

Wideband LPDA Model no.: SRFS- LPDA-A0083

Product Description

The LPDA-A0083 is a directional log-periodic dipole array primarily designed for EW monitoring and high-power applications. It covers the 30 to 1000 MHz band with a typical gain of 4 dBi. The antenna can be configured for horizontal or vertical polarization. The antenna requires an isolated mast for vertical polarization, to prevent the cable from affecting it. The antenna is disassembled for ease of shipping. It is bolted together with the supplied tools.

Product Features

- Wide frequency coverage
- Low VSWR
- Moderate gain
- High-power capability
- High strength antenna for extreme



Electrical Specifications	
Frequency range	30 – 512 MHz
VSWR	< 2.5:1
Nominal input impedance	50 Ω
Connector	7/16 female
Feed power handling	1000 W
Gain	See gain graph
Polarization	Adjustable (vertical or horizontal)
Mechanical Specifications	
Dimensions (full assembly - deployed)	4810 mm x 182 mm x 5350 mm
Dimensions (High Frequency section - deployed)	1521 mm x 125 mm x 1775 mm
Dimensions (full assembly -stowed)	4810mm x 182 mm x 590 mm
Dimensions (high frequency section - stowed)	1521 mm x 125 mm x 590 mm
Mounting method	On a swivel bracket fitted to the mast (requires isolation pole to change polarization which is standard issue)
Environmental Specifications	
Wind survival	120 km/h when guyed
Temperature (operational)	-35 °C to 71 °C
Temperature (storage)	-35 °C to 71 °C
Exposed materials	Aluminium, stainless steel

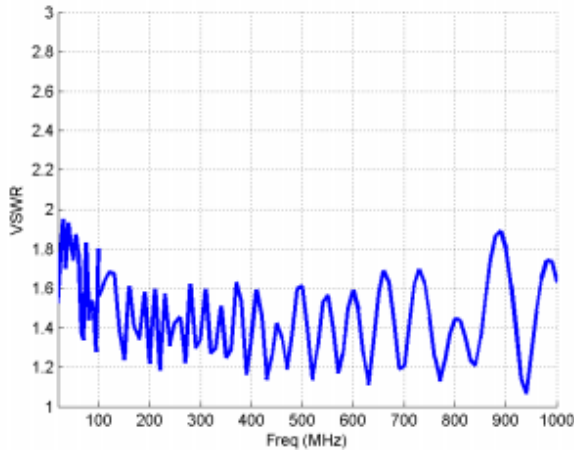
SRFS TELEINFRA



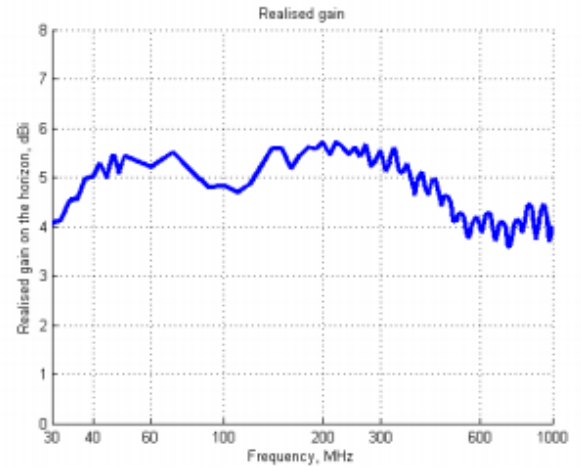
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VSWR AND GAIN GRAPHS:

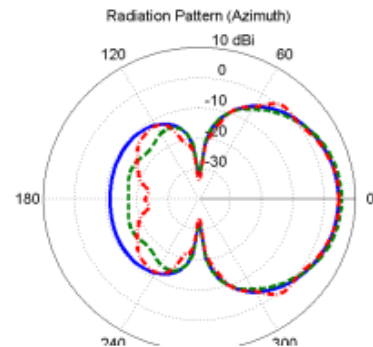
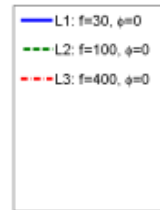
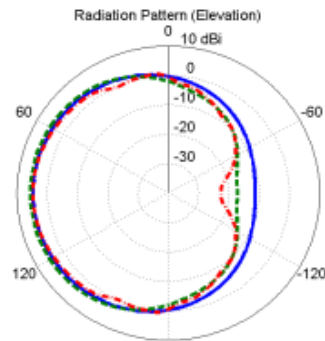
SIMULATED VSWR:



SIMULATED GAIN:



RADIATION PATTERNS:



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