



PREMIUM MOBILE LOAD COIL ANTENNAS ARE INDUSTRY STANDARD

Laird Technologies' 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 Technologies the obvious choice for quality and long lasting value for demanding mobile radio communications.

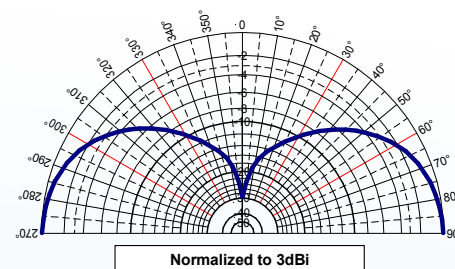
FEATURES

- High performance mobile antenna
- Special UV treated radome, resists sun damage
- Easy installation with optional NMO Mounts
- 100% tested on a network analyzer

MARKETS

- Public safety
- Transportation
- Utility
- Military mobile

ANTENNA PATTERNS



Elevation Pattern

global solutions: local support.™

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SPECIFICATIONS

| ELECTRICAL | |
|---|--|
| Frequency range | 144-174 MHz |
| VSWR | < 2.0:1 Max |
| Nominal gain | 3 dBi |
| Maximum power | 100 W |
| Nominal impedance | 50 Ω |
| Polarization | Vertical |
| Pattern | Omnidirectional |
| Half-power beamwidth (Elevation° x Azimuth°) | 70° x 360° |
| Coaxial cable length & type | None |
| Terminations | NMO |
| Noise suppressor | BlackHawk NS1535 1-35 VOLT, 15 amp Noise suppressor (Sold Separately) |

| MECHANICAL | |
|--|---|
| Color | B1443 - Black with chrome BB1443 - Black BW1443 - White |
| Height | See chart |
| Diameter | 1.45" |
| Weight | < 0.5 lb |
| Rated wind velocity | 125mph (210kph) |
| Rated wind velocity (with 0.5" radial ice) | 85mph (137kph) |
| Lateral thrust @ 125mph wind velocity | 57lbs (26kg) |
| Wind resistance | 0.02 sq. ft. |
| Mounting information (sold separately) | NMO mountable |

B1443 CUTTING CHART

| FREQUENCY | WHIP LENGTH | FREQUENCY | WHIP LENGTH |
|-----------|-------------|-----------|-------------|
| 144 MHz | 48-1/8" | 162 MHz | 40-1/2" |
| 146 MHz | 47-1/4" | 144 MHz | 48-1/8" |
| 148 MHz | 46-3/8" | 146 MHz | 47-1/4" |
| 150 MHz | 45-1/2" | 156 MHz | 16" |
| 152 MHz | 44-7/8" | 158 MHz | 15-5/8" |
| 154 MHz | 43-3/4" | 160 MHz | 15-3/8" |
| 156 MHz | 42-7/8" | 162 MHz | 15" |
| 158 MHz | 42-1/8" | 164 MHz | 14-7/8" |
| 160 MHz | 41-1/4" | | |

ANT-DS-B1443 1009

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