

REV.	REF.	DESCRIPTION	INPUT BY	DATE
1		Release	G.WOOD	7/9/02



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APPROVALS		ITRONIX CORPORATION S. 801 STEVENS AVE. P.O. BOX 0179 SPOKANE, WA 99210-0179
ORIGINATOR Mike Decker	DATE 6/27/02	PART DESCRIPTION: ANTENNA, DUAL BAND, GPRS, CDMA
ENGINEERING	DATE	
CHECKER	DATE	
MANUFACTURING	DATE	Drawing Number 46-0115-000
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- 1.0 **DESCRIPTION:**
800/900 Mhz, PCS and 2.4 Ghz ISM Low Profile Vertical (MLPV) Antenna
- 2.0 **APPLICABLE DOCUMENTS AND REFERENCES:**
MANUFACTURER'S SPECIFICATION: MaxRad Website:
<http://www.maxrad.com/>
Datasheet: R:\D46\Datasheets\Maxrad_mlpvdb.pdf
- 3.0 **MECHANICAL REQUIREMENTS:**
- 3.1 Height (For Reference Only): 2.5"
- 3.2 Radiator Material: Solid Brass
- 3.3 Mounting (For Reference Only): Compatible with various mobile mounts (consult factory for more information.)
- 3.4 Weight: 0.29 lbs. (0.13kg)
- 3.5 Colors: black or white
- 4.0 **ELECTRICAL REQUIREMENTS:**
- 4.1 VSWR: <1.5:1 and <2:1
- 4.2 Nominal Impedance: 50Ω
- 4.3 Antenna Type: Dual-band low profile vertical
- 4.4 Operating Frequency Range: 806 to 960Mhz and 1710 to 1990MHz
- 4.5 Gain: 3dBi
- 4.7 Maximum Power: 150 W
- 5.0 **ENVIRONMENTAL REQUIREMENTS:**
- 5.1 Temperature: -40°C to +85°C
- 5.2 Humidity: 0% to 100% Relative Humidity
- 6.0 **SAFETY REQUIREMENTS:** N/A
- 7.0 **MARKING REQUIREMENTS:**
The bulk shipping container must bear the Manufacturer's name and part number.
- 8.0 **PACKAGING REQUIREMENTS:**
Packaging of components shall be such that no damage will occur to the component during shipment.
- 9.0 **ACCEPTABILITY REQUIREMENTS:**
These units must meet inspection requirements.

10.0 **MANUFACTURER AND MANUFACTURER'S PART NUMBER:**

See Section 9.0 for a list of parts included.

Part Number	Manufacturer	Manufacturer's Part Number
46-0115-001	MaxRad	BMLPVDB800/1900 WMLPVDB800/1900



MLPVDB800/1900

Figure 1: Antenna Likeness (For Reference Only)