

# Wideband LPDA Antenna

100 – 3000 MHz

Product Code: LPDA-A0110

VERSION: 1.2

## SPECIFICATIONS:



\* Mast not included

<b>Electrical:</b>	
Frequency range	100 – 3000 MHz
VSWR	< 2.5:1
Nominal input impedance	50 Ω
Connector	7/16 female
Feed power handling	500 W
Gain on horizon	6 dBi typical
E-plane 3 dB beamwidth	60°
H-plane 3 dB beamwidth	110°
Polarisation	Adjustable (vertical and horizontal)
<b>Mechanical:</b>	
Dimensions (l x w)	1900 mm x 1600 mm
Material	Aluminium, stainless steel, fibreglass
Mounting method	On a bracket fitted to a mast
<b>Environmental: designed to meet the following specifications</b>	
Temperature (operational)	- 30 °C to +65 °C
Wind survival on mast	160 km/h (calculated)
Water and dust resistance	IP 65

## FEATURES:

- Low VSWR and high gain
- High feed power handling
- Vertical and horizontal polarisation
- Easy to assemble and disassemble
- Rugged construction

## MECHANICAL FEATURES:

- Rugged
- Quick assembly time: under 10 minutes for two people
- Compact packaging

## APPLICATIONS:

- Wideband monitoring
- High-power applications

## PRODUCT DESCRIPTION:

The LPDA-A0110 is a directional log-periodic dipole array that covers the 100 to 3000 MHz frequency band.

High-powered unit of 500 W of power up to 1000 MHz with a typical gain of 6 dBi over 90% of the band.

This antenna can be customized for various frequencies within this frequency band with excellent gain, VSWR and high-power handling.

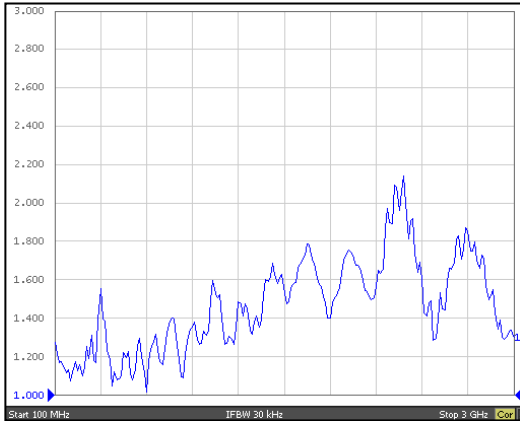
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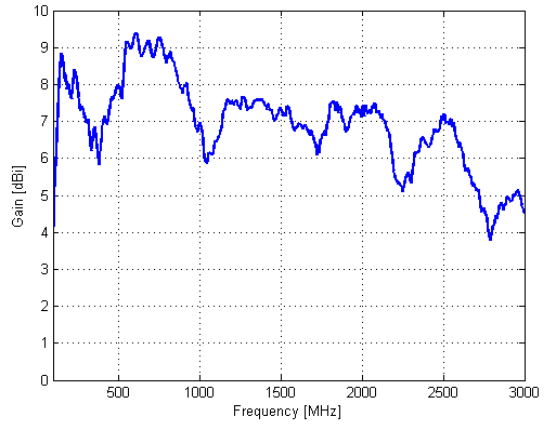
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## VSWR:

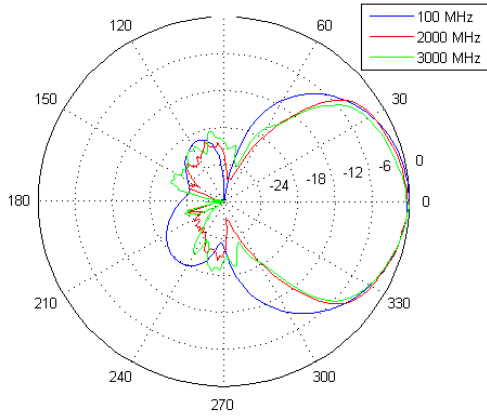


## Gain:



## PATTERNS:

### E-plane:



### H-plane:

