

High-Power Wire LPDA Model no.: SRFS- LPDA-A0094

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. Polarization 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.



Product Features

- Low VSWR and high gain over the frequency band
- High feed power handling of 1 kW
- Vertical and horizontal polarization
- Easy to assemble and disassemble
- Rugged construction

Electrical Specifications

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°	
Polarization	Linear, adjustable vertical and	
MTBF	50,000 hrs	
Connectors	7/16 (f)	N-type (f)
Feed power handling	1000 W	500 W

Mechanical Specifications

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	
Material	Aluminum, fiberglass, stainless steel wire	
Mounting Method	Swivel bracket attached with U-bolts to mast. Quick removal system	

Environmental Specifications

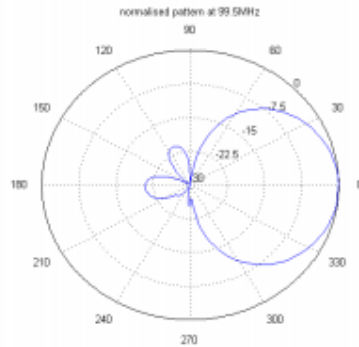
Wind survival	120 km/h (calculated)
Temperature operational	- 30 °C (no icing) to + 71 °C

SRFS TELEINFRA

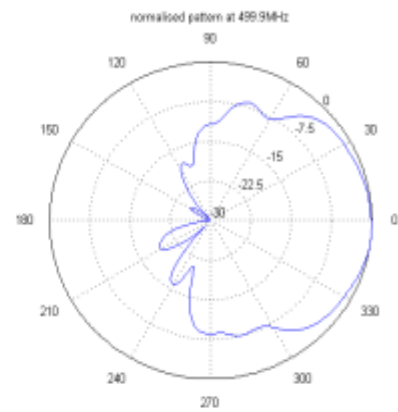
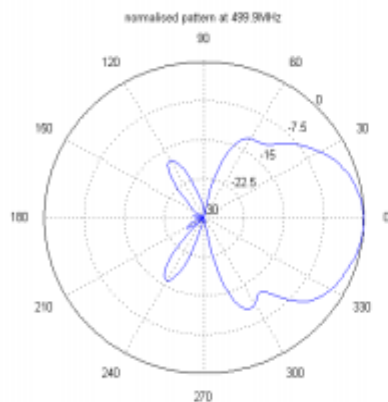
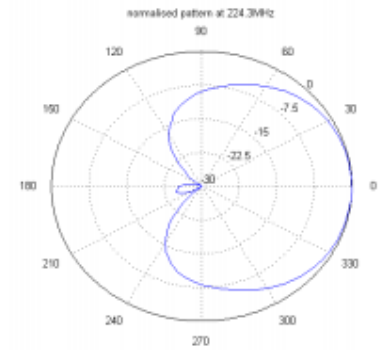
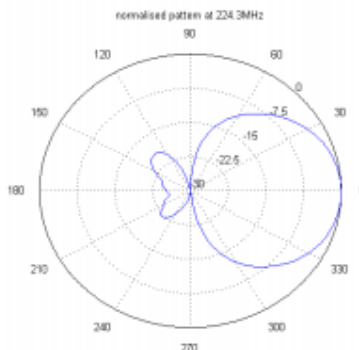
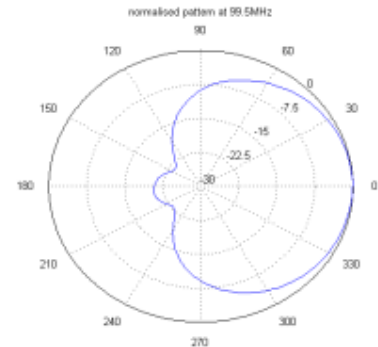


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E-PLANE PATTERN:



H-PLANE PATTERN:



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