> Electrical Downtilt	0°
<sup>1)</sup> Null Fill	5%
Lightning Protection	Direct Ground

<sup>1)</sup> Typical Values

<sup>2)</sup> Power Rating limited by connector only.

<sup>3)</sup> NE indicates an elongated N Connector.

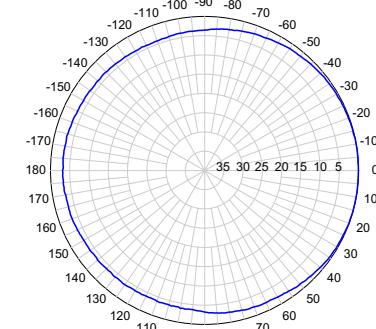
E-DIN indicates an elongated DIN Connector.

<sup>4)</sup> The antenna weight listed above does not include the bracket weight.

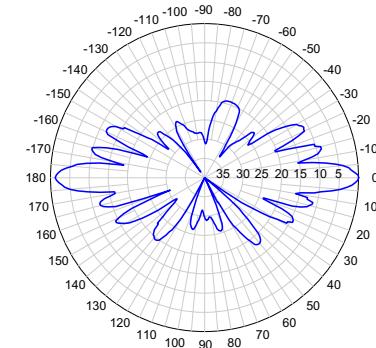
Improvements to mechanical and/or electrical performance of the antenna may be made without notice.

**BCD-HP7WD**

When ordering, replace "\_\_\_" with connector type.

Radiation-pattern <sup>1)</sup>

E-Plane Horizontal



H-Plane Vertical



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

- A 1 1/4" 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.

**902-928 MHz**

