

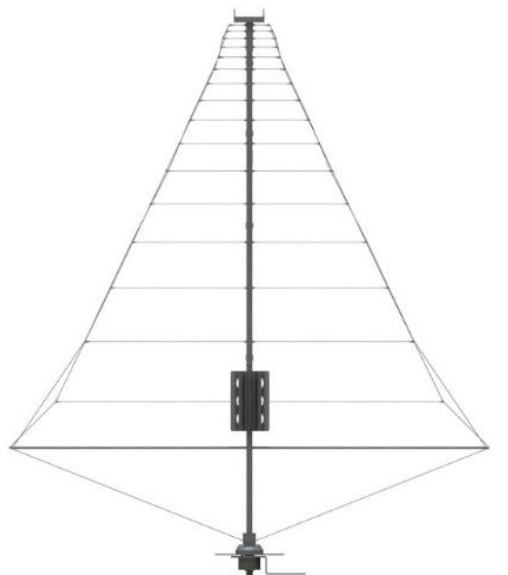
100 – 500 MHz

VERSION: 1.8

Product Code: LPDA-A0094

SPECIFICATIONS:

Product versions:		
LPDA-A0094	High-power product, 1000 W uses a 7/16 (f) connector	
LPDA-A0094-01	Low-power product, 500 W uses an N-type (f) connector	
Electrical:		
Frequency range	100 – 500 MHz	
VSWR	< 2.5:1	
Nominal input impedance	50 Ω	
Gain on horizon	6 dBi typical	
Elevation 3 dB beamwidth	60°	
Azimuth 3 dB beamwidth	110°	
Polarisation	Linear, adjustable vertical and horizontal	
	LPDA-A0094	LPDA-A0094-01
Connectors	7/16 (f)	N-type (f)
Feed power handling	1000 W	500 W
Mechanical:		
Dimensions	Length: 2450 mm excl. mounting Width: 1800 mm Height: 200 mm	
Packed dimensions	Length: 2450 mm excl. mounting Width: 200 mm Height: 200 mm	
Total mass	12 kg	
Material	Aluminium, fibreglass, stainless steel wire	
Mounting method	Swivel bracket attached with U-bolts to mast. Quick removal system	
Environmental: designed to meet the following specifications		
Wind survival	120 km/h (without ice)	
Temperature range	-30 °C (no icing) to +71 °C	



PRODUCT DESCRIPTION:

The LPDA-A0094 is a directional log-periodic dipole array that covers the frequency band 100 to 500 MHz up to 1 kW of feed power with a typical gain of 6 dBi.

Polarisation is adjustable between vertical and horizontal via the mounting bracket.

The wire construction of this antenna makes it lightweight and allows for very compact storage. It is easy to collapse the antenna and break off any accumulated ice.

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

PRODUCT FEATURES:

- Low VSWR and high gain over the frequency band
- High feed power handling up to 1 kW
- Vertical and horizontal polarisation
- Quick deployment
- Compact storage

*U.S. Patent No. 8,698,693 B2

*ZA Patent No. 2011/01866

High-Power Wire LPDA

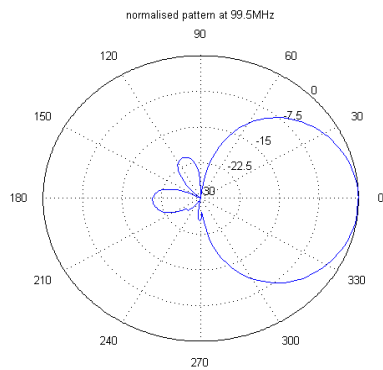
100 – 500 MHz

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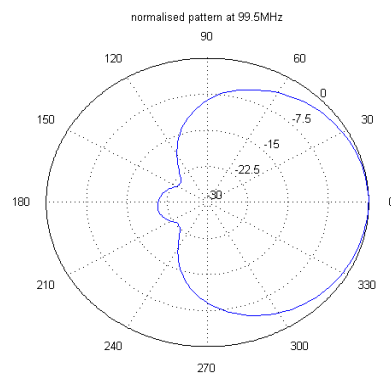
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E-PLANE PATTERN:

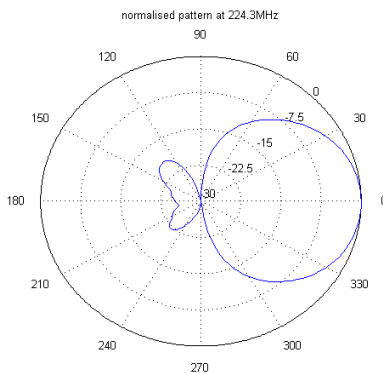
H-PLANE PATTERN:



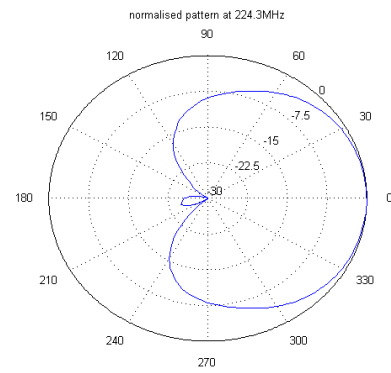
100 MHz



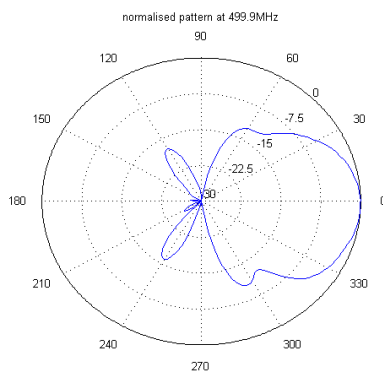
100 MHz



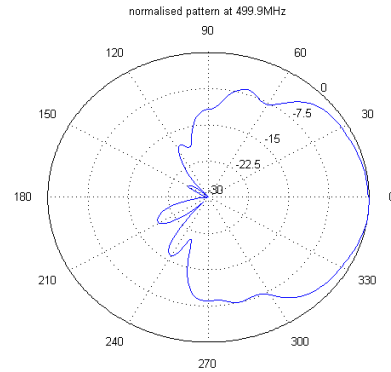
224 MHz



224 MHz



500 MHz



500 MHz

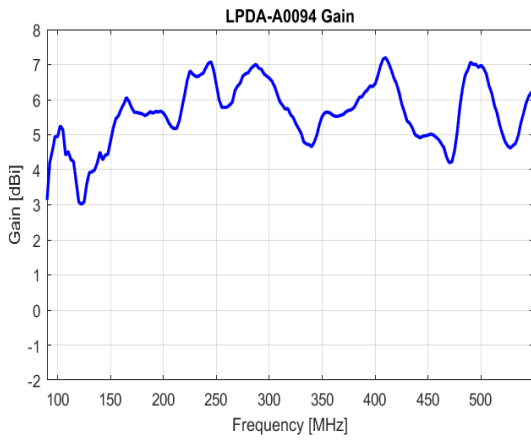
High-Power Wire LPDA

100 – 500 MHz

Product Code: LPDA-A0094

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GAIN:



VSWR:

