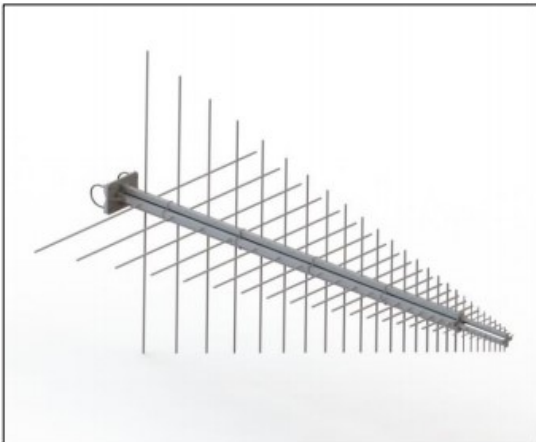


## Dual-Polarized LPDA Antenna Model no.: SRFS- LPDA-A0041

### Product Description

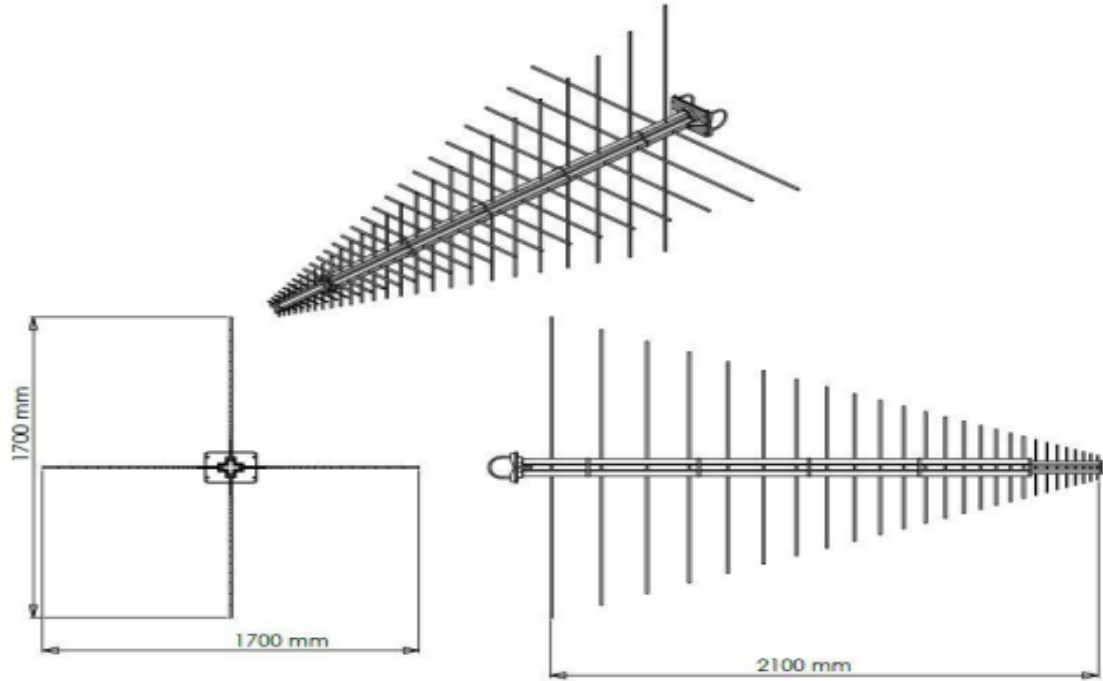
The LPDA-A0041 is a high-powered, 500 W, directional log periodic dipole array that covers the 100 to 500 MHz frequency band. The antenna is supplied with its mounting bracket.



Electrical Specifications	
Frequency range	100 – 500 MHz
VSWR	< 2.5:1
Nominal input impedance	50 $\Omega$ nominal
Isolation	(typical) > 15 dB
Feed power handling	500 W
Front-to-back ratio (typical)	> 20 dB
Gain	> 6 dBi over 95% of the frequency band
E-plane 3 dB beamwidth	50°
H-plane 3 dB beamwidth	120°
Polarization	Dual linear
Connectors	Two 7/16 female (one for each polarization)
Mechanical Specifications	
Dimensions	1700 mm x 1700 mm x 2100 mm
Material	Aluminum, stainless steel, fiberglass
Mounting method	Bracket for 50 mm – 100 mm poles
Environmental Specifications	
Wind survival	160 km/h
Temperature operational	-40 °C to + 55 °C (no icing)

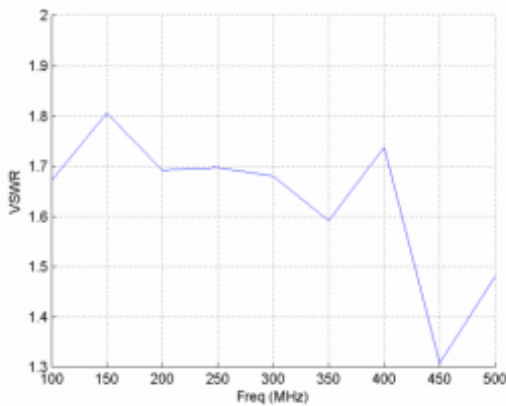
## Dual-Polarized LPDA Antenna Model no.: SRFS- LPDA-A0041

### PHYSICAL DIMENSIONS:

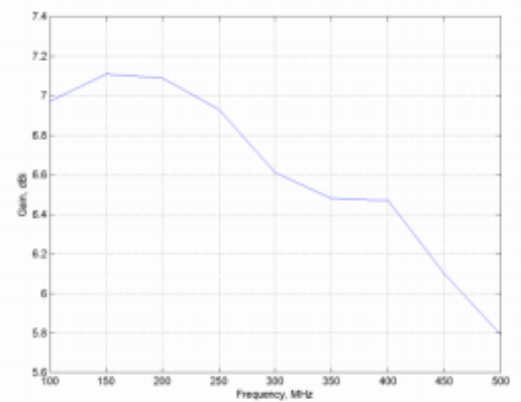


### VSWR AND GAIN GRAPHS:

TYPICAL VSWR FOR EACH POLE:

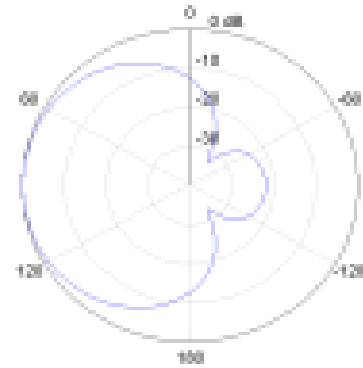
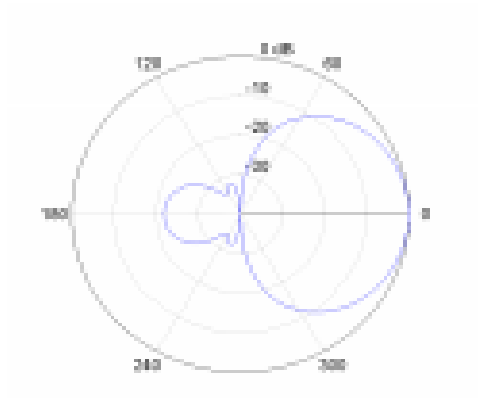


TYPICAL GAIN FOR EACH POLE:

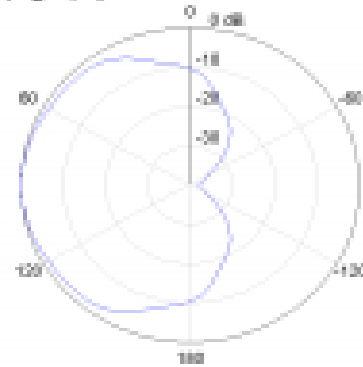
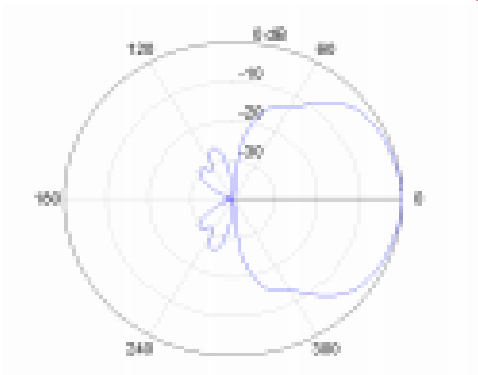


# Dual-Polarized LPDA Antenna Model no.: SRFS- LPDA-A0041

100 MHz E-plane (left) and H-plane (right) patterns:



300 MHz E-plane (left) and H-plane (right): patterns



500 MHz E-plane (left) and H-plane (right) patterns:

