

Antenna Authority, Inc.

DF Antennas Our Specialty!

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PRODUCT SPECIFICATIONS

Product Code --- **DLP-4620A1 MOBILE DF ANTENNA**



Description: An Accurate, Compact Antenna for Mobile Operations

The **DLP-4620A1** Mobile DF Antenna is a combination (UHF & L Band) antenna, consisting of four vertically polarized log periodic elements enclosed in a vacuum formed, ruggedized, compact, lightweight, abrasive-resistant plastic cover with UV protection. The DLP-4620A1 is designed to receive vertically polarized signals in the 600 MHz to 3 GHz frequency range providing accurate and repeatable bearings.

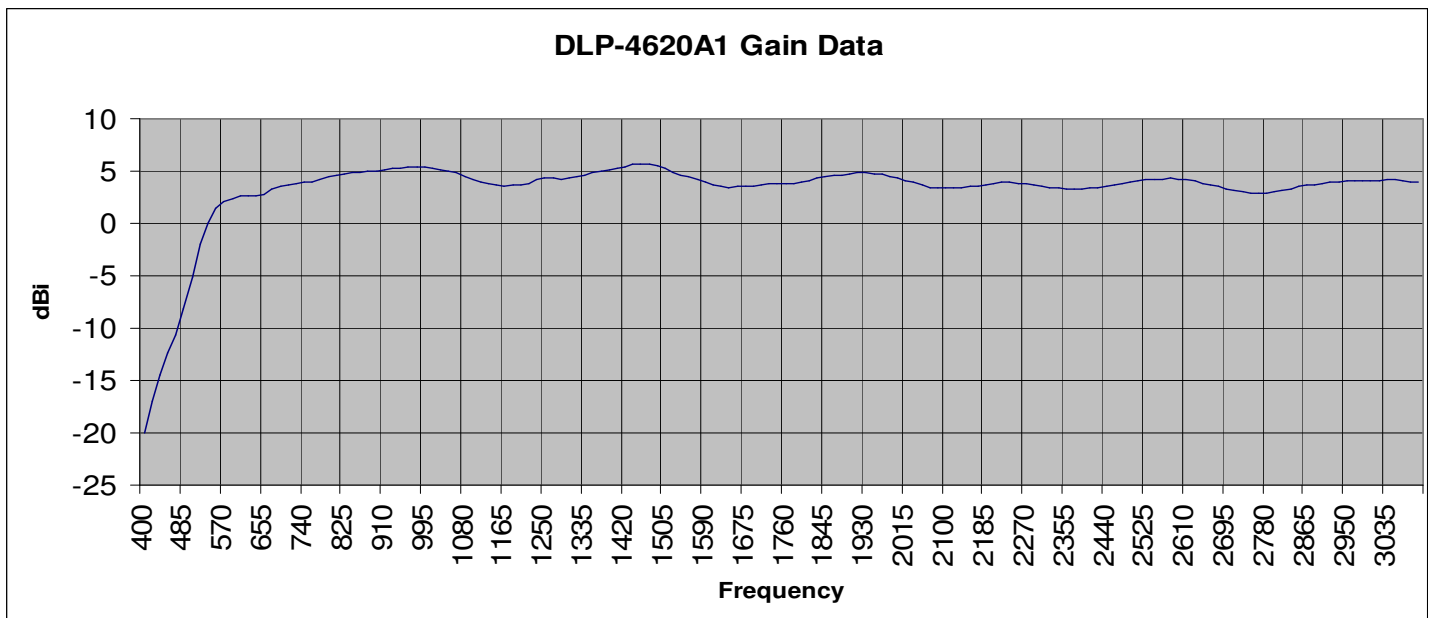
The antenna enclosure is designed to be mounted on a steel vehicle roof. Magnetic mounts are attached to the base to provide stability and facilitate quick and easy vehicle installation. Slots for safety straps are also included.

All power and control signals to the antenna are provided through one 8-conductor control cable via the DF processor. The received signal, with bearing information encoded, is routed to the receiver through a coaxial cable. Control signals are compatible the **DF Processor DFP 1000B** produced by RDF Products of Vancouver, Washington, USA.

Electrical Specifications

Frequency Coverage:	600 MHz - 3.0 GHz
Azimuths Coverage:	360°
DF Technique:	sequential
Antenna:	4-element log-periodic dipole array
Gain:	3 to 5 dBi
Bearing Accuracy:	9° rms
Power:	Voltage: 12 VDC supplied by processor
Polarization:	Vertical
Impedance:	50 ohms nominal
Bands	One
Connectors	TNC, and C091-31C008 100 2

DLP-4620A1 Gain Curves



Mechanical Specifications

Dimensions:	Width: 20.5" (52 cm) x Length : 20.5" (52 cm) x Height: 12" (30 cm)	
Weight:	15 Lbs	
Environments:	Operating: -20°C to +50°C	Storage: -40°C to +70°C
	Humidity:95%	
Material:	Aluminum, FR-4, Foam	
Cover:	White PVC w/UV Protection	

Features

Stable, rugged construction, in a compact and light weight design that works in harsh conditions.

Ordering Information

Antenna: Model No. **DLP-4620A1**

Processor Required: Model No. **DFP 1000B**

Specifications subject to change without notice

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