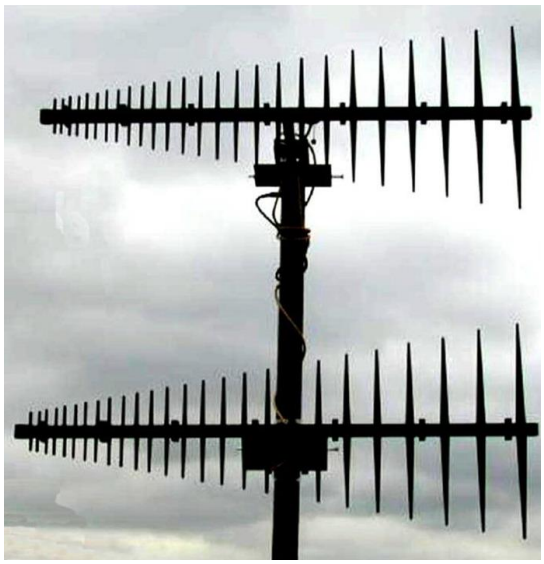
Array of High-Power High Gain LPDAs

225 – 400 MHz

Product Code: LPDA-A0062

VERSION: 2.4

SPECIFICATIONS:



Electrical:	
Input frequency range	225 – 400 MHz
VSWR	< 2:1
Nominal input impedance	50 Ω
Connector	N-type female
Feed power handling	800 W
Gain	12 dBi
Polarisation	Linear, vertical
Mechanical:	
Dimensions (excluding brackets)	1.7 m x 1.85 m
Weight	15 kg
Material	Aluminium and PVC plastic
Environmental: designed to meet the following specification	
Wind survival	160 km/h

ELECTRICAL FEATURES:

- High-power handling
- High efficiency
- High gain

MECHANICAL FEATURES:

- Waterproof
- Compact
- Vehicle-mounted

PRODUCT DESCRIPTION:

The LPDA-A0062 high-power, high gain log periodic dipole array (LPDA) antenna operates over the 225 to 400 MHz frequency band with a VSWR of less than 2:1 over the band. Two 10 dBi LPDA antennas are arranged in an array to make up the 12 dBi antenna. The maximum input power the array can handle is 800 W.

Old part number: PA-LPAR12-225400

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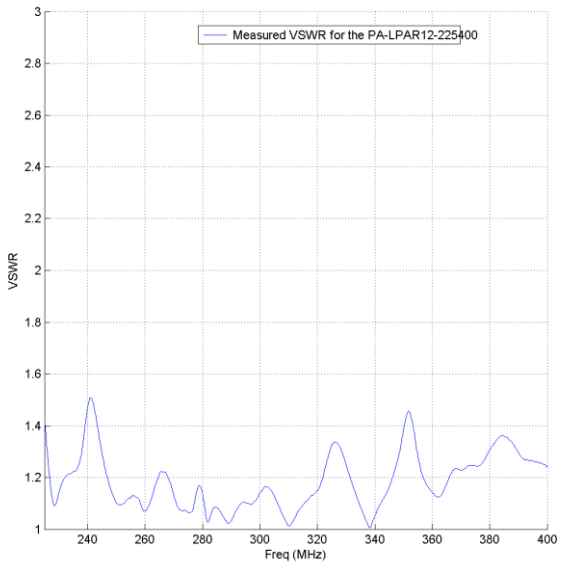
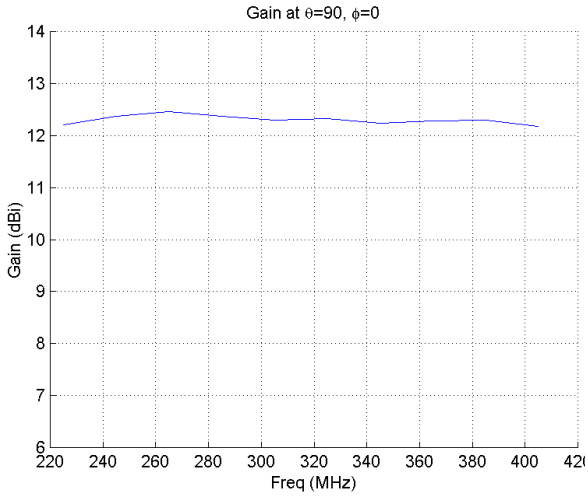
MEASURED VSWR AND SIMULATED GAIN GRAPHS:

VSWR



SIMULATED:



AZIMUTH AND ELEVATION PATTERNS: