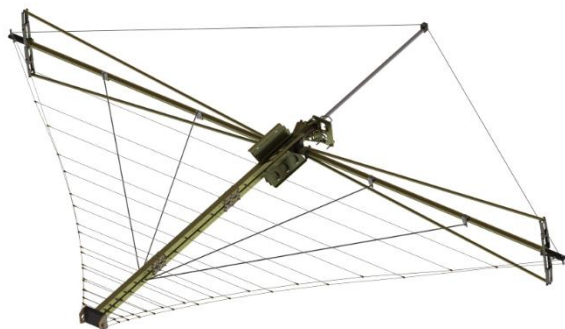


Wideband Wire LPDA Antenna

30 – 500 MHz

Product Code: LPDA-A0100

VERSION: 1.7



SPECIFICATIONS:

Electrical:	
Frequency range	30 – 500 MHz
VSWR	< 2.5:1
Nominal input impedance	50 Ω
Connector	7/16 female
Feed power handling	1000 W
Gain	See gain graph
Polarisation	Linear, vertical or horizontal
Mechanical:	
Dimensions	Length excluding tension system: 1900 mm Length including tension system: 2900 mm Height: 3550 mm Width: 420 mm
Packed dimensions (l x h x w)	1870 mm x 180 mm x 270 mm
Total mass	< 15 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 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

PRODUCT DESCRIPTION:

The LPDA-A0100 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.

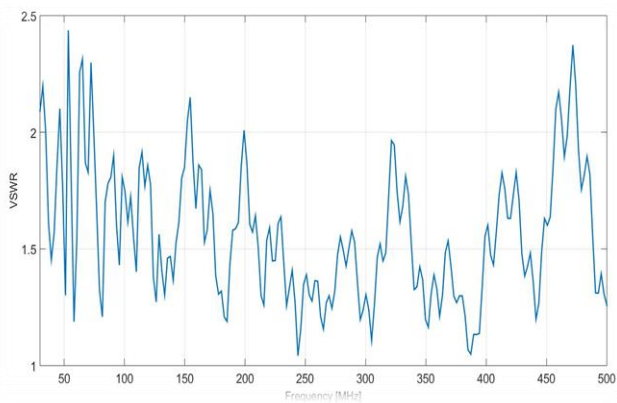
Wideband Wire LPDA Antenna

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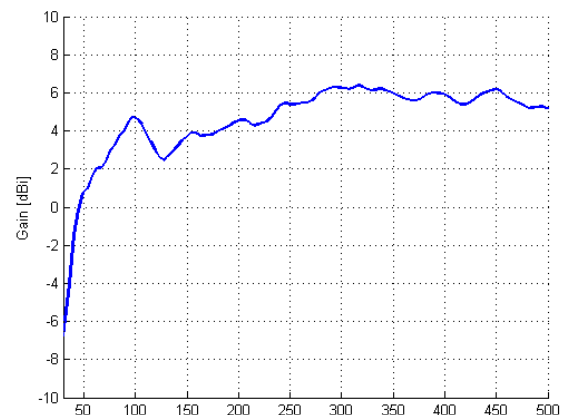
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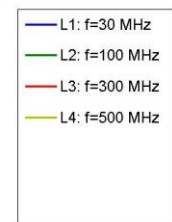
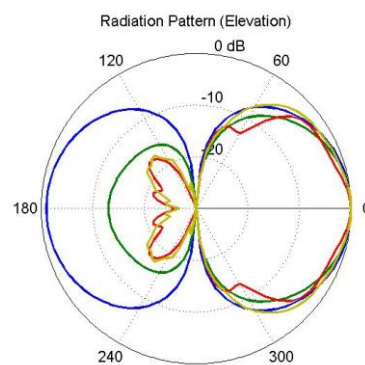
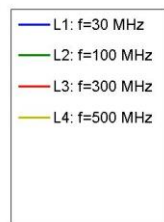
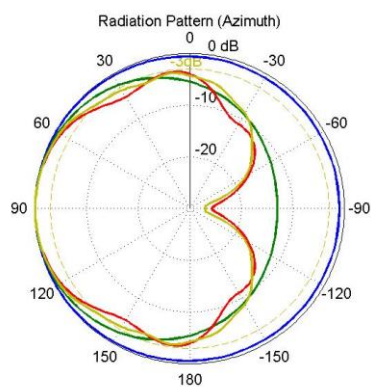
Measured VSWR:



Measured gain:



Radiation patterns:



Folding mechanism photos:

