

AA3233-004

Heavy Rail Antenna

TransCore's AA3233-004 915MHz Heavy Rail Antenna is a rugged, reliable antenna specifically designed for mounting to train undercarriages.

Constructed for high shock and vibration environments, the IP65/67 rugged weatherproof enclosure provides protection from harsh environmental conditions encountered in railroad applications.

When paired with TransCore's AT5000-series transportation tags, the AA3233-004 Heavy Rail Antenna can read rail transponders at speeds up to 75 mph (120km/hr).

The AA3233-004 Antenna can be mounted under the locomotive or on the truck/bogie. TransCore's specially designed strain relief mount provides better coaxial cable durability when used in bogie mount applications.



Features

- ▶ Constructed for high shock and vibration environments
- ▶ IP65/67 rugged weatherproof enclosure
- ▶ Corrosion and chemical resistant
- ▶ Optional strain relief for high vibration applications

Applications

- ▶ Train positioning
- ▶ Rail Automatic Equipment Identification (AEI)

AA3233-004 Heavy Rail Antenna

COMMUNICATIONS

Frequency Range

902 to 928MHz

Gain (peak, near field)

10 dBi

Polarization

Linear

VSWR

<2.0:1

Impedance

50 ohms nominal

HARDWARE FEATURES

Connectors

Antenna: right angle N-type female
Checktag: receptacle, jam nut

PHYSICAL

Dimensions

Size: 68.3 x 6.1 x 28.7 cm (26.9 x 2.4 x 11.3 in)

Weight: 7.64 kg (16.4 lbs)

Enclosure

IP65/67 Radome

ENVIRONMENTAL

Operating Air Temperature

-40°C to +50°C (-40°F to +122°F)

Humidity

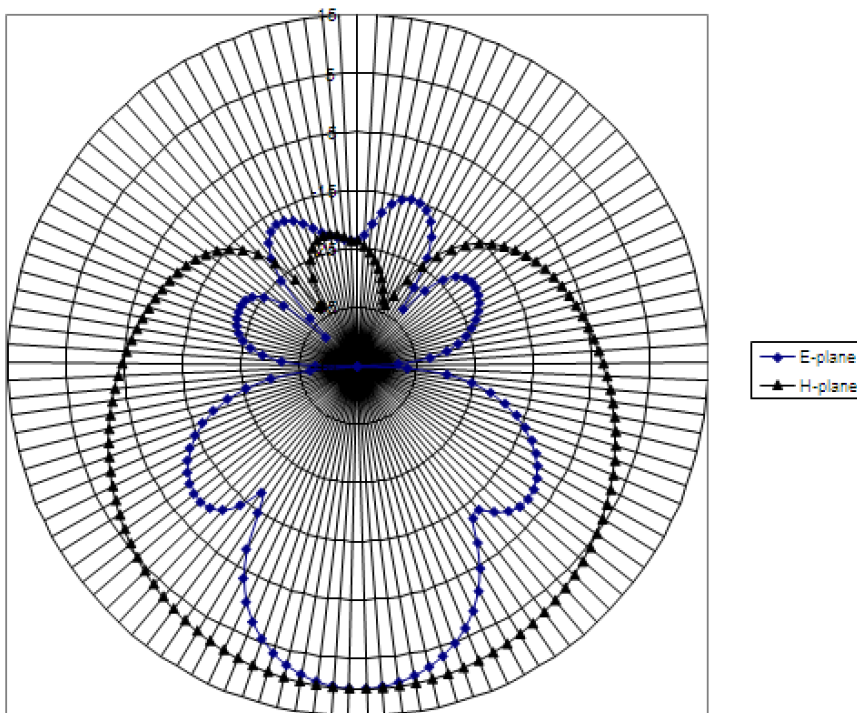
100% condensing

Vibration Tolerance

4 G_{RMS} 5 to 500 Hz

Shock Tolerance

30 G peak x 2 ms



Antenna Field Pattern

For more information:

Sales Support

800.923.4824

Technical Support

505.856.8007

transcore.com

