



PRODUCT FEATURES:

- Lightweight
- Fast deployment from folded
- Compact, rugged storage when folded
- Ultra-wideband in a single antenna
- Low and stable VSWR
- Vertical or horizontal polarisation

APPLICATIONS:

- Radio communications

*U.S. Patent No. 8,698,693 B2

*ZA Patent No. 2011/01866

SPECIFICATIONS:

| Electrical: | |
|---|---|
| Frequency range | 225 – 3000 MHz |
| VSWR | < 2.5:1, typical < 2.0:1 |
| Nominal input impedance | 50 Ω |
| Connector | N-type female |
| Feed power handling | 200 W |
| Gain | 6 dBi typical, 10 dBi max |
| E-plane 3 dB beamwidth | 55 – 65° |
| H-plane 3 dB beamwidth | 90 – 110° |
| Polarisation | Linear, vertical or horizontal |
| Mechanical: | |
| Dimensions | Length: 1300 mm incl. mounting Height: 800 mm Width: 150 mm |
| Packed dimensions | Length: 1300 mm Height: 150 mm Width: 150 mm |
| Total mass | < 2.2 kg |
| Colour | Black |
| Mounting method: Optional BRKT-A0022 | Bracket for masts 25 mm to 70 mm. Quick removal system |
| Environmental: designed to meet the following specifications | |
| Wind survival | 160 km/h |
| Effective wind area | 0.3 m ² |
| Temperature (operational) | -35 °C to 55 °C |
| Temperature (storage) | -35 °C to 71 °C |
| Exposed materials | Aluminium, stainless steel and plastic. |

PRODUCT DESCRIPTION:

The LPDA-A0080 medium gain wideband directional LPDA antenna covers the frequency band from 225 MHz to 3000 MHz. It is optimized for JTRS wideband networking waveforms used in wide area networks, such as SRW and WNW.

This antenna is constructed using a unique wire technology*. This makes the antenna lightweight and allows for very compact storage, quick, easy deployment and mounting. The flexible nature of this antenna makes it very easy to collapse the antenna and break off any accumulated ice.

All antenna elements and other parts are permanently attached to the boom, to prevent any parts from becoming lost in the field.

Wideband Wire LPDA

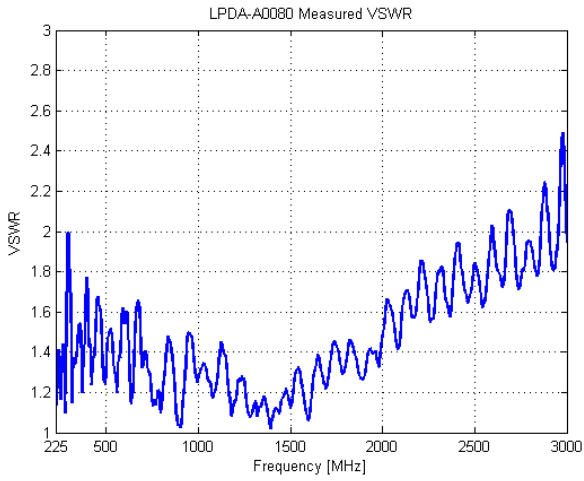
225 – 3000 MHz

Product Code: LPDA-A0080

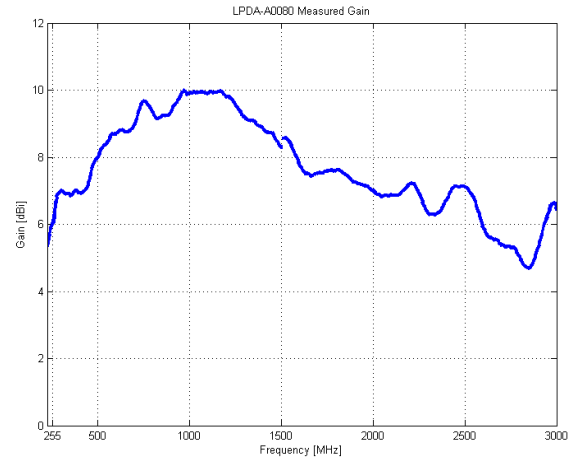
VERSION: 1.8

VSWR AND GAIN GRAPHS:

Measured VSWR:



Measured GAIN:



RADIATION PATTERNS:

