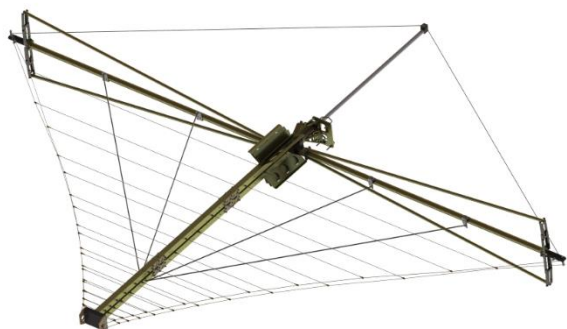


# Wideband Wire LPDA Antenna

30 – 500 MHz

VERSION: 1.6

Product Code: LPDA-A0097



## PRODUCT FEATURES:

- Quick deployment
- Lightweight
- Quick deployable
- Compact storage
- Wideband
- Low and stable VSWR
- Vertical or horizontal polarisation

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

\*ZA Patent No. 2011/01866

## SPECIFICATIONS:

| <b>Electrical:</b>  |  |
|---|--|
| Frequency range   | 30 – 500 MHz   |
| VSWR  | < 2.5:1  |
| Nominal input impedance   | 50 Ω   |
| Connector   | N-type female  |
| Feed power handling   | 200 W  |
| Gain  | See gain graph   |
| Polarisation  | Linear, vertical or horizontal   |
| <b>Mechanical:</b>  |  |
| Dimensions  | Length: 1875 mm (excluding tension system)<br>Height: 3550 mm<br>Width: 420 mm |
| Packed dimensions (l x h x w)                                       | 1910 mm x 200 mm x 210 mm  |
| Total mass  | < 11 kg  |
| Mounting method   | Bracket attached with U-bolts to mast.   |
| <b>Environmental: designed to meet the following specifications</b> |  |
| Wind survival   | 100 km/h   |
| Temperature (operational)   | -35 °C to 71 °C  |
| Temperature (storage)   | -35 °C to 71 °C  |
| Exposed materials   | Aluminium, stainless steel and tufnol  |

## PRODUCT DESCRIPTION:

The LPDA-A0097 is medium-gain wideband directional LPDA antenna and covers the frequency band from 30 MHz to 500 MHz.

This antenna is constructed using a unique wire technology. This makes the antenna lightweight and allows for very compact storage, quick, easy deployment and mounting. The flexible nature of this antenna makes it very easy to collapse the antenna and break off any accumulated ice.

All antenna elements are permanently attached to the boom, to prevent any parts from becoming lost in the field.

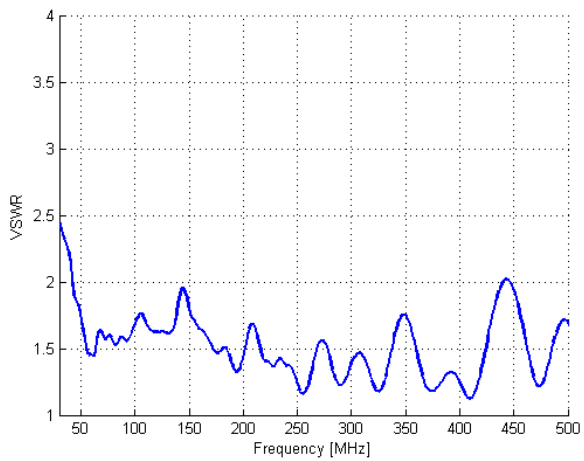
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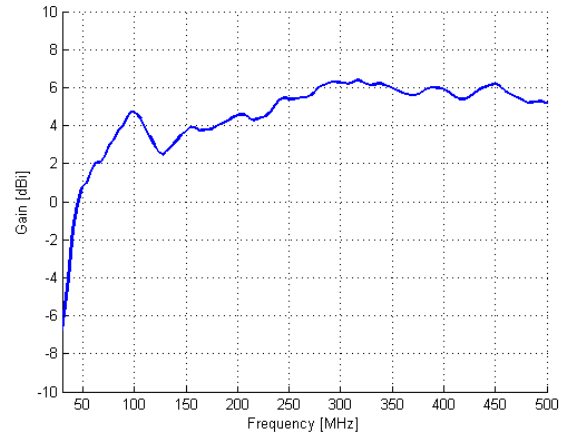
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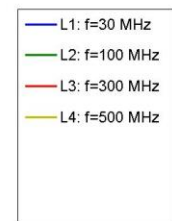
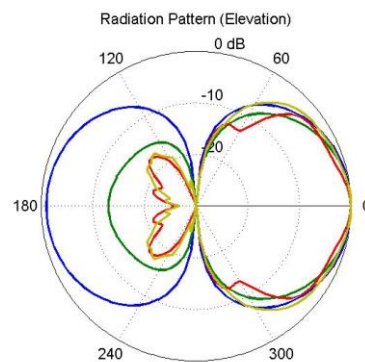
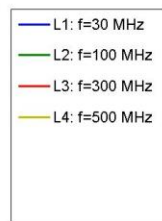
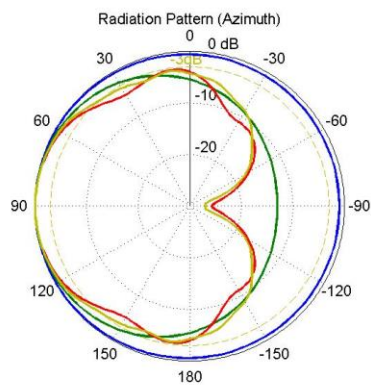
Measured VSWR:



Measured gain:



Radiation patterns:



Folding mechanism photos:

