

## High-Power Wire LPDA Antenna Model no.:SRFS-LPDA-A0098

### Product Description

The LPDA-A0098 is a high powered directional log-periodic dipole array designed for EW applications. It covers the 20 to 100 MHz, at 1 kW of power, with 6 dBi gain, or a 80° to 100° H-plane beamwidth. The polarization is adjustable between vertical and horizontal without lowering the mast.

The antenna is constructed using a collapsible wire technology. This makes the antenna lightweight and allows for compact storage, quick, easy deployment and mounting. All antenna elements are permanently attached to the boom, to prevent any parts from becoming lost in the field.

Tension is maintained in the elements of the antenna by means of a non-conducting tensions system that is deployed at the back of the antenna. The tension system folds away next to the boom of the antenna during stowage.

### PRODUCT FEATURES:

- Quick deployment
- Compact storage
- High gain
- High feed power handling
- Vertical or horizontal polarization

Electrical Specifications	
Frequency range	20 – 100 MHz
VSWR	< 2.5:1
Nominal input impedance	50 Ω
Connector	7/16 female
Feed power handling	1000 W
Gain	6 dBi (typical)
E-plane	3 dB beamwidth 55°
H-plane	3 dB beamwidth 100°
Polarization	Adjustable upon installation
Mechanical Specifications	
Deployed dimensions (l x h x w)	8550 mm x 560 mm x 6480 mm
Stowing dimensions (l x h x w)	6530 mm x 560 mm x 560 mm
Shipping dimensions (l x h x w)	3500 mm x 600 mm x 500 mm
Mounting method	Swivel bracket onto a mast
Exposed materials	Aluminium, stainless steel and
Environmental Specifications	
Wind survival	120 km/h
Temperature (operational)	-35 °C to 71 °C

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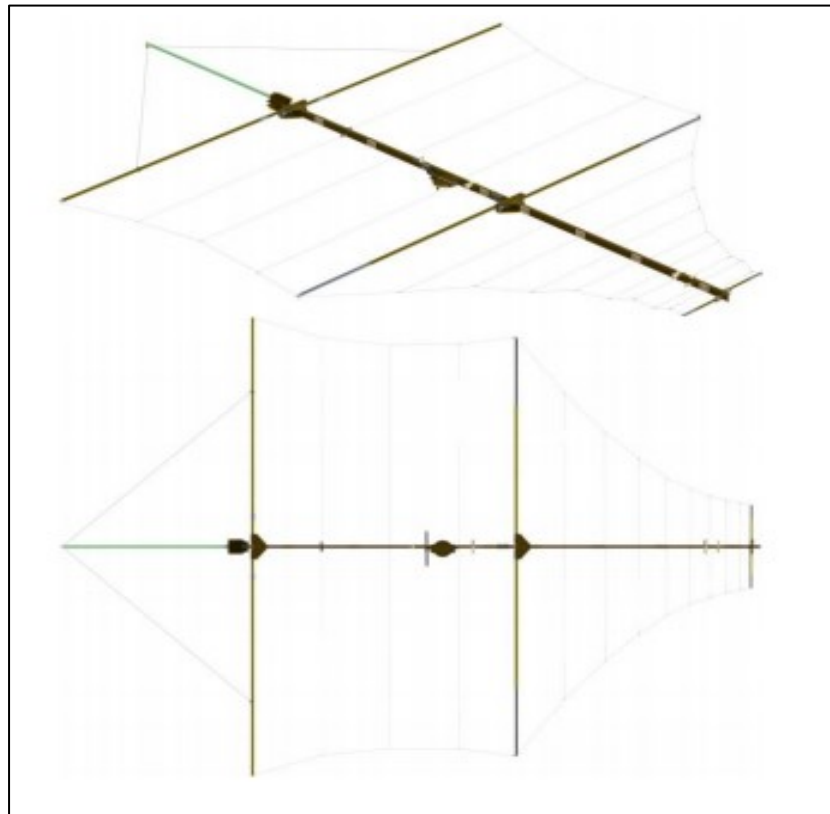
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# SRFS TELEINFRA



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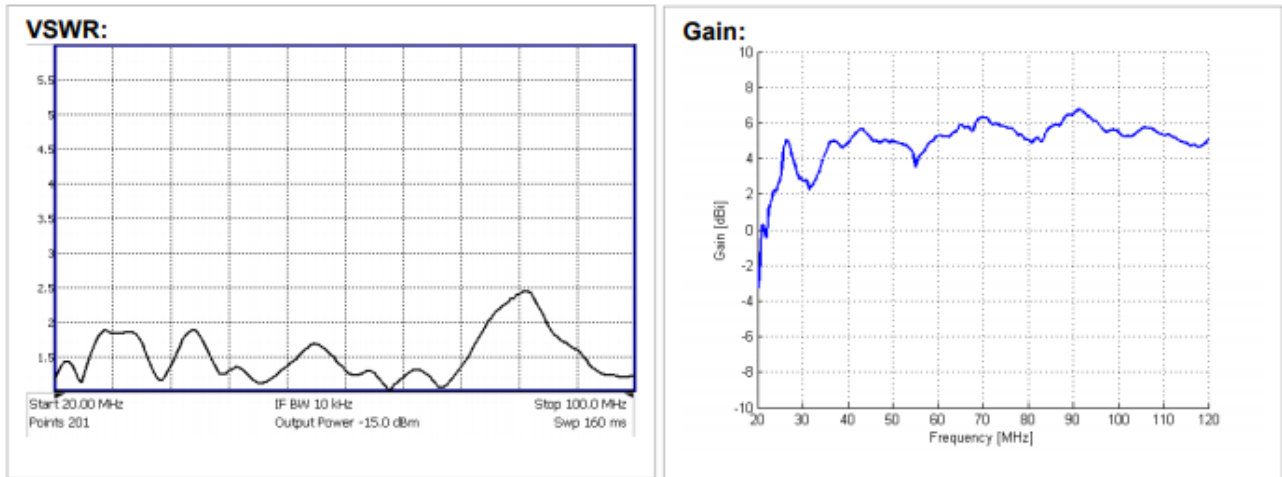


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## High-Power Wire LPDA Antenna Model no.:SRFS-LPDA-A0098



### NORMALIZED RADIATION PATTERNS:

