



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# Wide Band Mobile Load Coil Antenna B1322W



## 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 injected 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

- High performance wide band mobile antenna
- Special UV treated radome, resists sun damage
- Easy installation with optional NMO Mounts
- 100% tested on a network analyzer
- Field tunable to your specific frequency requirement (cutting chart comes with the antenna)

### MARKETS

- Public safety
- Transportation
- Utility
- Military mobile

## SPECIFICATIONS

ELECTRICAL		MECHANICAL	
Frequency range	132-174 MHz Field tunable	Whip length at 132 MHz	Approximately 40" (102cm)
Peak gain	2.4dB	Diameter	1.45" (36.7mm)
Bandwidth	23 MHz	Weight (mass)	1.2 lbs
Pattern	Omnidirectional	Wind speed survivability	100mph (161kph)
Maxmium power	100 W		
Nominal impedance	50 Ω		
Polarization	Vertical		
VSWR	<2.0:1		
Termination	1-1/8" - 18 thread (NMO) mountable		
Mounting options	3/4" or 3/8" NMO Magnetic or trunk mount		
Radiator material	0.125" diameter, 17-7PH stainless steel whip		
Spring material (spring models only)	Stainless steel tempered spring		
Base housing material	Chrome plated brass top and bottom bushings with injection molded ABS plastic		

Americas: +1.847 839.6907  
IAS-AmericasEastSales@lairdtech.com

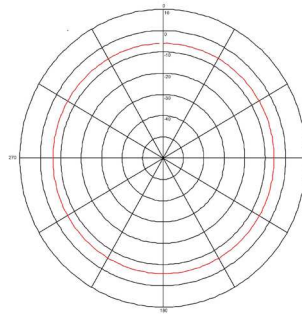
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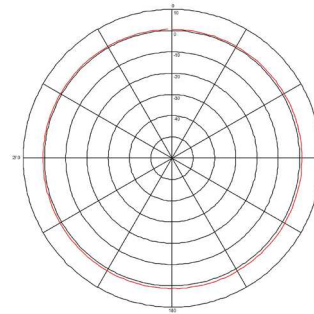
[www.lairdtech.com](http://www.lairdtech.com)

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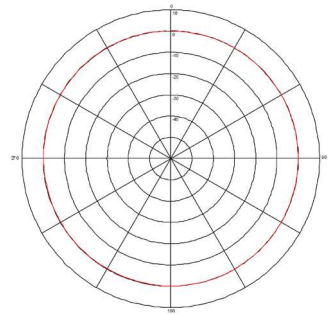
## ANTENNA PATTERNS AND VSWR CHARTS



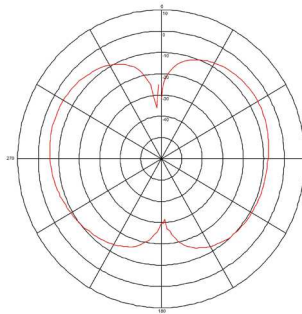
Azimuth Plot at 132MHz



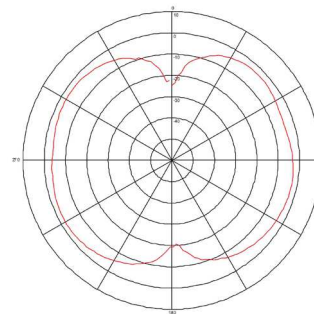
Azimuth Plot at 153MHz



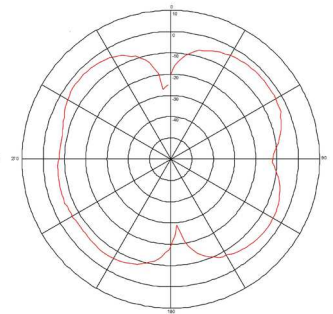
Azimuth Plot at 174MHz



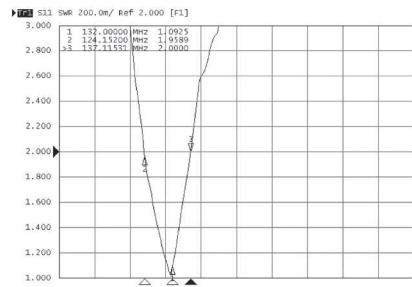
Elevation Plot at 132MHz



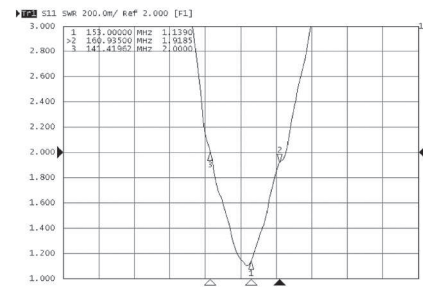
Elevation Plot at 153MHz



Elevation Plot at 174MHz



VSWR Plot at 132MHz



VSWR Plot at 153MHz



VSWR Plot at 174MHz

## SYSTEM ORDERING INFORMATION

- B1322W Chrome B-Coil Wide Band Antenna
- BB1322W Black B-Coil Wide Band Antenna
- B1322WS Chrome B-Coil Wide Band Antenna w/Spring
- BB1322WS Black B-Coil Wide Band Antenna w/Spring

ANT-DS-B1322W 111014

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