



## Mobile Load Coil Antenna

### Standard B4903

Premium mobile load coil antennas are industry standard. Laird Technologies' ongoing commitment to refinement in mechanical and electrical design has resulted in the most technically advanced mobile load coil antennas on the market. Exclusive features such as stainless steel whips, housings constructed with ABS material injected molded around a solid brass insert, and gold plated push pin contacts make Laird Technologies the obvious choice for quality and long lasting value for demanding mobile radio communications.

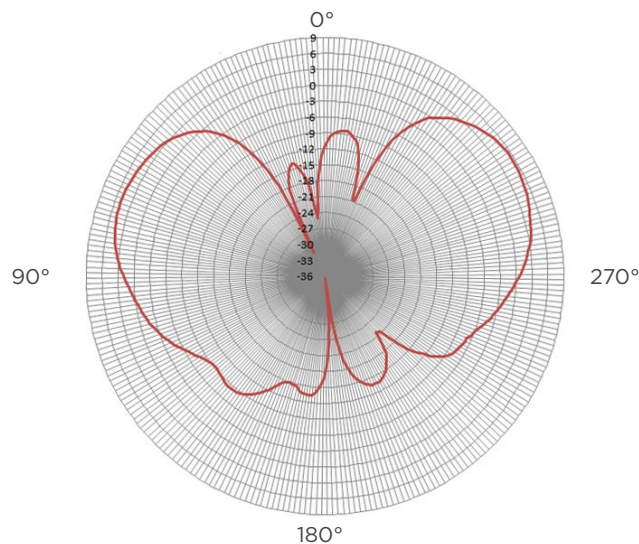
### FEATURES AND BENEFITS

- $\frac{5}{8}$ " wave design for true 3 dBi performance
- High performance mobile antenna operates on a 6" diameter (min.) ground plane
- Straight stainless steel
- Easy installation with optional NMO mounts
- 100% tested on a network

### MARKETS

- Public safety
- Transportation
- Utility
- Military mobile

### ANTENNA PATTERNS



Elevation Polar Radiation Pattern  
490 MHz

ELECTRICAL SPECIFICATION	
Frequency Range	490-512 MHz
Gain	3 dBi
VSWR	< 1.5:1
Maximum Power	100 W
Nominal Impedance	50 Ω
Polarization	Vertical
Pattern	Omnidirectional
Coaxial Cable Length and Type (For Vertical Polarization)	None
Terminations	NMO Style

MECHANICAL SPECIFICATION	
Color	Black or Chrome
Height	B4903: 11.625 in (29.5275 cm) B4903S: 12 in (30.48 cm)
Diameter	1.44 in (36.576 mm)
Weight	B4903: .355 lbs (5.68 oz) B4903S: .425 lbs (6.8 oz)
Material	ABS Base/Stainless Steel Rod
Mounting Information	Ground Plane

## MODEL AND ORDERING INFORMATION

MODEL	DESCRIPTION	OVERALL HEIGHT
B4903	490-512 MHz, Chrome Finish	11.625 in
BB4903	490-512 MHz, Black Finish	11.625 in
B4903S	490-512 MHz, with Spring, Chrome Finish	12 in
BB4903S	490-512 MHz, with Spring, Black Finish	12 in

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