

# Wideband LPDA Antenna

800 – 6000 MHz

Product Code: LPDA-A0123



## SPECIFICATIONS:

<b>Product code:</b>	
LPDA-A0123	7/16 (f) connector
LPDA-A0123-01	N-type (f) connector
<b>Electrical:</b>	
Frequency range	800 – 6000 MHz
VSWR	< 2.0:1
Nominal input impedance	50 $\Omega$
Feed power handling	See graph below
Gain	> 10 dBi typical
Polarisation	Linear (vertical and horizontal)
<b>Mechanical:</b>	
Dimensions (d x l)	203 mm x 1000 mm including bracket
Weight	6 kg (including mounting bracket)
Material	Stainless steel, plastic and fibreglass
MTBF	75000 hours
<b>Environmental: designed to meet the following specifications</b>	
Wind survival	160 km/h calculated
Temperature (operational)	-30 °C to +65 °C (no icing)
Water and dust resistance	IP65

## ELECTRICAL FEATURES:

- High feed power handling of 100 W @ 6 GHz
- Low VSWR
- High gain over the band
- Rugged design

## APPLICATIONS:

- Wideband monitoring
- High-power transmissions

## PRODUCT DESCRIPTION

This LPDA is a directional log-periodic dipole array that is primarily designed for high-powered transmit applications. It covers the frequency band of 800 to 6000 MHz at 100 W of power @ 6 GHz, with a typical gain of 10 dBi.

The antenna is easily mounted at the rear for either vertical or horizontal polarisation.

This antenna can be customised if required, for different frequency ranges.

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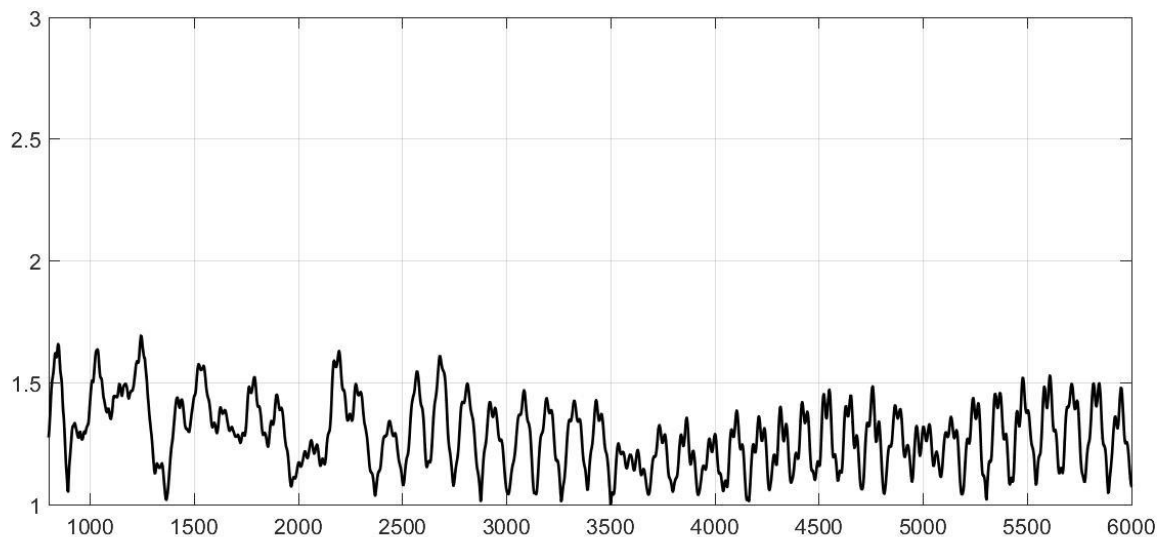
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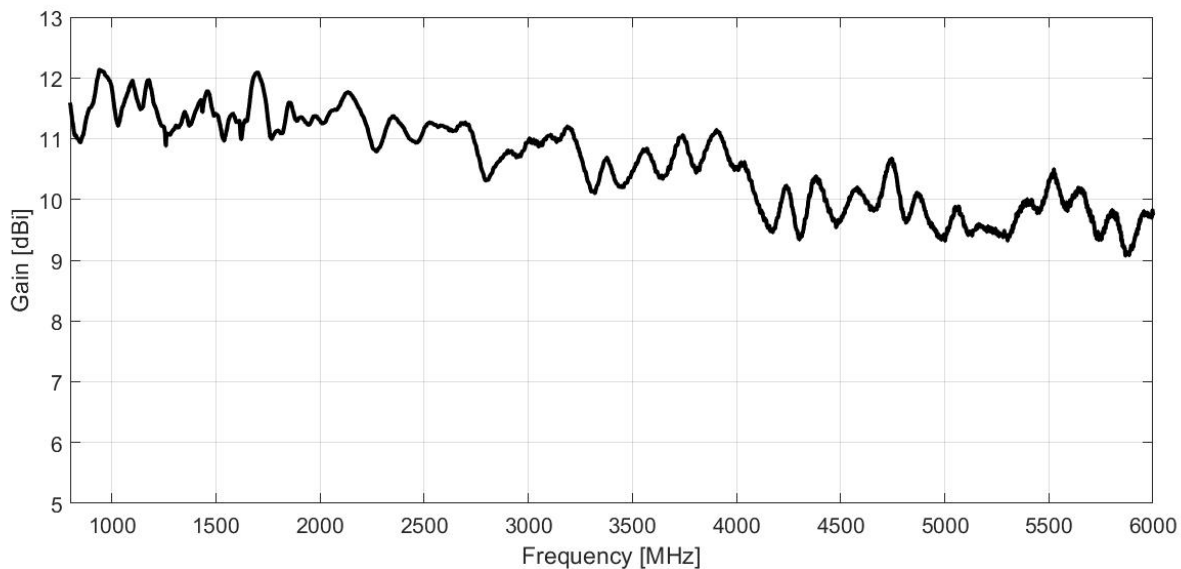
VERSION: 1.4

## VSWR AND GAIN GRAPHS:

### MEASURED VSWR:



### MEASURED GAIN:



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## POWER HANDLING:

