

2 dBi Ground Independent Tunable Poly Spring Vehicular Antenna 144-174 MHz NMO Mount Connector

This wide band ground independent VHF mobile omnidirectional antenna is ideally suited for multipoint mobile applications including service vehicles, public transportation, public safety, mining and construction vehicles, as well numerous other commercial and industrial applications where mobility and wide coverage is desired. This antenna features a flexible Poly Spring base. Unlike the traditional metal spring base, the Poly Spring will not corrode and does not generate electrical noise when flexed during use. It has a standard TAD/NMO Motorola-type mobile base.

Configuration

Design	Vehicular
Gain	2
Polarization	Linear, Vertical
Connector Type	NMO Mount

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range (Tunable Range)	144		174	MHz
Operational Bandwidth (Frequency Dependent)			15-20	MHz
Input VSWR (across operational bandwidth)				2:1
Center Frequency VSWR			1.2:1	
Impedance		50		Ohms
Gain		2		dBi
Horizontal (Azimuth) Beam Width		360		Degrees
Vertical (Elevation) Beam Width		70		Degrees
Input Power			150	Watts

Mechanical Specifications

Size	
Length	0 in [0 mm]
Width	0 in [0 mm]
Height	0 in [0 mm]
Weight	0.166 lbs [75.3 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +85 deg C
Humidity	95%
Corrosion	Salt Fog

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:



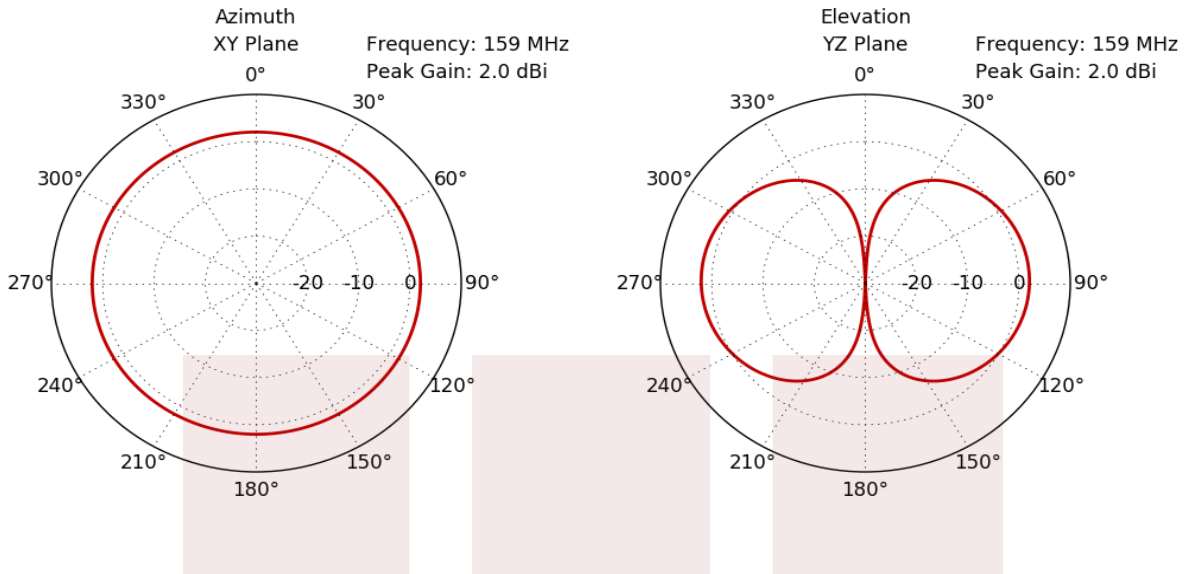
Features:

- Broadband performance; ground independent
- NMO Mount, Black Chrome Finish
- Flexible Black Polymer Alloy Spring
- O-ring seal for waterproof construction
- Durable Xenoy™ base with TPV over mold dust seal and grip ring

Applications:

- Service Vehicles
- Public Safety
- Public Transportation
- Mining & Construction

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2 dBi Ground Independent Tunable Poly Spring Vehicular Antenna 144-174 MHz NMO Mount Connector from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [2 dBi Ground Independent Tunable Poly Spring Vehicular Antenna 144-174 MHz NMO Mount Connector FM51MP1009](https://www.fairviewmicrowave.com/2-dbi-ground-independent-tunable-poly-spring-vehicular-antenna-144-174-mhz-nmo-mount-connector-fm51mp1009)

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