



## SPRING B4303S

### Mobile Load Coil Antenna

#### PREMIUM MOBILE LOAD COIL ANTENNAS ARE INDUSTRY STANDARD

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

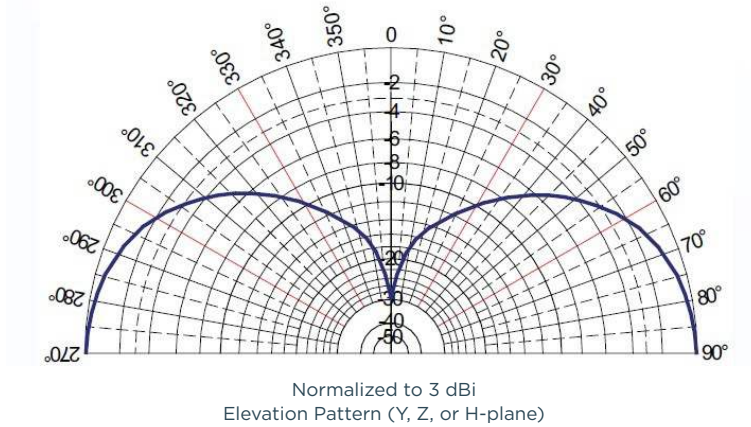
#### FEATURES

- Easily-removable rod allows the mount to stay water tight during car washes
- O-ring built into the base creates a weather-tight seal
- ABS material is injection-molded directly around the solid brass inserts for a virtually indestructible housing that does not leak or disassemble
- All silver soldered joints provide an electrically and mechanically secure connection

#### MARKETS

- Public safety
- Transportation
- Utility
- Military mobile

## ANTENNA PATTERNS



SPECIFICATIONS	
Frequency Range	430-450 MHz
VSWR	<2.1
Nominal Gain	3 dBi
Maximum Power	200 W
Nominal Impedance	50 Ω
Polarization	Vertical
Pattern	Omnidirectional
Half-Power Beamwidth (Elevation ° x Azimuth °)	70 ° x 360 °
Coaxial Cable Length and Type (for Vertical Polarization)	None
Terminations	NMO
Noise Suppressor	BlackHawk NS1535 1-35 Volt, 15 Amp Noise Suppressor (sold separately)
Height	19 3/8" (See cutting chart)
Diameter	1.44"
Weight	<0.5 lb
Equivalent Flat Plane Area (wind resistance in square feet)	0.023 sq. ft.
Mounting Information (sold separately)	NMO mountable
Material Substance Compliance	RoHS

## MODEL AND ORDERING INFORMATION

MODEL	DESCRIPTION	HEIGHT	TUNING
B4303S	430-450 MHz, 5/8 wave, chrome finish	23"	See Cutting Chart
BB4303S	430-450 MHz, 5/8 Wave, black finish	23"	See Cutting Chart

## B4303S CUTTING CHART

FREQUENCY	WHIP LENGTH
430 MHz	9 13/16"
435 MHz	9 5/8"
440 MHz	18 5/16"
445 MHz	9"
450 MHz	8 3/4"

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