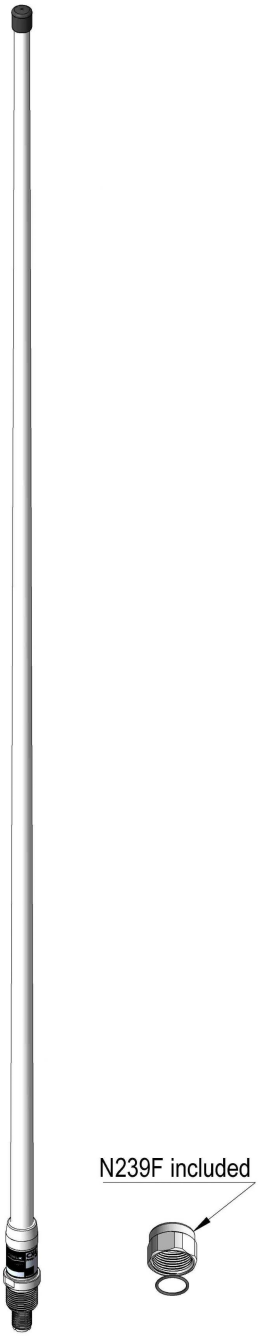
# CX4

100011-T

## Marine and Land Based VHF Antenna. Tx/Rx. 150W
## 0 dBd. UHF female. N239F. Packed in a tube

This is an omnidirectional dipole antenna manufactured in premium quality materials in order to prevent galvanic corrosion. Radiating elements are made of brass. The antenna is manufactured using crimping technology giving the antenna a 4-5 times stronger build-up. The antenna is always subject for improvement. The antenna has the same rugged design as all other AC Antennas products thus it withstands harsh environmental conditions, both on Sea and Land.




**Short description**

| | |
|---|---|
| Product group | VHF |
| Design | Coaxial dipole |
| Pattern | Omnidirectional |

**Electrical specifications**

| | |
|---|---|
| Frequency range [MHz] | 146.0-162.5 |
| Bandwidth [MHz] | 16.5 |
| Nominal Impedance [Ohm] | 50 |
| Max. Input Power [Watt] | 150 |
| Gain [dBd/dBi/Marine dB] | 0 / 2.15 / 3 |
| VSWR | <1.5:1 |
| Polarisation | Vertical |
| DC Shorted | Yes |
| DC Grounded | Yes |
| Connector | UHF-Female |

**Mechanical specifications**

| | |
|---|---|
| Length [m/ft] | 1.26 / 4.14 |
| Sections | 1 |
| Weight [kg/lbs] | 0.50 / 1.10 |
| Survival Wind Speed [km/h / m/s / mph] | 200 / 55 / 124 |
| Wind Area [m2/ft2] | 0.0186 / 0.2002 |
| Wind Load @ 160km/h [N] | 27 |
| Material | Fibreglass |
| Colour | White |
| Operating Temperature Range [°C/°F] | -55 to +70 / -67 to +158 |
| Ingress Protection | IP68 |
| Thread | 1" 14TPI male / ISO 228/1-G1 female |
| Mounting | Mounting Nut included |

**AC Antennas A/S** | Fabriksparken 40, DK-2600 Glostrup, Denmark
Phone: +45 4581 0413 | acantennas@acantennas.com | www.acantennas.com

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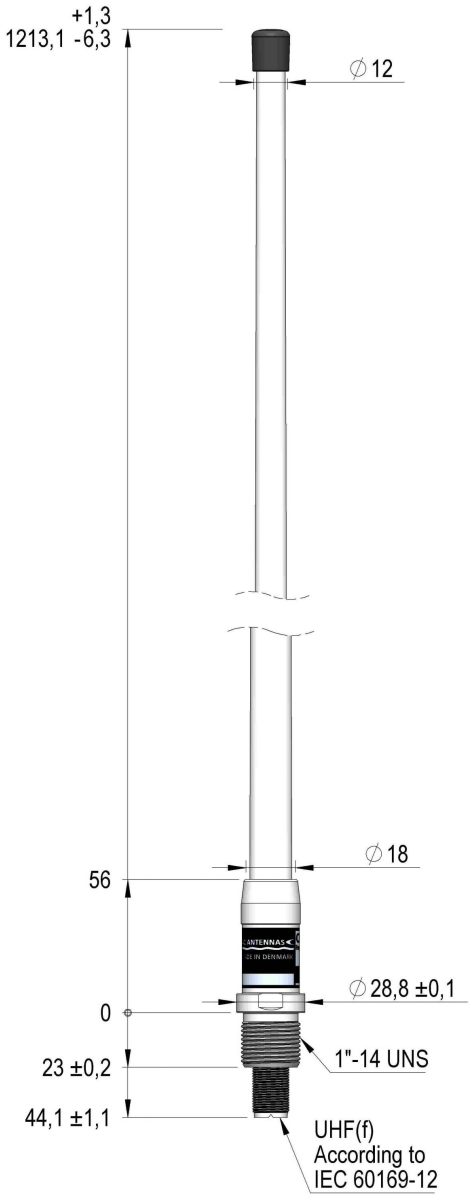


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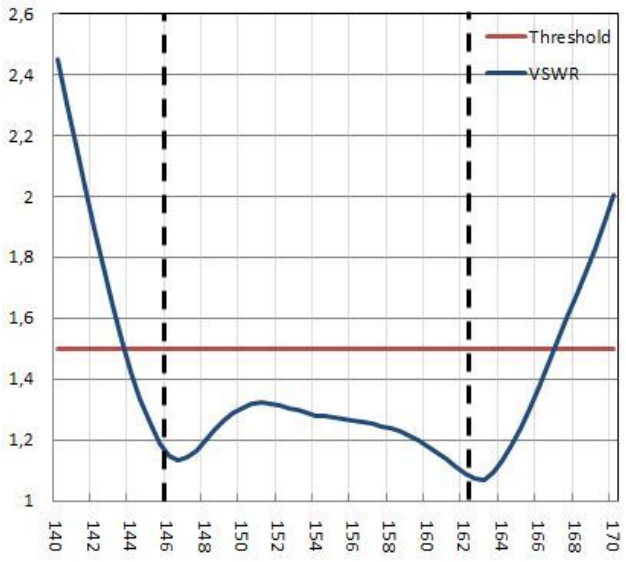
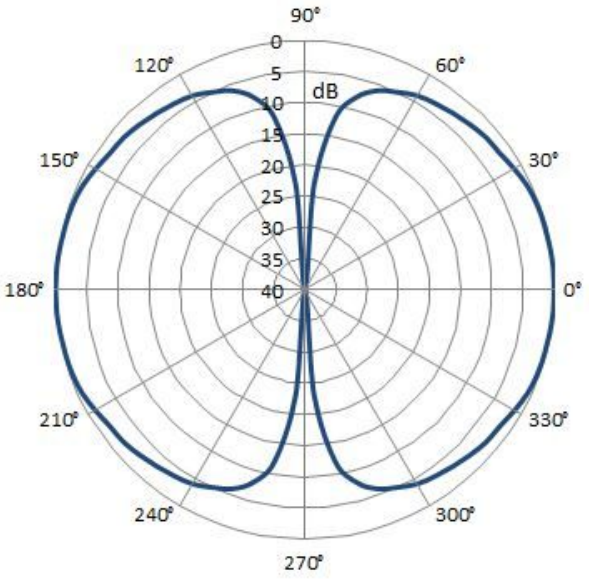
## VSWR

Voltage standing wave ratio is a measure of the energy lost in the coax cable/antenna connection. The figure to the right shows VSWR measurement based on the average of a significant numbers of antennas. All antennas delivered by AC Antennas are tested and the VSWR is guaranteed in the specified frequency range.




## Vertical Radiation Pattern

Vertical radiation pattern for the omnidirectional antenna at the center frequency. The figure to the right shows that the antenna has 0 dB gain near the horizontal plane.

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