



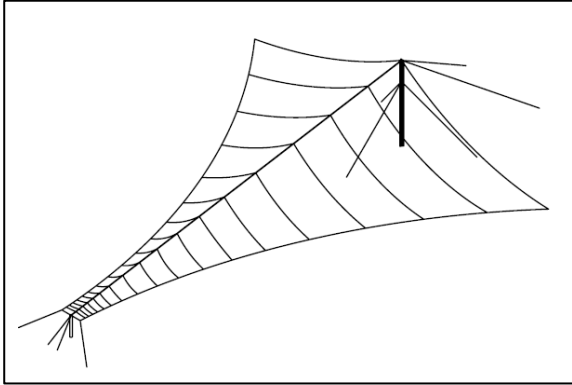
Mobile HF Monitoring/High-Power LPDA

2 – 30 MHz

Product Code: LPDA-A0107

VERSION: 1.1

SPECIFICATIONS:



Electrical:	
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 (± 0.5)
Gain (average)	9 dBi (± 0.5)
E-plane 3 dB beamwidth	60° – 80° (± 5°)
H-plane 3 dB beamwidth	25° – 50° (± 5°)
Polarisation	Horizontal
Mechanical:	
Dimensions (l x w x h)	90 m x 80 m x 20 m
Weight	100 kg
Mounting method	Mounted on tower, not included
Environmental: designed to meet the following specifications	
Wind survival	110 km/h
Temperature (operational)	- 30 °C to + 70 °C
Water ingress rating	IP 65 (NEMA 4X)

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



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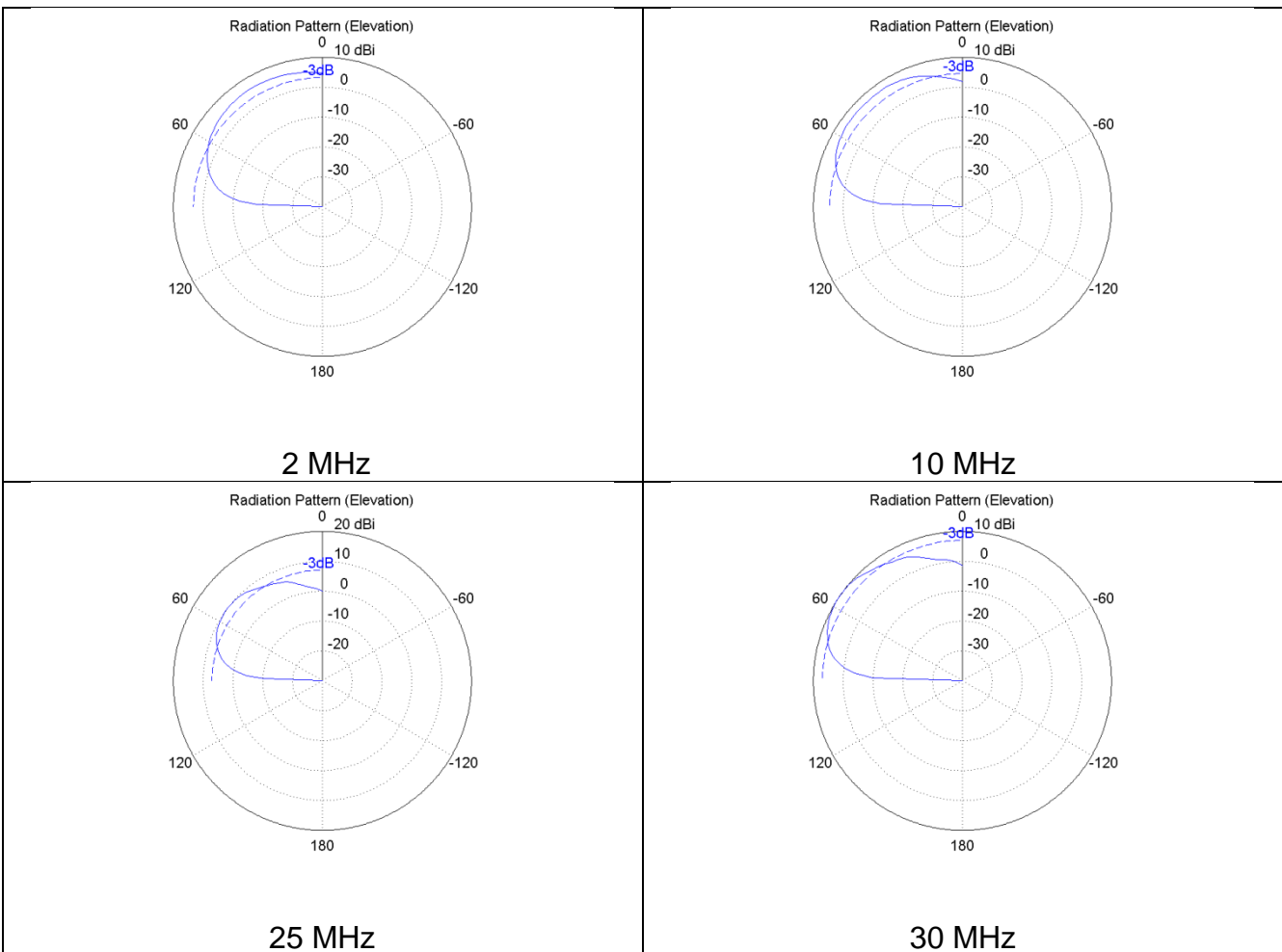
Storage canvas bag



Before deployment

RADIATION PATTERNS:

Simulated elevation patterns for LPDA-A0107:



2 MHz

10 MHz

25 MHz

30 MHz



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