

Wideband Foldable LPDA Antenna

30 – 512 MHz

Product Code: LPDA-A0154

VERSION: 1.0

SPECIFICATIONS:

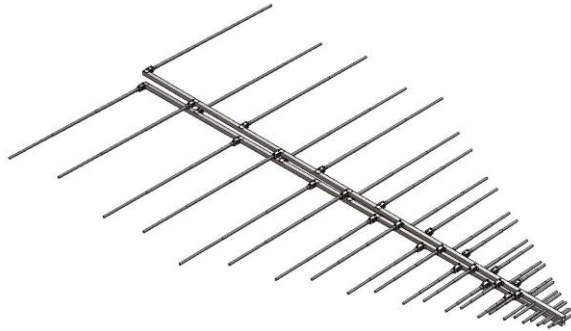


Figure 1: Antenna in deployed configuration



Figure 2: Antenna in stowed configuration

PRODUCT FEATURES:

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

Electrical:	
Frequency range	30 – 512 MHz
VSWR	< 2.5:1
Nominal input impedance	50 Ω
Connector	7/16 female
Feed power handling	1000 W
Gain	See gain graph
Polarisation	Adjustable (vertical or horizontal)
Mechanical:	
Dimensions (deployed)	4700 mm x 185 mm x 3050 mm
Dimensions (stowed)	4700 mm x 185 mm x 590 mm
Total mass	< 25 kg excluding isolating pole < 40 kg including isolating pole
Mounting method	On a swivel bracket fitted to the mast (requires isolation pole to change polarisation which is standard issue)
Environmental: designed to meet the following specifications	
Wind survival	120 km/h
Temperature (operational)	-35 °C to 71 °C
Temperature (storage)	-35 °C to 71 °C
Exposed materials	Aluminium, stainless steel

PRODUCT DESCRIPTION:

The LPDA-A0154 is medium-gain wideband directional LPDA antenna and covers the frequency band from 30 MHz to 512 MHz.

This antenna has foldable elements which makes the antenna easy to stow and deploy. There are no loose parts and no tools required to deploy the antenna. This makes the antenna ideal for tactical applications as well as for use in harsh environments and installations where there is limited space for operators to manoeuvre.

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

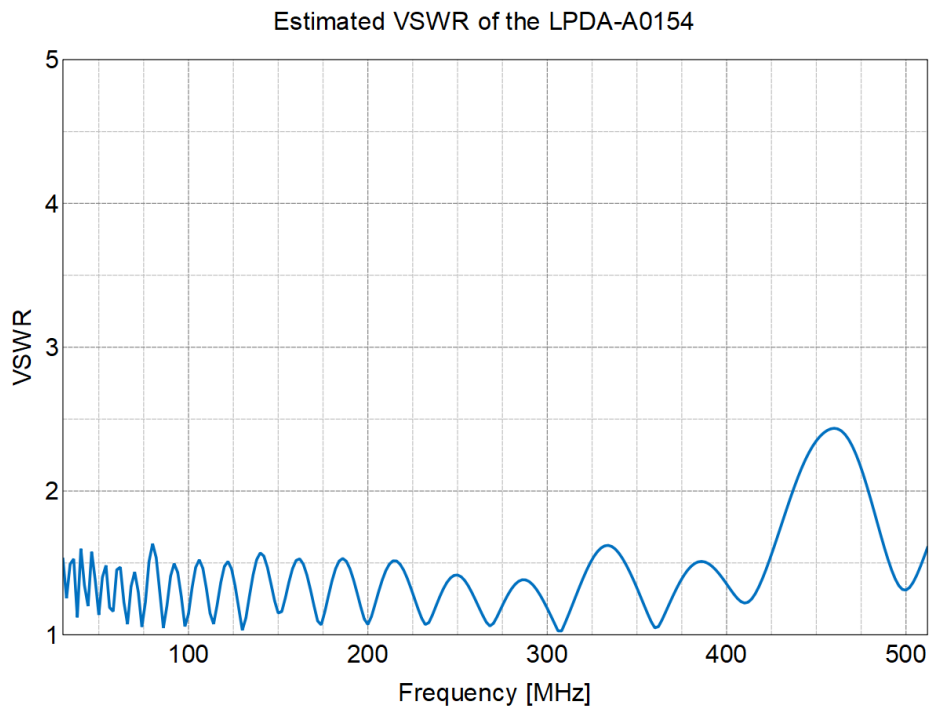
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VSWR:



Gain:

