

## Wideband Wire LPDA Model no.:SRFS- LPDA-A0080

### 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.

### Product Feature

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



Electrical Specifications	
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°
Polarization	Linear, vertical or horizontal
Mechanical Specifications	
Dimensions	Length: 1300 mm incl. mounting Height: 800 mm Width: 150 mm
Packed dimensions	Length: 1300 mm Height: 150 mm Width: 150 mm
Mounting method	Bracket for masts 25 mm to 70 mm. Quick removal system
Environmental Specifications	
Wind survival	160 km/h
Effective wind area	0.3 m <sup>2</sup>
Temperature (operational)	-35 °C to 55 °C
Temperature (storage)	-35 °C to 71 °C
Exposed materials	Aluminium, stainless steel and

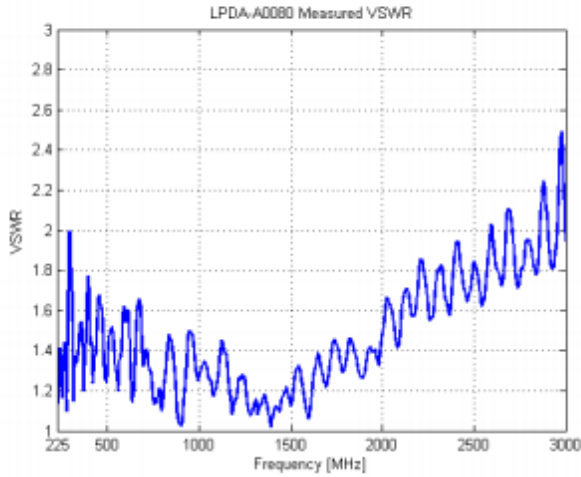
# SRFS TELEINFRA



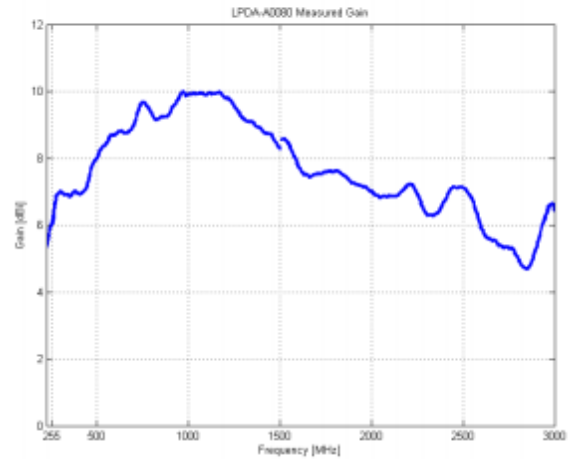
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## VSWR AND GAIN GRAPHS:

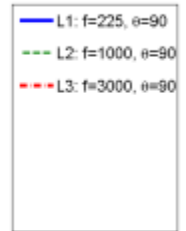
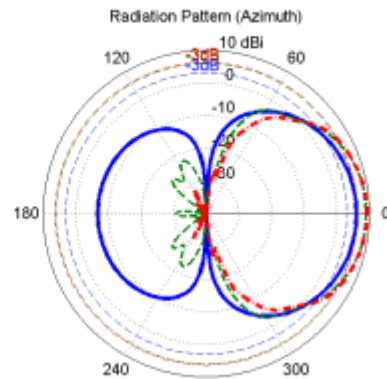
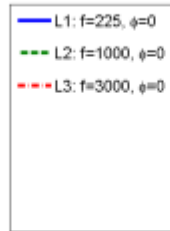
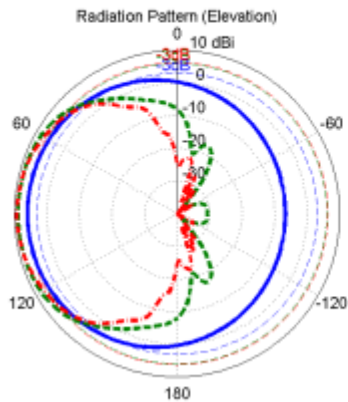
### Measured VSWR:



### Measured GAIN:



## RADIATION PATTERNS:



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