

Dual-Polarised LPDA Antenna Model no.:SRFS-LPDA-A0070

Product Description

The LPDA-A0070 is a dual-polarized log-periodic dipole array primarily designed for monitoring applications. It covers the 20 to 500 MHz frequency band with a typical gain of 5.5 dBi. The antenna has two coaxial connectors for switching between horizontal and vertical polarization. The antenna breaks into three for compact storage, and can be fully erected from packaged by two people in less than 10 minutes.

PRODUCT FEATURES:

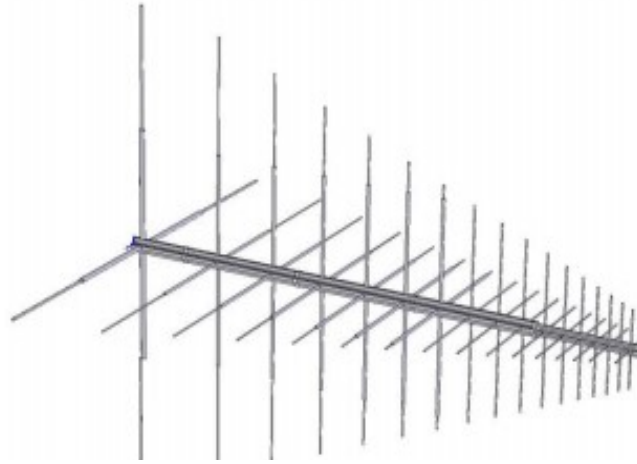
- Low frequency coverage
- Low VSWR
- High gain of 5.5 dBi over the band
- Easy construction of detachable elements with spring fasteners
- Compact storage as unit is easily broken into ..

Electrical Specifications	
Frequency range	20 – 500 MHz
VSWR	< 2.5:1
Nominal input impedance	50 Ω
Connector	2x N-type female
Feed power handling	100 W
MTBF	50,000 h
Gain	5.5 dBi typical, -2 dBi minimum from 20 – 30 MHz
E-plane	3 dB beamwidth 55°
H-plane	3 dB beamwidth 100°
Polarization	Dual (vertical and horizontal)
Mechanical Specifications	
Dimensions deployed	5700 mm x 6700 mm
Material	Aluminium, stainless steel, fibreglass
Mounting method	Bracket onto a mast
Environmental Specifications	
Wind survival	160 km/h (calculated)
Temperature (operational)	- 40 °C to +55 °C (no icing)

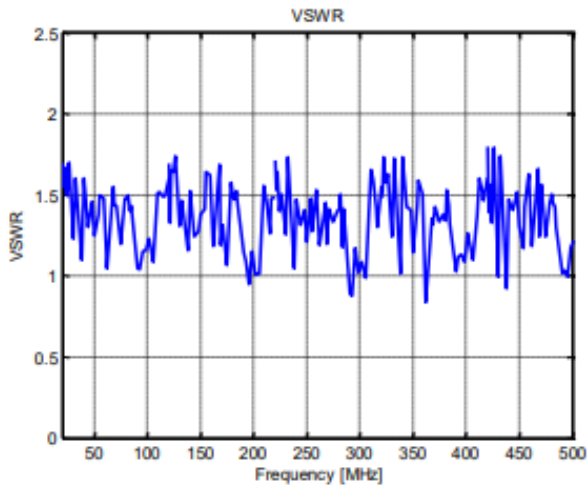
SRFS TELEINFRA



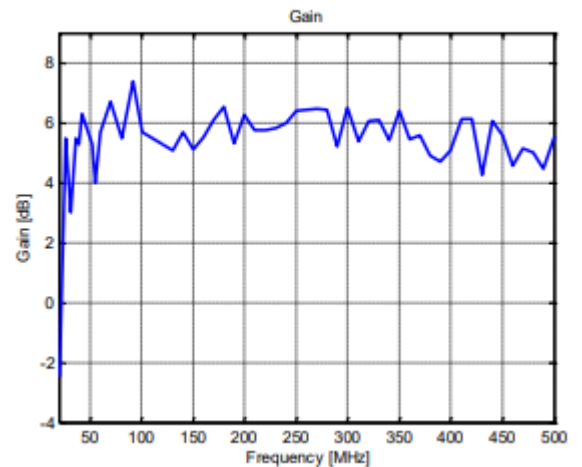
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VSWR:



GAIN:



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

+91-9027232570, +91-8800726650 info@srfsteleinfra.in, info@srfsteleinfra.com

www.srfsteleinfra.in