

LPDA Marine Monitoring System with Rotator

30 – 3000 MHz

Product Code: SYST-A0005

VERSION: 2.2



SPECIFICATIONS:

Electrical: LPDA-A0083	
Frequency range	30 – 1000 MHz
VSWR	< 2:1 (95% of band)
Gain	4 dBi (95% of band)
Polarisation	Vertical
Power handling	200 W
Electrical: LPDA-A0084	
Frequency range	400 – 3000 MHz
VSWR	< 2:1
Gain	> 6.5 dBi
Polarisation	Vertical
Power handling	100 W
Electrical: rotator	
Supply voltage	220 V AC
Maximum current	10 A
Serial interface	RS422
Control protocol	ASCII commands
Rate of turn	30°/s
Rotation	360° no limits
Rotary joint	Internal 2-channel rotary joint
Mechanical:	
Height of stack	5.7 m
Turning radius	2.0 m
Crane height required	5.8 m above mounting base
Total mass	150 kg
Mounting	6 mm x 12 mm bolts at base
Environmental: designed to meet the following specifications	
Temperature range	-35 °C to +71 °C
Vibration	MIL-STD-167-1 type I
Transport vibration	MIL-STD-810 F ground trans
EMC	MIL-STD-461 F
Humidity	60 °C & RH = 95%
Rain and water	Waterproof; drain holes
Salt fog	MIL-STD-810 F
Maximum wind speed	144 km/h normal operation 200 km/h survival (tested)

PRODUCT FEATURES:

- Two wideband LPDAs on a single mast
- Rotator for aiming and scanning all angles
- Internal rotary joint for 360° coverage
- Low-loss internal cables.
- Designed for shipboard use above deck
- Extreme environmental specifications for wind, water and salt
- High-wind speed capability
- Protected cable exit system
- High-power capability for immunity from nearby communications

APPLICATIONS:

- Wideband monitoring
- Hand-off monitoring from DF receiver

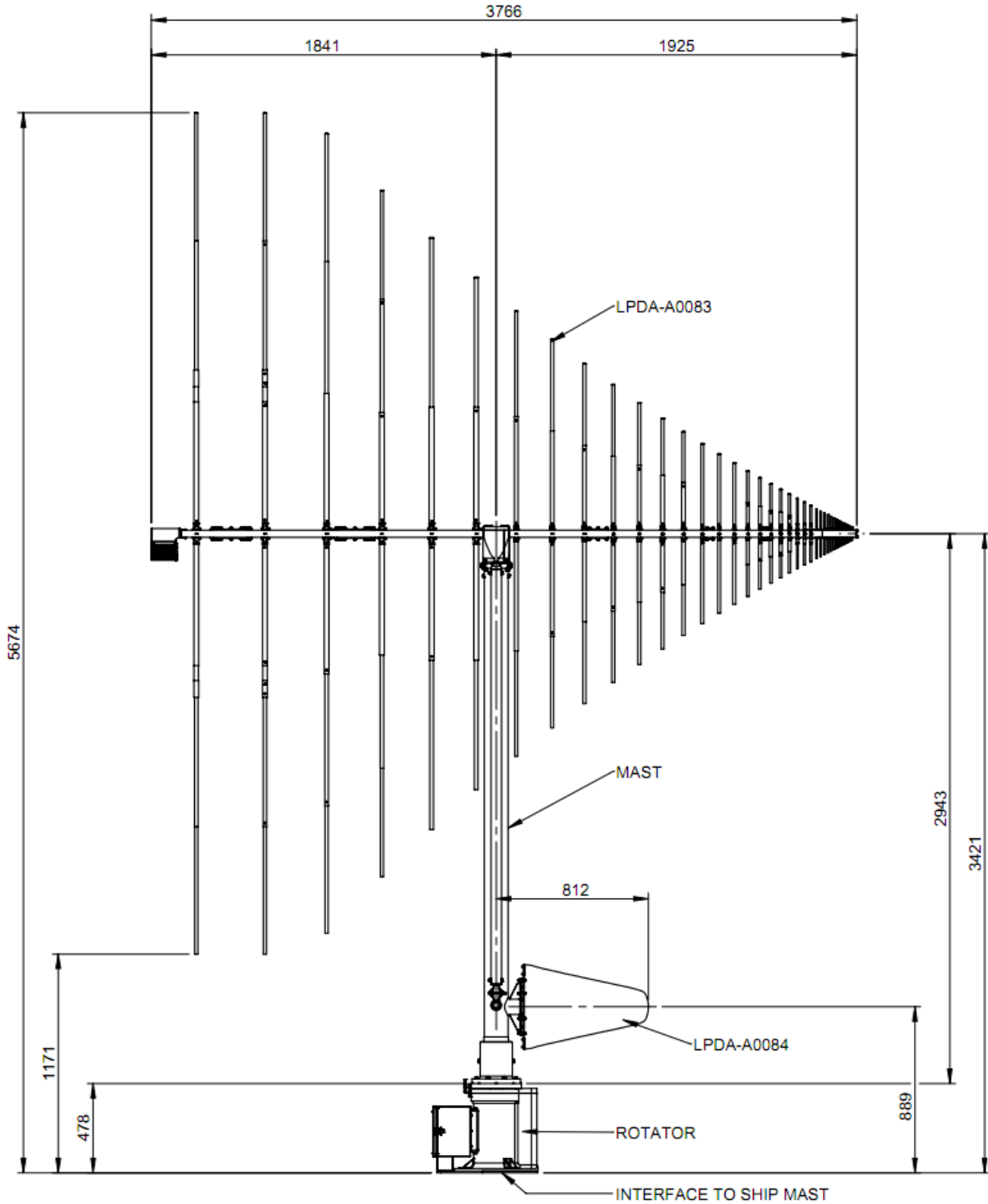
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DIMENSIONS:



Updated 2015-05-26

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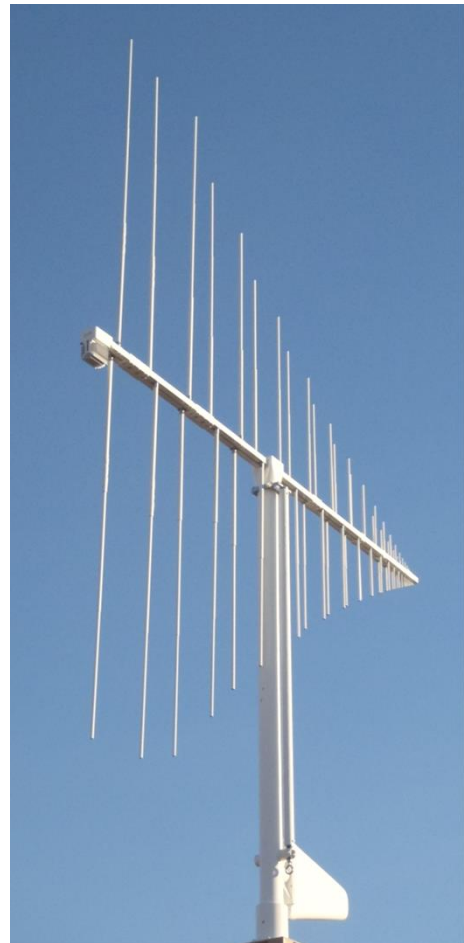
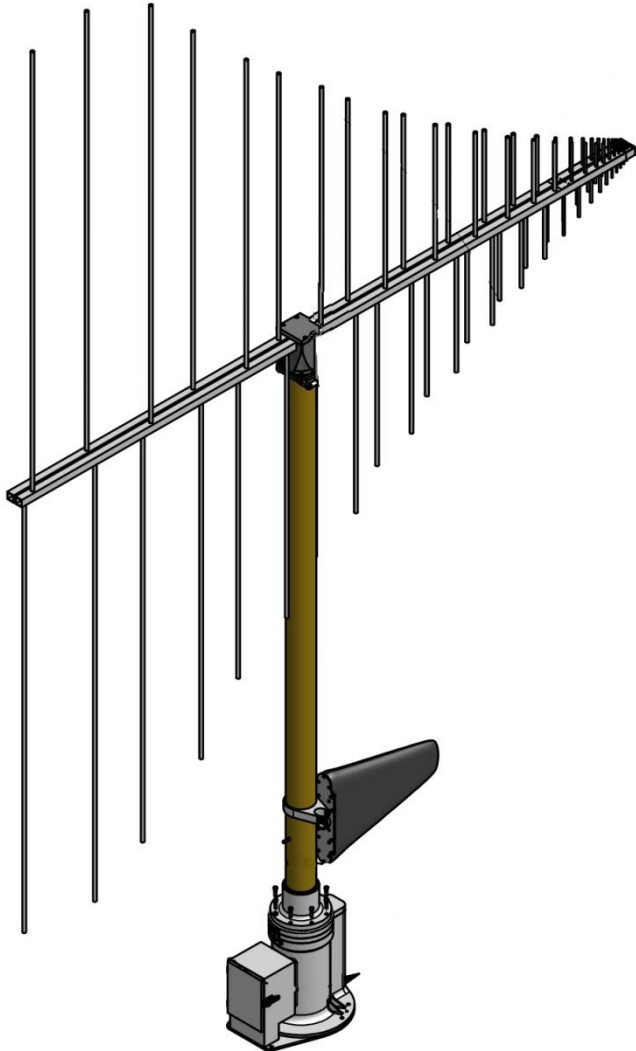
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OVERVIEW INCLUDING ROTATOR:



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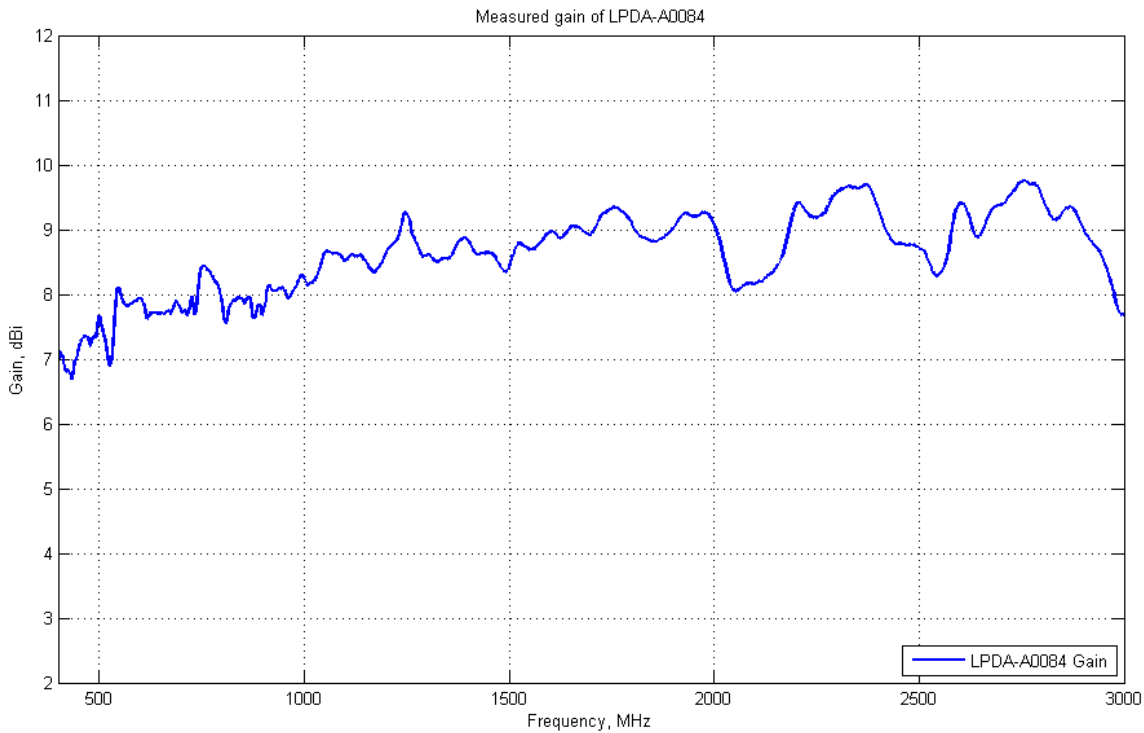
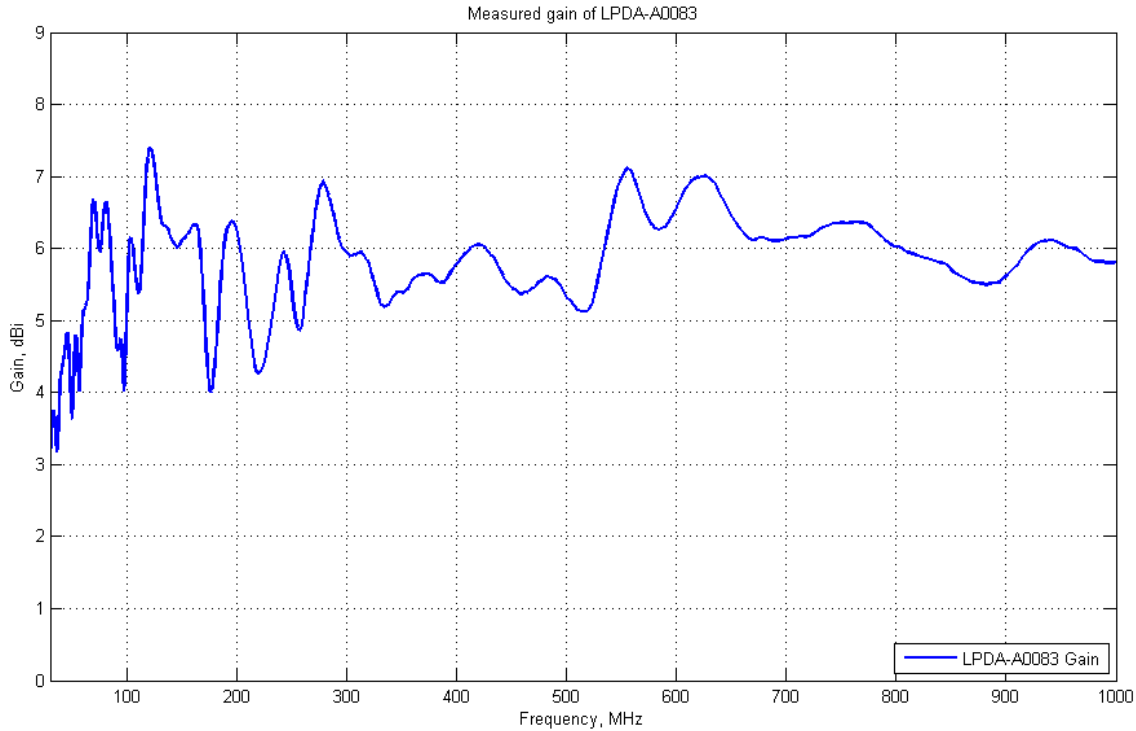
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ELECTRICAL PERFORMANCE:



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