

Foldable Wire LPDA

200 – 500 MHz

Product Code: LPDA-A0076

VERSION: 2.7



SPECIFICATIONS:

Electrical:	
Frequency range	200 – 500 MHz
VSWR	
200-225MHz	< 3:1
225-500MHz	< 2:1
Nominal input impedance	50 Ω
Connector	N-type female
Feed power handling	200 W
Gain	6 dBi typical
E-plane 3 dB beamwidth	60°
H-plane 3 dB beamwidth	100°
Polarisation	Linear, vertical or horizontal
Mechanical:	
Dimensions	Length: 850 mm incl. mounting Height: 800 mm Width: 150 mm
Packed dimensions	Length: 850 mm Height: 200 mm Width: 200 mm
Total mass	< 2 kg
Colour	Black
Mounting method	Bracket attached with U-bolts to mast. Quick removal system
Environmental: designed to meet the following specifications	
Wind survival	160 km/h
Effective wind area	0.05 sqm
Temperature (operational)	-35 °C to 71 °C
Temperature (storage)	-35 °C to 71 °C
Exposed materials	Aluminium, stainless steel and tufnol

PRODUCT FEATURES:

- Lightweight
- Quick deployable
- Compact storage
- Wideband
- Low and stable VSWR
- Vertical or horizontal polarisation

APPLICATIONS:

- Radio communications

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

*ZA Patent No. 2011/01866

PRODUCT DESCRIPTION:

The LPDA-A0076 medium gain wideband directional LPDA antenna covers the frequency band from 200 MHz to 500 MHz. It is optimized for JTRS wideband networking waveforms used in wide area networks, such as SRW & 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 are permanently attached to the boom, to prevent any parts from becoming lost in the field.

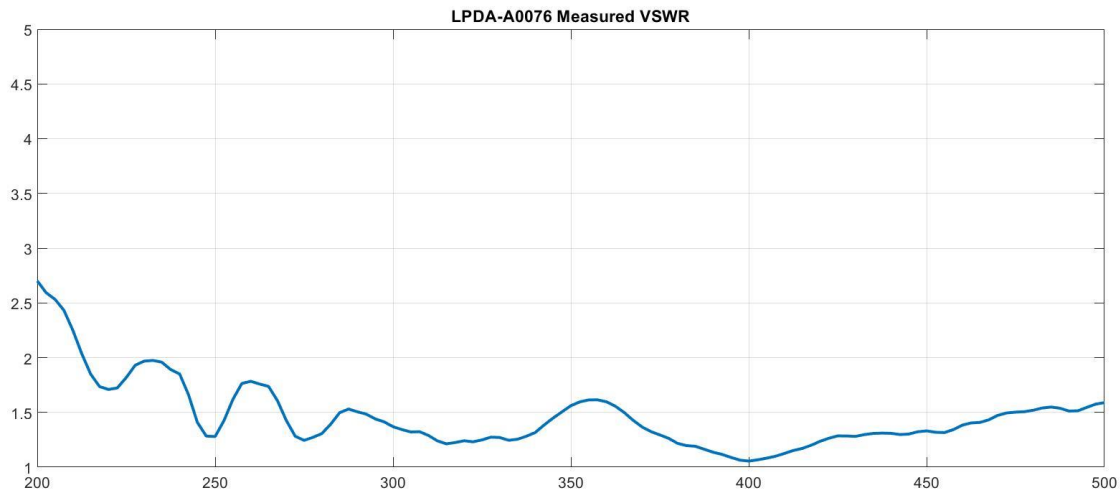
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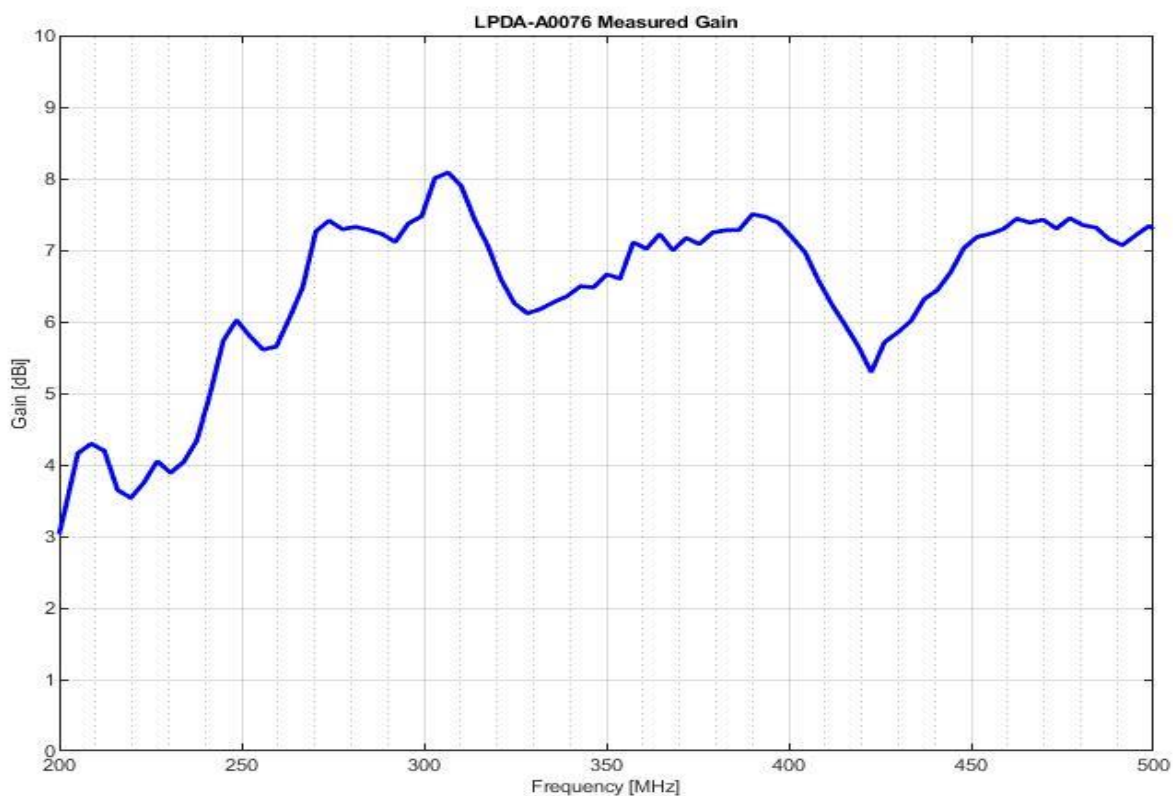
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Measured VSWR:



Measured GAIN:



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GAIN THE ADVANTAGE

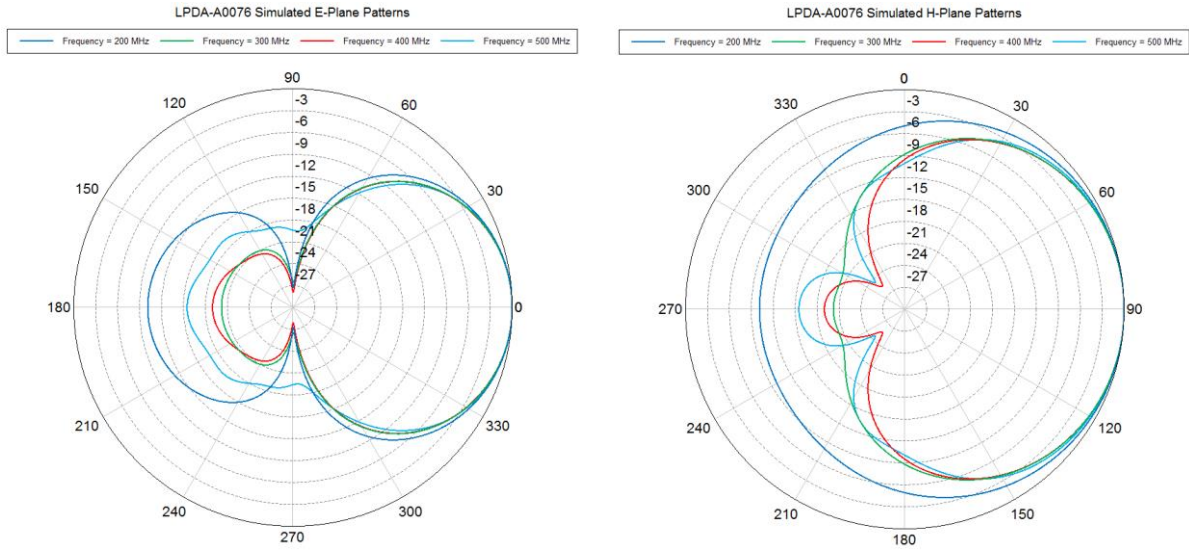
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Radiation Patterns:



Folding mechanism photos:



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