



## PREMIUM MOBILE LOAD COIL ANTENNAS ARE INDUSTRY STANDARD

Laird's 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 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.

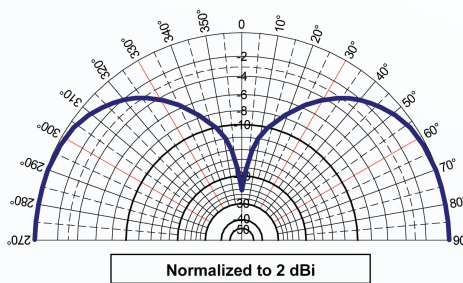
### FEATURES

- 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 will not leak or disassemble
- All silver soldered joints provide an electrically and mechanically secure connection

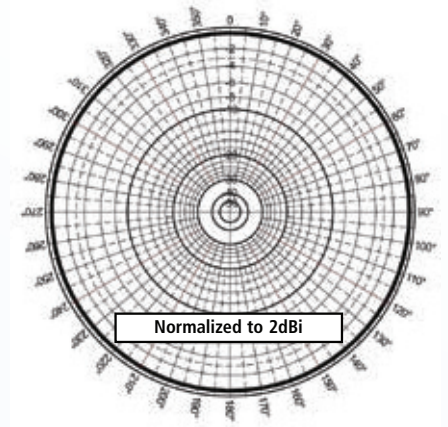
### MARKETS

- Public safety
- Transportation
- Utility
- Military mobile

## ANTENNA PATTERNS



Elevation Pattern (Y, Z, or H-plane)



Azimuth Pattern (X, Y, or E-plane)

## SPECIFICATIONS

ELECTRICAL	
Frequency Range	No Spring 132-525 MHz With Spring 132-525 MHz
VSWR	< 2.1 Max
Nominal Gain	2 dBi
Maxmium Power	200 W
Nominal Impedance	50 Ω
Polarization	Vertical
Pattern	Omnidirectional
Half-Power Beamwidth (Elevation° x Azimuth°)	110° x 360°
Coaxial Cable Length & Type (For Vertical Polarization)	None
Noise Suppressor	BlackHawk NS1535 1-35 VOLT, 15 Amp Noise Suppressor (Sold Separately)

MECHANICAL	
Height	23" (Also, see cutting chart)
Diameter	1.44"
Weight	< 0.5 lb
Equivalent Flat Plate Area (Wind Resistance in Sq. Ft.)	0.023 sq. ft.
Mounting Information (Sold Separately)	NMO Mountable
Noise Suppressor	BlackHawk NS1535 1-35 VOLT, 15 Amp Noise Suppressor (Sold Separately)

## MODEL AND ORDERING INFORMATION

MODEL	DESCRIPTION	OVERALL HEIGHT	TUNING
B132S	132-525 MHz, Base Loaded 1/4 Wave Broadband, Chrome Finish	23"	See Cutting Chart
BB132S	132-525 MHz, Base Loaded 1/4 Wave Broadband, Black Finish	23"	See Cutting Chart

## B132S CUTTING CHART

FREQUENCY	WHIP LENGTH	FREQUENCY	WHIP LENGTH	FREQUENCY	WHIP LENGTH
132 MHz	19 <sup>3</sup> / <sub>8</sub> "	156 MHz	16"	220 MHz	10 <sup>1</sup> / <sub>2</sub> "
134 MHz	19"	158 MHz	15 <sup>5</sup> / <sub>8</sub> "	230 MHz	10 <sup>1</sup> / <sub>8</sub> "
136 MHz	18 <sup>1</sup> / <sub>2</sub> "	160 MHz	15 <sup>5</sup> / <sub>8</sub> "	240 MHz	9 <sup>3</sup> / <sub>4</sub> "
138 MHz	18 <sup>1</sup> / <sub>8</sub> "	162 MHz	15"	250 MHz	9 <sup>1</sup> / <sub>4</sub> "
140 MHz	17 <sup>7</sup> / <sub>8</sub> "	164 MHz	14 <sup>7</sup> / <sub>8</sub> "	406 MHz	5 <sup>5</sup> / <sub>8</sub> "
142 MHz	17 <sup>5</sup> / <sub>8</sub> "	166 MHz	14 <sup>5</sup> / <sub>8</sub> "	425 MHz	4 <sup>1</sup> / <sub>8</sub> "
144 MHz	17 <sup>1</sup> / <sub>2</sub> "	168 MHz	14 <sup>1</sup> / <sub>2</sub> "	450 MHz	3 <sup>5</sup> / <sub>8</sub> "
146 MHz	17 <sup>1</sup> / <sub>4</sub> "	170 MHz	14 <sup>3</sup> / <sub>8</sub> "	475 MHz	3 <sup>1</sup> / <sub>8</sub> "
148 MHz	17"	172 MHz	14 <sup>1</sup> / <sub>8</sub> "	500 MHz	3"
150 MHz	16 <sup>7</sup> / <sub>8</sub> "	174 MHz	14"	525 MHz	3 <sup>3</sup> / <sub>4</sub> "
152 MHz	16 <sup>1</sup> / <sub>2</sub> "	200 MHz	11 <sup>1</sup> / <sub>2</sub> "		
154 MHz	16 <sup>1</sup> / <sub>4</sub> "	210 MHz	11"		

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