

## High-Power LPDA Antenna Model no.:SRFS- LPDA-A0141

### Product Description

The LPDA-A0141 directional log-periodic dipole array (LPDA) is primarily designed for high-power applications. It covers a frequency band of 400 to 6000 MHz with a gain of greater than 8 dBi.

The antenna is completely encapsulated in a Radome. The antenna is provided with a mounting bracket

### Product Feature

- Wideband frequency 400 to 6000 MHz
- VSWR < 2.0:1
- High gain: 8 dBi
- Rugged construction
- Ice resistant



Electrical Specifications	
Frequency range	400 – 6000 MHz
VSWR	< 2.0:1
Nominal input impedance	50 Ω
Connector	N-type female
Feed power handling	150 W @ 6000 MHz
Gain (typical)	8 dBi
E-plane 3 dB beamwidth	50°
H-plane 3 dB beamwidth	60°
Polarization	Linear
Front-to-back ratio	≥ 15 dB
Mechanical Specifications	
Dimensions (w x l)	450 mm x 770 mm (incl. bracket)
Material	Aluminium, stainless steel, fibreglass
Total mass	3.7 kg (incl. mounting bracket)
Mounting method	4 x M8 Bolts
MTBF	500,000 h
Environmental Specifications	
Wind survival	160 km/h calculated
Operating Temperature	-30°C to +65° (no icing)
Storage Temperature	-40°C to +85°
Corrosion	Designed for MIL-STD-810F MIL1250A

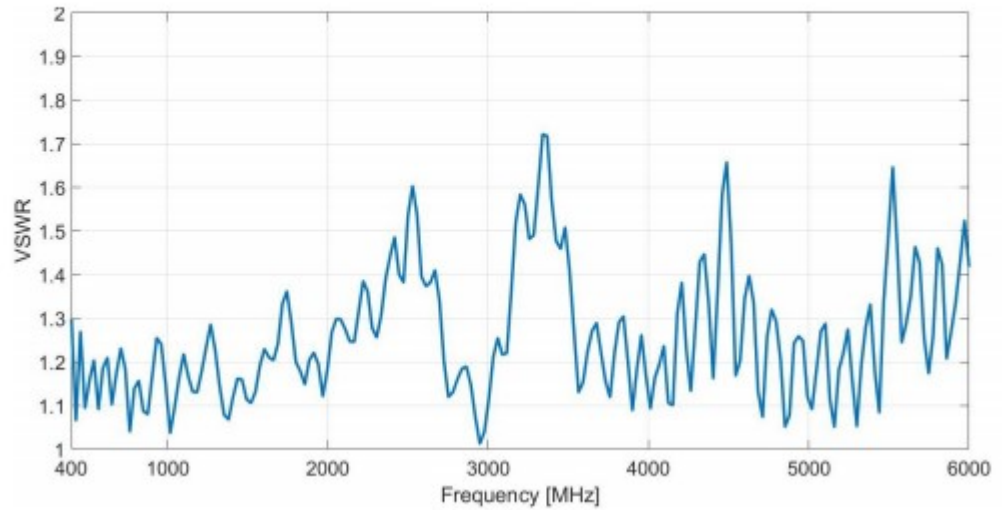
# SRFS TELEINFRA



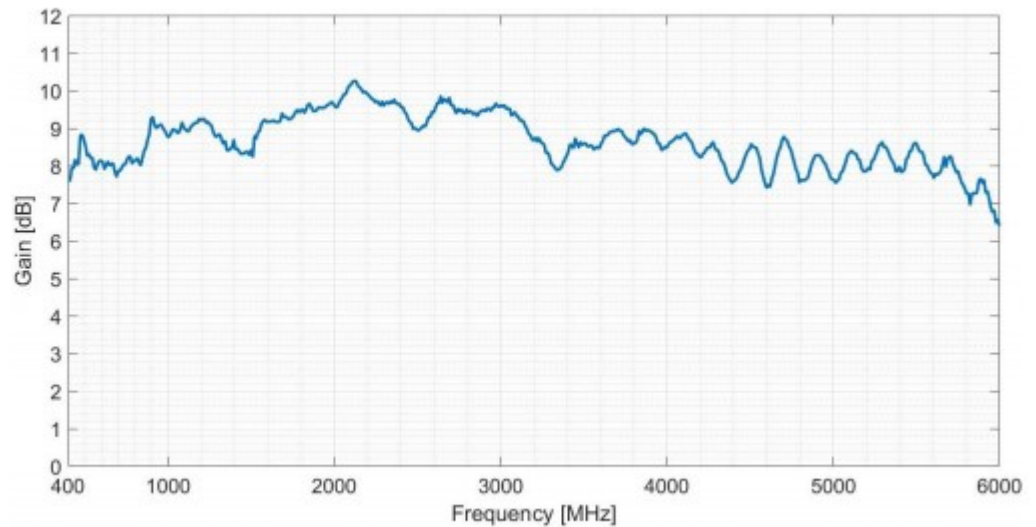
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## VSWR AND GAIN GRAPHS:

### Typical VSWR:



### GAIN:



Plot no 10 Shiv Vihar A Block Najafgarh Nala Road Vikasnagar Uttam Nagar New Delhi-110059

+91-9027232570, +91-8800726650 [info@srfsteleinfra.in](mailto:info@srfsteleinfra.in), [info@srfsteleinfra.com](mailto:info@srfsteleinfra.com)

[www.srfsteleinfra.in](http://www.srfsteleinfra.in)

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## RADIATION PATTERNS:

