

Mobile HF Monitoring/High Power LPDA Model no.:SRFS-LPDA-A0107

Product Description

The LPDA-A0107 covers the entire HF spectrum down to 2 MHz with excellent gain and pattern. It is rated for 2.5 kW continuous power handling and is ideal for directional monitoring, high-power and fixed circuit communications requirements. The final installation design is done in conjunction with customer requirements. An alternative installation may consist of two masts suspending the antenna from front to back.

PRODUCT FEATURES:

- Covers the entire HF spectrum from 2 to 30 MHz
- 2.5 kW continuous power handling

APPLICATIONS:

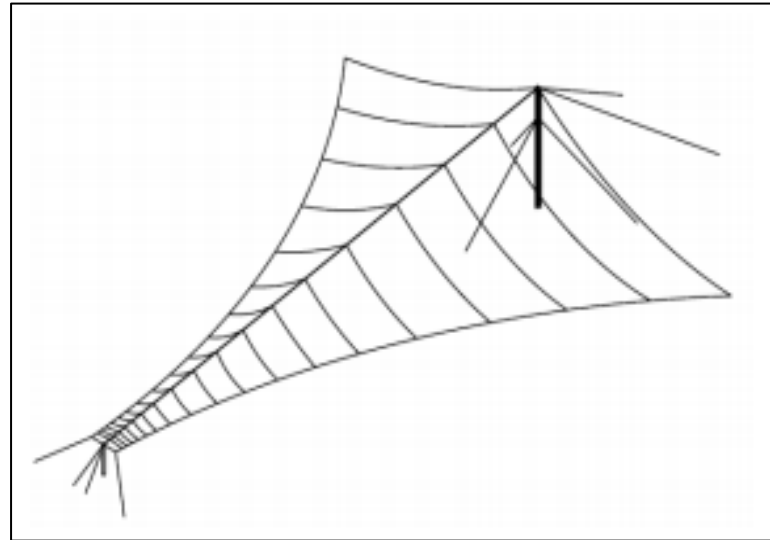
- Directional monitoring
- High-power
- Skywave communications circuits

Electrical Specifications	
Frequency range	2 – 30 MHz
VSWR	< 2.5:1
Feed power handling	2.5 kW CW
Nominal input impedance	50 Ω
Connector	7/16 female
Gain (max)	12 dBi (\pm 0.5)
Gain (average)	9 dBi (\pm 0.5)
E-plane 3 dB beamwidth	60° – 80° (\pm 5°)
H-plane 3 dB beamwidth	25° – 50° (\pm 5°)
Polarization	Horizontal
Mechanical Specifications	
Dimensions (l x w x h)	90 m x 80 m x 20 m
Mounting method	Mounted on tower, not
Environmental Specifications	
Wind survival	110 km/h
Temperature (operational)	- 30 °C to + 70 °C
Water ingress rating	IP 65 (NEMA 4X)

SRFS TELEINFRA



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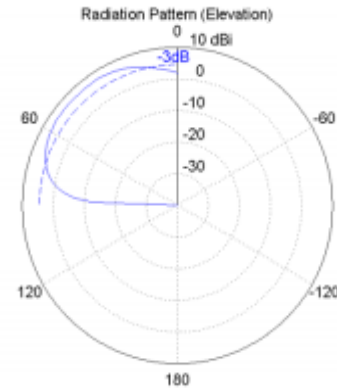
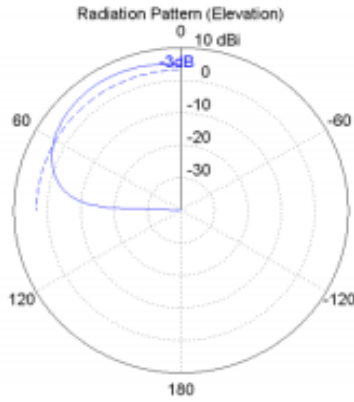
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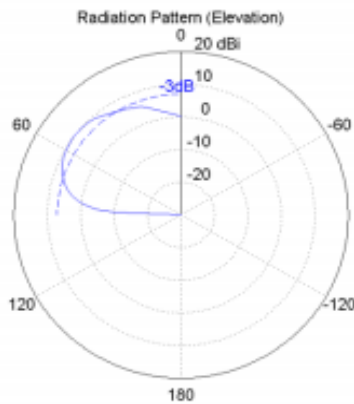
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RADIATION PATTERNS:

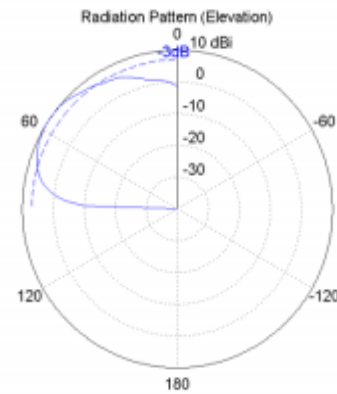


2 MHz



25 MHz

10 MHz



30 MHz