

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 ROHS

- 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 | |
|--------------------------------------|---|
| Frequency range | 132-174 MHz Field tunable |
| Peak gain | 2.4dB |
| Bandwidth | 23 MHz |
| Pattern | Omnidirectional |
| 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 |

| MECHANICAL | |
|---------------------------|------------------------------|
| Whip length at 132 MHz | Approximately 40" (102cm) |
| Diameter | 1.45" (36.7mm) |
| Weight (mass) | 1.2 lbs |
| Wind speed survivability | 100mph (161kph) |

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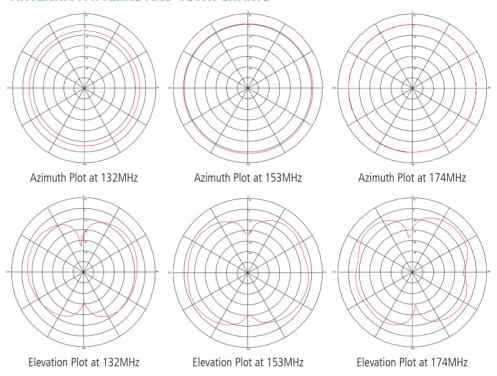
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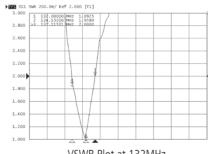


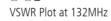
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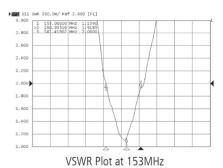
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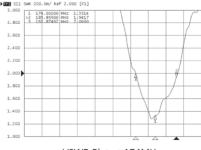
ANTENNA PATTERNS AND VSWR CHARTS











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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