

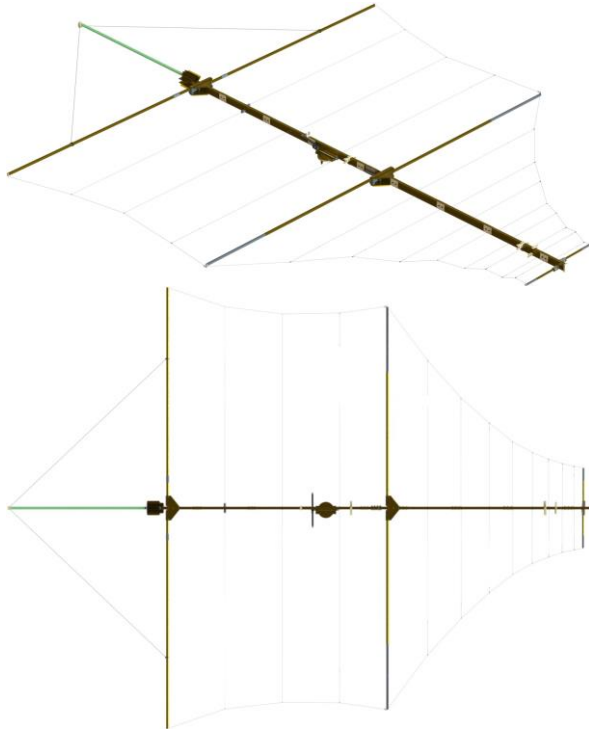
High-Power Wire LPDA Antenna

20 – 100 MHz

Product Code: LPDA-A0098

VERSION: 1.5

SPECIFICATIONS:



| Electrical: | |
|---|--|
| Frequency range | 20 – 100 MHz |
| VSWR | < 2.5:1 |
| Nominal input impedance | 50 Ω |
| Connector | 7/16 female |
| Feed power handling | 1000 W |
| Gain | 6 dBi (typical) |
| E-plane 3 dB beamwidth | 55° |
| H-plane 3 dB beamwidth | 100° |
| Polarisation | Adjustable upon installation |
| Mechanical: | |
| Deployed dimensions (l x h x w) | 8550 mm x 560 mm x 6480 mm |
| Includes tensioning system | |
| Stowing dimensions (l x h x w) | 6530 mm x 560 mm x 560 mm |
| Shipping dimensions (l x h x w) | 3500 mm x 600 mm x 500 mm |
| Total mass | 42 kg (excl. rotating bracket) 44 kg (incl. rotating bracket) |
| Mounting method | Swivel bracket onto a mast |
| Exposed materials | Aluminium, stainless steel and tufnol |
| Environmental: designed to meet the following specifications | |
| Wind survival | 120 km/h |
| Temperature (operational) | -35 °C to 71 °C |



PRODUCT DESCRIPTION:

The LPDA-A0098 is a high powered directional log-periodic dipole array designed for EW applications. It covers the 20 to 100 MHz, at 1 kW of power, with 6 dBi gain, or a 80° to 100° H-plane beamwidth. The polarisation is adjustable between vertical and horizontal without lowering the mast.

The antenna is constructed using a collapsible wire technology. This makes the antenna lightweight and allows for compact storage, quick, easy deployment and mounting. All antenna elements are permanently attached to the boom, to prevent any parts from becoming lost in the field.

Tension is maintained in the elements of the antenna by means of a non-conducting tensions system that is deployed at the back of the antenna. The tension system folds away next to the boom of the antenna during stowage.

PRODUCT FEATURES:

- Quick deployment
- Compact storage
- High gain
- High feed power handling
- Vertical or horizontal polarisation

*U.S. Patent No. 8,698,693 B2

*ZA Patent No. 2011/01866

Updated 2016-09-22



sales@alaris.co.za
www.alarisantennas.com

Alaris Antennas has a policy of continuous improvement and hence specifications may change without notice

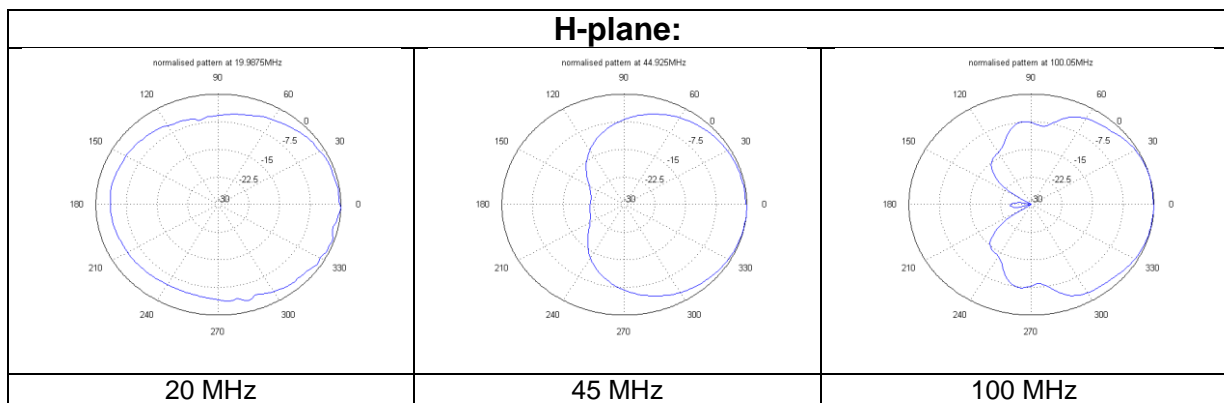
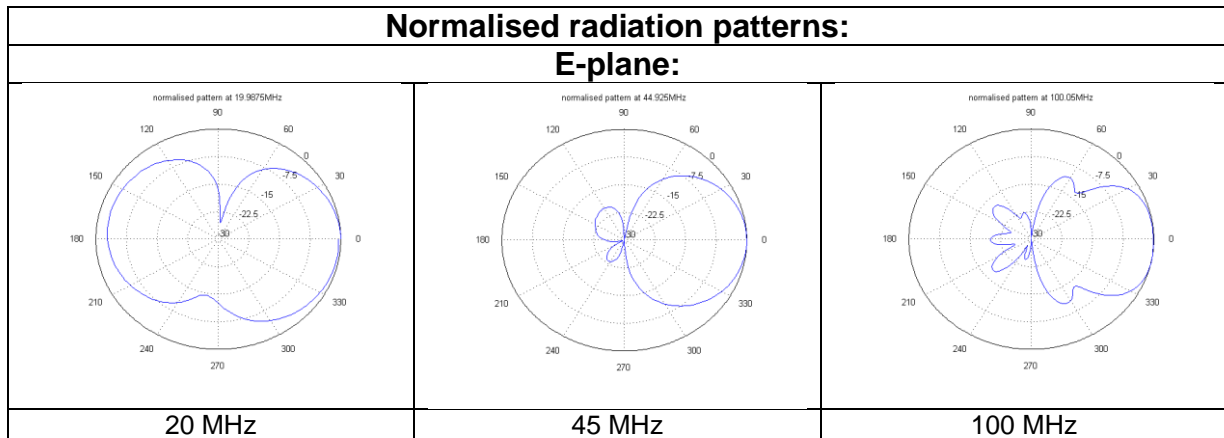
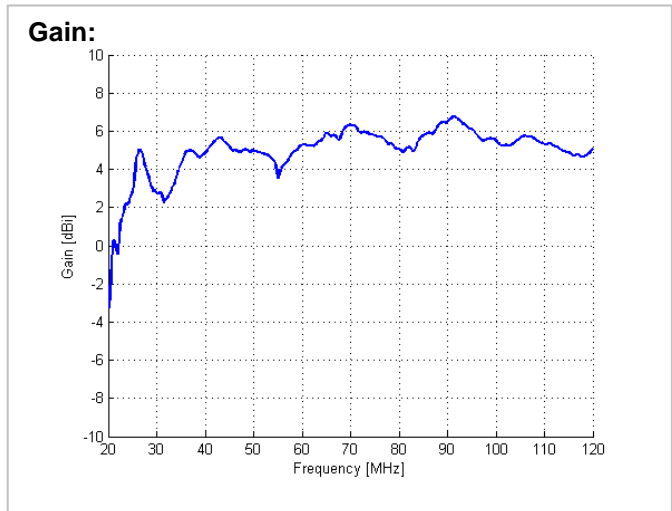
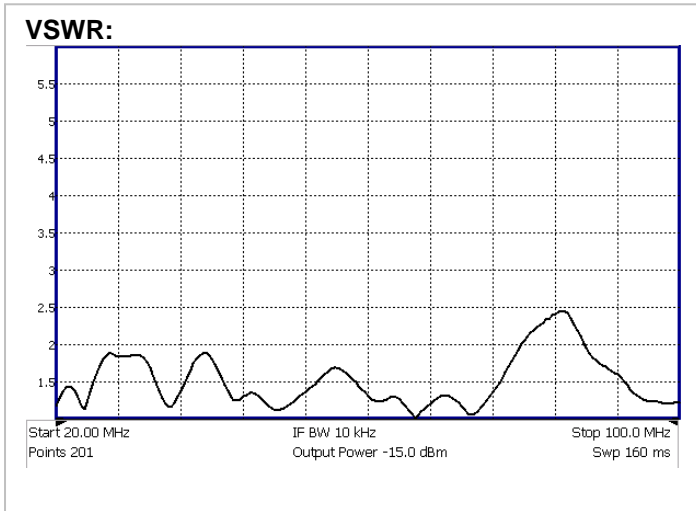
**GAIN THE
ADVANTAGE**

High-Power Wire LPDA Antenna

20 – 100 MHz

Product Code: LPDA-A0098

VERSION: 1.5



High-Power Wire LPDA Antenna

20 – 100 MHz

Product Code: LPDA-A0098

VERSION: 1.5

Top view of the LPDA-A0098:

