

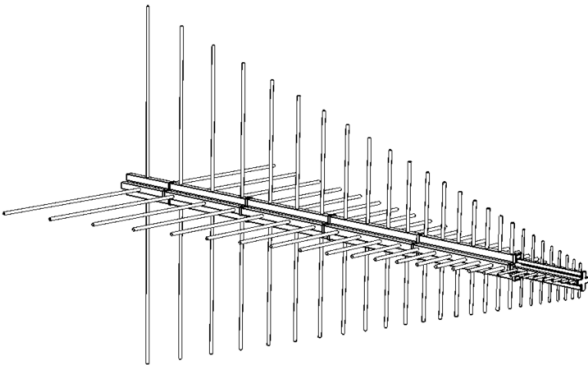
# Dual-Polarised LPDA Antenna

100 – 3000 MHz

Product Code: LPDA-A0108

## SPECIFICATIONS:

<b>Electrical:</b>	
Frequency range	100 – 3000 MHz
VSWR	< 2.5:1
Nominal input impedance	50 $\Omega$ nominal
Isolation	> 20 dB
Feed power handling	500 W @ 100 MHz 100 W @ 3000 MHz
Front-to-back ratio	> 20 dB
Gain	> 6 dBi over 95% of the frequency band
E-plane 3 dB beamwidth	76° typical
H-plane 3 dB beamwidth	120° typical
Polarisation	Dual linear
Connectors	2 x 7/16 female (one for each polarisation)
MTBF	50,000 hours
<b>Mechanical:</b>	
Dimensions (l x w x h)	2100 mm x 1600 mm x 1600 mm
Material	Aluminium, stainless steel, fibreglass
Total mass	< 18 kg (including mounting bracket)
<b>Environmental: designed to meet the following specifications</b>	
Wind survival	160 km/h (calculated)
Qualification	Designed to comply with applicable parts of MIL-STD-810
Temperature (operational)	-40 °C to + 70 °C



## PRODUCT DESCRIPTION:

The LPDA-A0108 is a dual polarised, high-powered, 500 W, directional log-periodic dipole array that covers the 100 to 3000 MHz frequency band.

The antenna is supplied with its centre mounting bracket.

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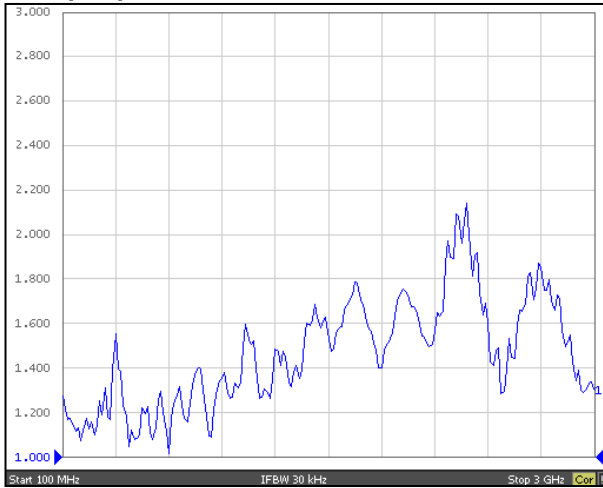
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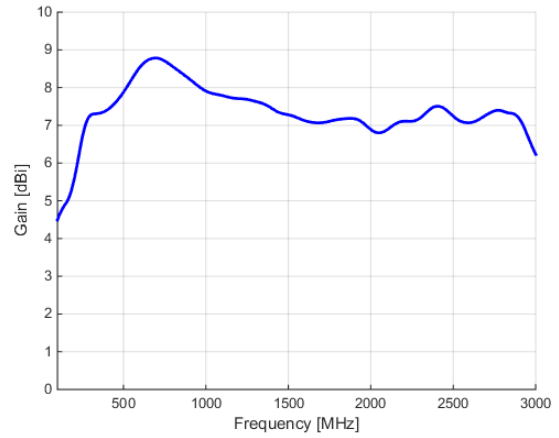
VERSION: 1.2

**VSWR and Gain:**

**VSWR per port:**

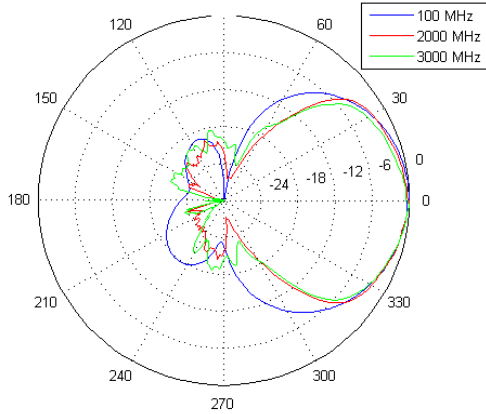


**Gain per port:**



**Patterns for both polarisations:**

**E-plane:**



**H-plane:**

