



Laird Connectivity'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 AND BENEFITS

- 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)

APPLICATIONS

- Public safety
- Transportation
- Utility
- Military mode

ELECTRICAL SPECIFICATIONS

Operating Frequency (MHz)	132-174 (field-tunable)
VSWR	<2.0:1
Gain (dBi)	2.4
Bandwidth (MHz)	23
Pattern	Omnidirectional
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	100
Polarization	Vertical

MECHANICAL SPECIFICATIONS

Whip length at 132 MHz – cm (inches)	~ 102 (40)
Diameter – mm (inches)	36.7 (1.45)
Weight – kg (lbs.)	0.44 (1.2)
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
Lightning Protection	

ENVIRONMENTAL SPECIFICATIONS

Wind Survival – km/hr (mph)	161 (100)
Material Substance Compliance	RoHS

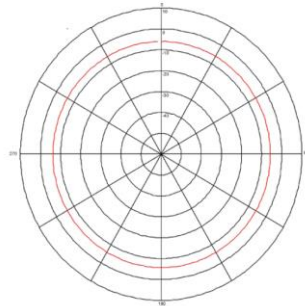
CONFIGURATION

PART NUMBER	DESCRIPTION	CONNECTOR
B1322W	B-coil wide-band antenna (chrome)	1 1/8" 18 thread (NMO) mountable
BB1322W	B-coil wide-band antenna (black)	1 1/8" 18 thread (NMO) mountable
B1322WS	B-coil wide-band antenna (chrome) w/ spring	1 1/8" 18 thread (NMO) mountable
BB1322WS	B-coil wide-band antenna (black) w/ spring	1 1/8" 18 thread (NMO) mountable

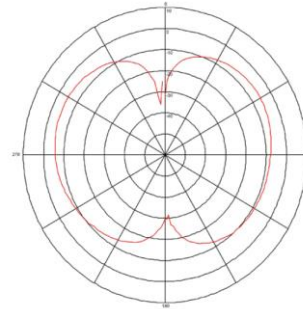
RADIATION PATTERNS

132 MHz

Azimuth

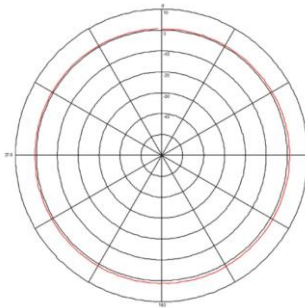


Elevation

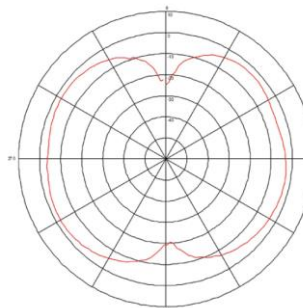


153 MHz

Azimuth

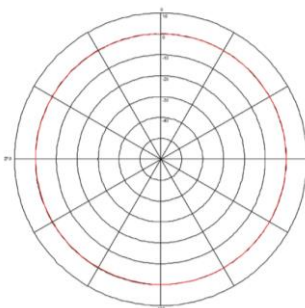


Elevation

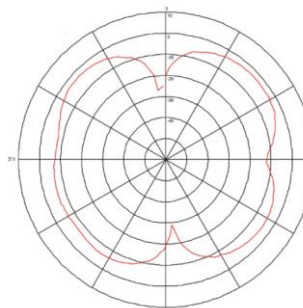


174 MHz

Azimuth



Elevation



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