

## Railroad Antenna



The LB44R railroad antenna is designed to be used in commercial railroad applications such as: PTC “Positive Train Control”, yard/fleet maintenance, and rail service agencies.

Robust and tough, this antenna is housed in a thick fiberglass radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- **Low VSWR**
- **Shock & Vibration rated: EN 61373, MIL-810G, & IEEE 1478**



Mounting Bracket sold separately.



Made in the USA  
ISO 9001:2008 Certified  
(1Y09400)

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)

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### Specifications

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#### ELECTRICAL:

Frequency Range:	43-47 MHz
Gain:	1.0 dBi
VSWR:	< 2.0:1
Input Impedance:	50 $\Omega$ Nominal
Power:	100 Watts Max
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 68°
Input Connector:	Type N Female

#### MECHANICAL:

Overall Height:	91 in. (2.31 m)
Radome Diameter:	1.75 in. (45 mm) OD
Net Weight:	7 lb. (3.18 kg) 13 lb. (5.90 kg) With Mount
Maximum Wind Load:	130 mph (209 km/h)
Operational Temps:	-40° to +185°F (-40° to +85°C)
Color:	Off White (Other colors available.)
Water Intrusion:	Gas Pass (Vented)
Shock & Vibration:	EN 61373, MIL-810G, IEEE 1478
Mounting:	HDM001 (1Y09250) Fits Mast Pipe Dia. 2" - 3" (50.8 - 76.2 mm)

**\*\*All information on this product and the product itself is the property of and is proprietary to Hascall-Denke.**

**\*\*Specifications are subject to change without prior notice.**



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