

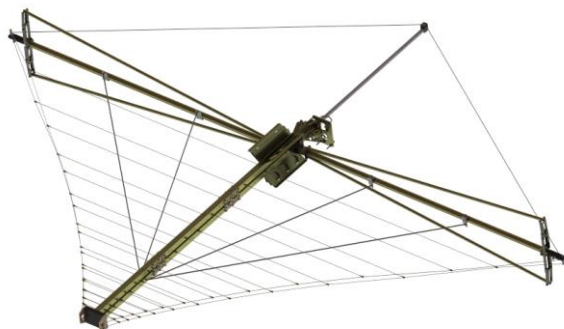
Wideband Wire LPDA Antenna

30 – 500 MHz

Product Code: LPDA-A0097

VERSION: 1.4

SPECIFICATIONS:



Electrical:	
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
Mechanical:	
Dimensions	Length: 1875 mm (excluding tension system) Height: 3550 mm 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.
Environmental: designed to meet the following specifications	
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.

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

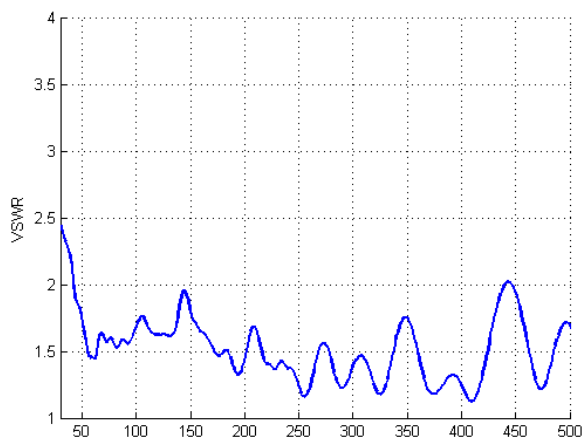
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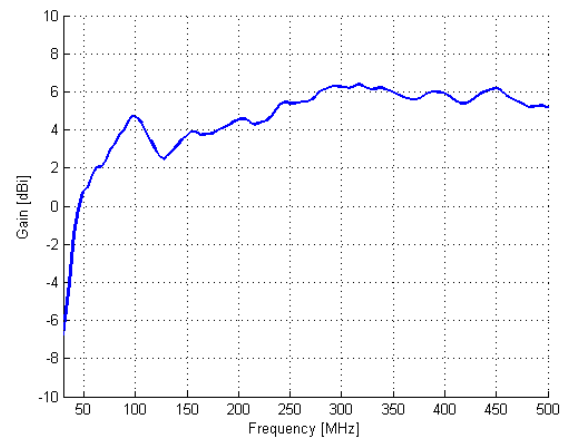
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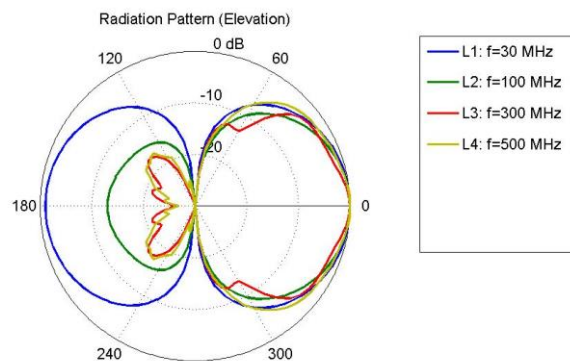
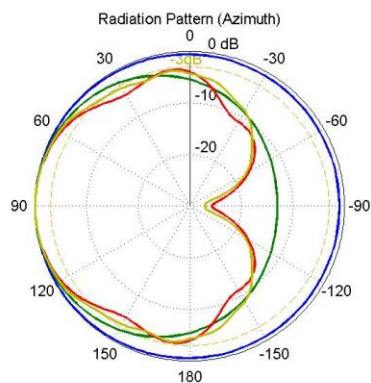
Measured VSWR:



Measured gain:



Radiation patterns:



Folding mechanism photos:

