

BROADBAND PROPAGATION

Antenna Design & Supply

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L BAND 960-2000 MHz SHIPBOARD ANTENNA Model: BP-ML-960-2000

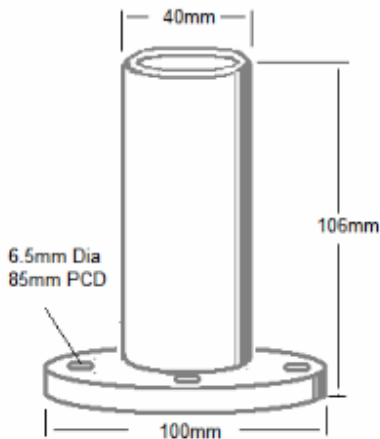
ELECTRICAL SPECIFICATIONS

Frequency:	960-2000 MHz
Gain:	2 dBi typical
VSWR:	Maximum 2:1
Horizontal Pattern:	Omnidirectional
Polarisation:	Vertical
Power Rating :	110 watts
Input Impedance:	50 ohms
Input connection:	N type Female

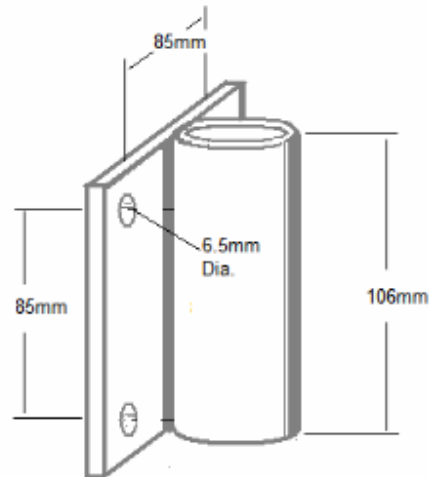
MECHANICAL SPECIFICATIONS

Overall Length:	0.5m
Overall Width:	0.32m
Mounting Spigot:	30mm diam. 250mm length
Weight:	2.3 kg (excluding mounting)
Shipping Weight:	3.1 kg including mounting
Shipping Size:	0.6m x 0.35m x 0.35m
Wind rating:	210 km/hr

Mounting Options



Flange Mount - Marine Grade Stainless Steel



Side or Post/ Spigot Mount - Marine Grade Stainless Steel

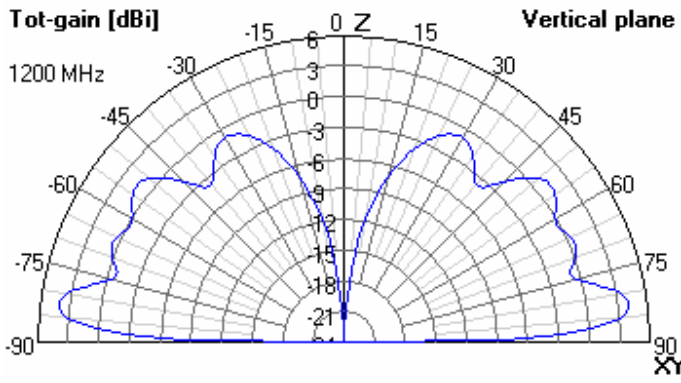
ENVIRONMENTAL SPECIFICATIONS

The BP-ML-960-2000 is engineered and manufactured to be compliant with the following MIL-STD-810 Standards.

- **MIL-STD 810F Method 501.4** High Temperature (Both storage and operating)
- **MIL-STD 810F Method 502.4** Low Temperature (Both storage and operating)
- **MIL-STD 810F Method 503.4** Temperature Shock
- **MIL-STD 810F Method 505.4** Solar Radiation (Sunshine)
- **MIL-STD 810F Method 506.4** Rain
- **MIL-STD 810F Method 507.4** Humidity
- **MIL-STD 810F Method 508.5** Fungus
- **MIL-STD 810F Method 509.4** Salt Fog
- **MIL-STD 810F Method 510.4** Sand and Dust
- **MIL-STD 810F Method 514.5** Vibration
- **MIL-STD 810F Method 521.2** Icing, Freezing Rain

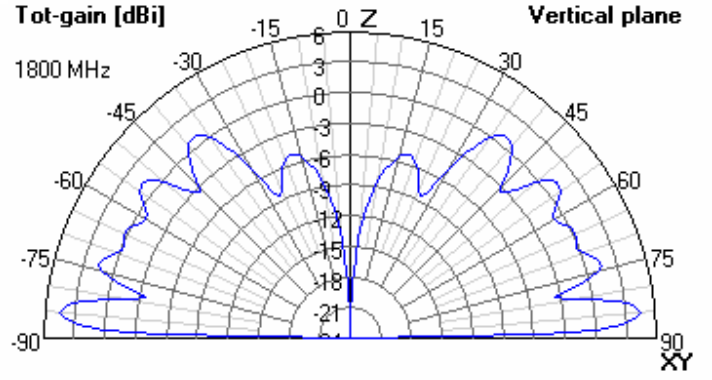
L BAND 960-2000 MHz SHIPBOARD WHIP ANTENNA
Radiation Patterns

Note: These Patterns are derived with the antenna unencumbered by Ship superstructure or other nearby antennas.



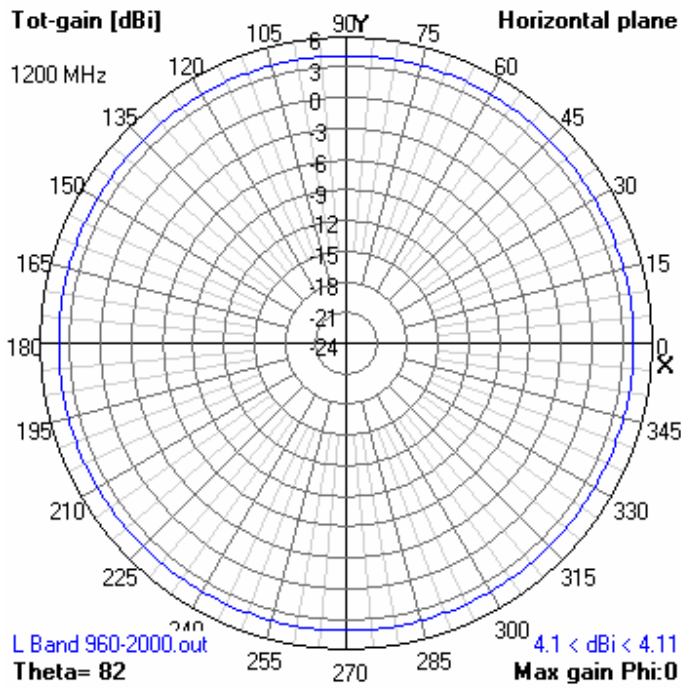
L Band 960-2000.out
Phi= 360

-198 < dBi < 4.11
Max gain The:82



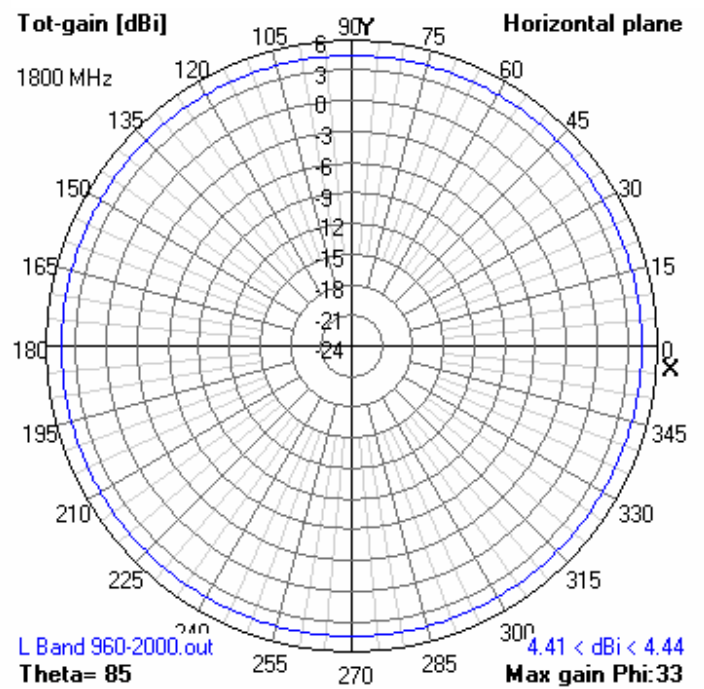
L Band 960-2000.out
Phi= 327

-195 < dBi < 4.44
Max gain The:85



L Band 960-2000.out
Theta= 82

4.1 < dBi < 4.11
Max gain Phi:0



L Band 960-2000.out
Theta= 85

4.41 < dBi < 4.44
Max gain Phi:33