

Image Intelligence in Real-Time



As the marine domain becomes increasingly important for surveillance aircraft, Troll Systems has developed new omnidirectional antennas certified to withstand shock, salt corrosion, water intrusion and operate at extreme temperatures (high or low).

Troll's dual-polarized omnidirectional antennas are comprised of two elements, a vertically polarized coaxial sleeve dipole and horizontally polarized turnstile slot. Combined in a single enclosure. Troll's marine qualified antennas are tested to Mil-S901D. Each antenna is housed in solid enclosure that is engineered and certified to meet IP65 standard which guarantees optimum survivability even in the most demanding marine environments.

Vertical Antenna Type: Dipole

Horizontal Antenna Type: Turnstile Slot

Currently available frequencies:

UHF BAND - 425 MHz - 450 MHz

C BAND - 4.7 GHz - 5.0 GHz

Air-to-Ground Ethernet Connectivity

Dual-Polarized Omnidirectional Marine Antennas



Dual-polarity in a single enclosure
Mil-STD-901D rated antenna
IP65 certification

Antennas for Dual-Band Marine Applications

MARINE OMNI

SPECIFICATIONS

Specifications subject to change without notice.

System Properties

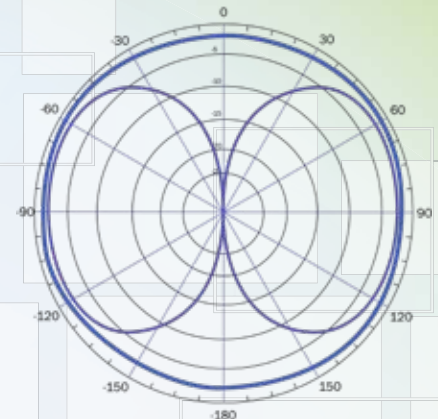
Connection: 2 x N(f)
 MAX Input Power: 100 Watts
 Impedance: 50 Ohm
 VSWR: < 2:1

Antenna Characteristics

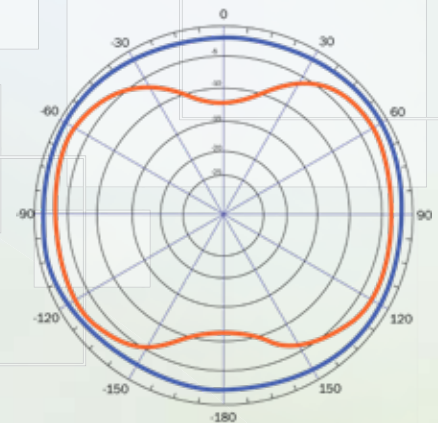
Type Vertical:	Vertical Dipole
Type Horizontal:	Turnstile Slot
Frequency Band:	UHF BAND - 425 MHz - 900 MHz
Frequency Band:	C BAND - 4.7 GHz - 5.0 GHz
Vertical Beamwidth:	60°
Horizontal Beamwidth:	360°
Antenna Gain Vertical:	3dBi
Antenna Gain Horizontal:	3dBi
Elevation Horizontal:	+/- 26°
Elevation Vertical:	+/- 30°

Environmental

Operating Temperature: - 40°C to + 80°C



Vertical Polarization



Horizontal Polarization



The Data Link Experts

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