

# Wideband Log Periodic Dipole Array

80 – 2000 MHz

Product Code: LPDA-A0111

VERSION: 1.2

## SPECIFICATIONS:

Frequency range	80 – 2000 MHz
VSWR	< 2.5:1
Feed power handling	300 W
Nominal input impedance	50 $\Omega$
Connector	N-type female
Gain	> 8 dBi (typically)
E-plane 3 dB beamwidth	60°
H-plane 3 dB beamwidth	110°
Polarisation	Linear (vertical or horizontal)
<b>Mechanical:</b>	
Dimensions (l x w)	2200 mm x 2000 mm
Weight	8.5 kg including bracket, 6.0 excluding bracket
Material	Aluminium, stainless steel and Tufnol
Mounting method	On a bracket fitted to a mast
<b>Environmental: designed to meet the following specifications</b>	
Wind survival	160 km/h
Temperature operational	- 20 °C to + 55 °C



\*Mast not included

## PRODUCT FEATURES:

- High gain
- Low and stable VSWR
- Vertical or horizontal polarisation
- Wide frequency range
- Easy to assemble
- Elements fit neatly into a carry bag
- Stylish and rugged design
- Balanced feed point

## PRODUCT DESCRIPTION:

The LPDA-A0111 is a general purpose wideband transmitting and receiving 80 MHz to 2 GHz log-periodic dipole array (LPDA) antenna. It can be used as a spectrum monitoring antenna. It is also used for EMC emission and susceptibility testing.

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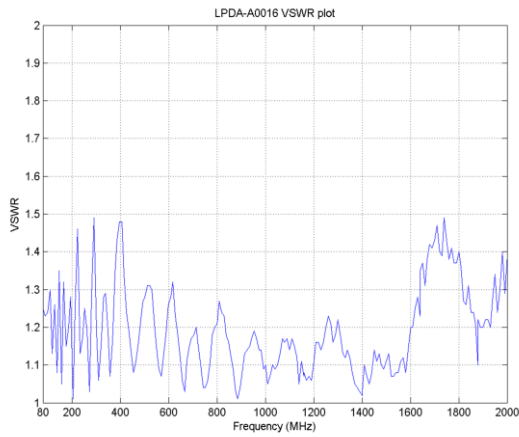
80 – 2000 MHz

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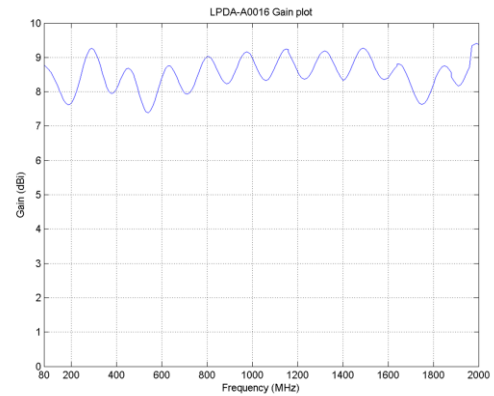
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## VSWR, GAIN GRAPHS AND RADIATION PATTERNS:

### VSWR:

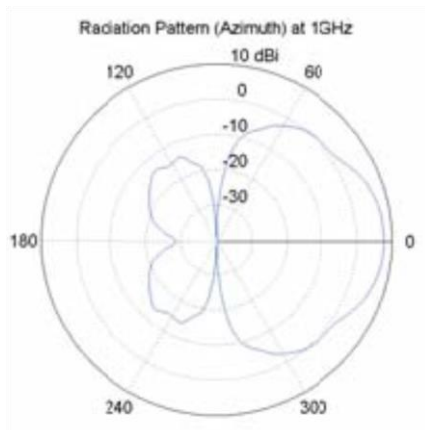


### Gain:

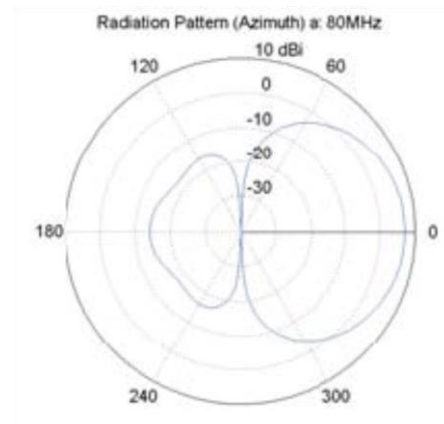


### Radiation patterns:

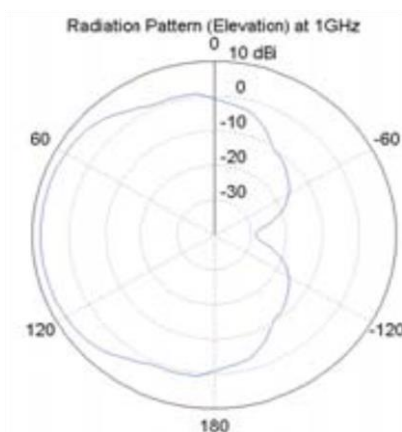
#### E-plane:



#### E-plane:



#### H-plane:



#### H-plane:

