

Close up view of cable management



Close up view of connector interface

FEATURES:

- Low frequency coverage up to 100 MHz in a single antenna
- Low VSWR
- High gain of 6 dBi over the band
- Very high feed power handling of 5 kW
- Easy construction of detachable elements with spring fasteners
- Compact storage as unit is easily broken into smaller parts

APPLICATIONS:

- Wideband monitoring
- High-power applications

SPECIFICATIONS

Electrical:	
Frequency range	20 – 100 MHz
VSWR	< 2.5:1
Nominal input impedance	50 Ω
Connector	1 5/8" female
Feed power handling	5 kW
MTBF	> 50,000 hrs
Mechanical:	
Gain	6 dBi typical, -2 dBi minimum from 20 – 30 MHz
E-plane 3 dB beamwidth	55°
H-plane 3 dB beamwidth	100°
Polarisation	Adjustable (vertical and horizontal)
Environmental: designed to meet the following specifications	
Temperature (operational)	- 40 °C to +55 °C (no icing)
Wind survival on mast	160 km/h (calculated)

PRODUCT DESCRIPTION:

The high-powered LPDA-A0101 is a directional log-periodic dipole array primarily designed for EW applications. It covers the 20 to 100 MHz frequency range, at 5 kW of power, with 6 dBi of gain, or a 80° to 100° H-plane beamwidth. The polarisation is adjustable between vertical and horizontal without lowering the mast. The antenna breaks into three sections for compact storage, and can be fully erected from packaged by two people in under 30 minutes.

This antenna can be used for reception at frequencies up to 400 MHz with reasonable gain.

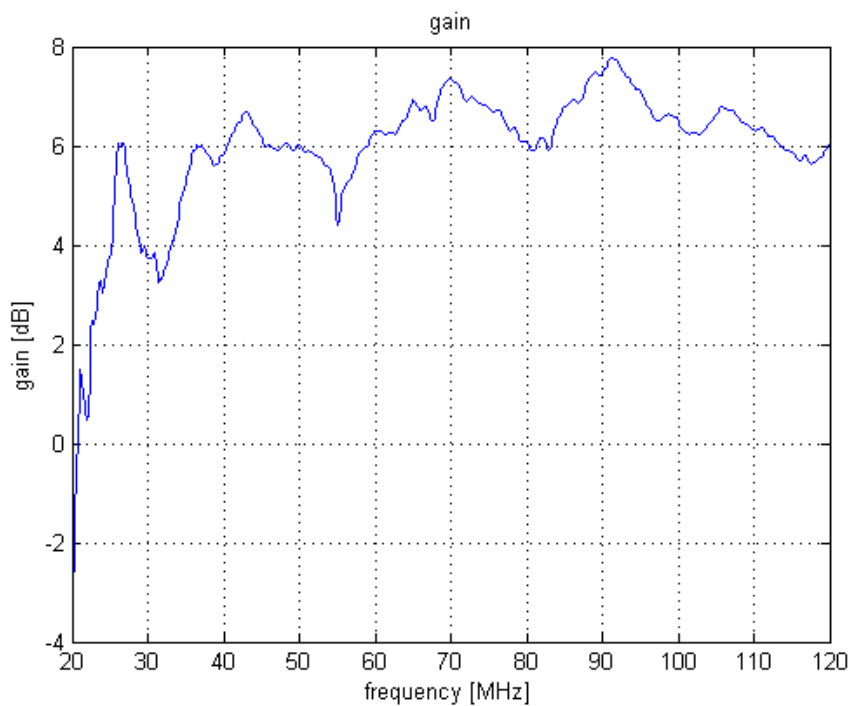
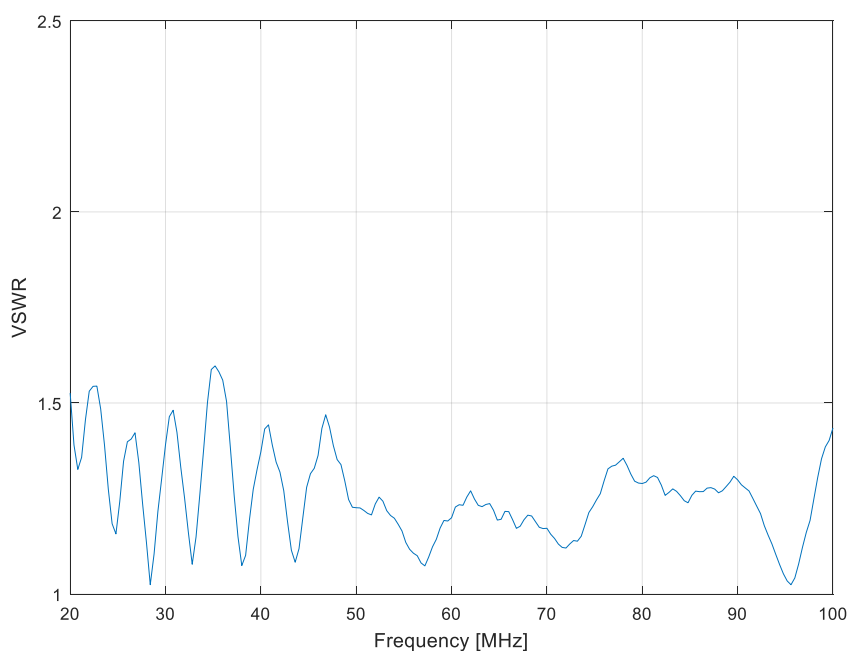
Very High-Power LPDA

20 – 100 MHz

Product Code: LPDA-A0101

VERSION: 1.5

VSWR AND GAIN GRAPHS:



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