



LAIRD TECHNOLOGIES RELEASES NEW FULL-SPECTRUM MULTI-BAND ANTENNA

The multi-band mobile antenna is a commercial, heavy duty vehicular antenna. It has an omnidirectional pattern and is vertically polarized with a 50Ω match. It also has excellent quality & RF performance, and is specifically designed as a full spectrum public safety voice & data communications antenna.

FEATURES

- Frequency range: 136-174/380-520/760-870 MHz
- Avg VSWR: <2:1 at center
- Gain: 3,6,6 dBi
- Omnidirectional, vertically polarized
- Power: 100W (max, PTT = 30 minutes)
- Dimensions: 2.5" Round Base, 20" tall
- Radome material: high impact PC/ABS
- Textured Finish
- IP66 rated
- Heavy duty chrome plated ferrule, 17-7 ph stainless steel tempered antenna whips, spring-loaded gold plated contact, and stainless steel antenna rod spring.
- NMO Style Mount

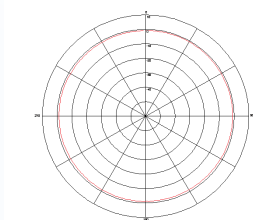
BENEFITS

- Heavy duty design
- Injection molded housing and base
- No base radiators (all enclosed coils)
- Solid brass chrome plated ferrule's with dual set screw lock
- Spring included

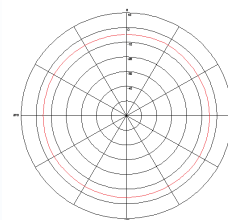
MARKETS OR APPLICATIONS

- General voice/data communications
- VHF (high), UHF, 700/800
- Tetra PMR Public Safety
- Transportation, Utilities, Government, Military, PAMR, Commercial & Industry, Oil & Gas

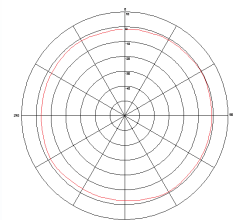
ANTENNA PATTERNS



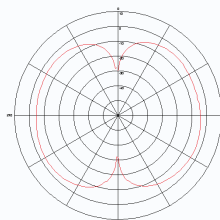
Azimuth Cut, Phi = 0 deg
156 MHz



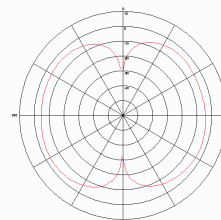
Azimuth Cut, Phi = 0 deg
440 MHz



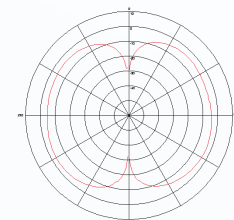
Azimuth Cut, Phi = 0 deg
815 MHz



Elevation Cut, Phi = 90 deg
156 MHz



Elevation Cut, Phi = 90 deg
440 MHz



Elevation Cut, Phi = 90 deg
815 MHz

global solutions: local support™

Americas: +1.847.839.6907
IAS-AmericasEastSales@lairdtech.com

Europe: +1.32.80.7866.12
IAS-EUSales@lairdtech.com

Asia: +1.65.6.243.8022
IAS-AsiaSales@lairdtech.com

www.lairdtech.com

SPECIFICATIONS

PARAMETER	WPD136M6C-001
Pattern	Omni-Directional
Maximum Power	100 W
Nominal Impedance	50 ohm
Polarization	Vertical
VSWR	≤ 2.5:1
Termination	NMO

ANTENNA ELECTRICAL SPECIFICATIONS

FREQUENCY BAND (MHz)	Frequency Range (MHz), (Test Frequency)	PEAK GAIN (dBi), Azimuth Cut, Phi = 0 deg	PEAK GAIN (dBi), Elevation Cut, Phi = 90 deg	ELEVATION BEAMWIDTH AT HALF-POWER	AZIMUTH BEAMWIDTH AT HALF-POWER
136-174 MHz	136, 156, 174	-0.7	0.2	90°	360°
380-520 MHz	380, 440, 520	-3.7	4.8	40°	360°
760-870 MHz	760, 815, 870	3.1	8.1	60°	360°

VHF BAND: 136-174 MHz

PEAK GAIN (DBI)	AZIMUTH PATTERN	ELEVATION PATTERN
136 MHz	-2.4	0.2
146 MHz	-2.7	-1.8
156 MHz	-0.7	-3.1
174 MHz	-3.5	-4.1

UHF BAND: 380-520 MHz

PEAK GAIN (DBI)	AZIMUTH PATTERN	ELEVATION PATTERN
380 MHz	-11.3	6.1
400 MHz	-7	7.7
440 MHz	-4.1	4.8
460 MHz	-3.7	3
500 MHz	-5.5	3.3
520 MHz	-6.6	3.5

UHF BAND: 760-870 MHz

PEAK GAIN (DBI)	AZIMUTH PATTERN	ELEVATION PATTERN
760 MHz	3.1	3.1
815 MHz	-0.2	7.9
870 MHz	-8.8	8.1

IAS-DS-WPD136M6C-001 1010

Any information furnished by Laird Technologies, Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird Technologies materials rests with the end user, since Laird Technologies and its agents cannot be aware of all potential uses. Laird Technologies makes no warranties as to the fitness, merchantability or suitability of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies' Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2010 Laird Technologies, Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Technologies Logo, and other marks are trade marks or registered trade marks of Laird Technologies, Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird Technologies or any third party intellectual property rights.