

Application

The AV60BI8 is a high gain antenna designed for the maritime VHF radio telephone service. It is a high quality antenna with a durable construction and a beautiful finish for installation on all kinds of vessels.

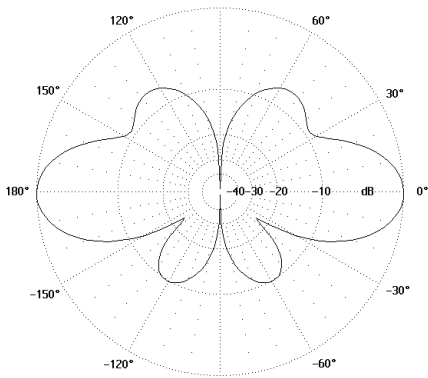
Electrical specifications

Frequency range	156-159 MHz, VSWR < 1.5 : 1 159-162 MHz, VSWR < 2.5 : 1
Nominal impedance	50 ohm
Power rating	100 W
Gain	6 dB
Pattern	Horizontal plane: Omnidirectional Vertical plane: See plot
Polarization	Vertical
Connector	BNC female
DC-grounded	Yes

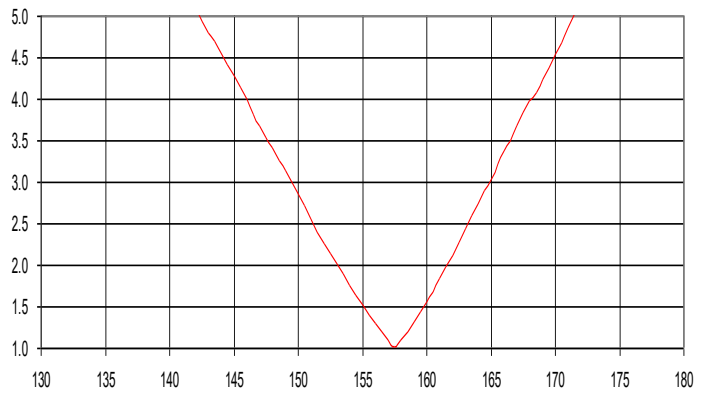
Mechanical specifications

Design	Collinear $5/8 \lambda$ wave phased brass elements. Radiating element completely enclosed in polyurethane foam within a fibreglass tube.
Height	2.4 m, 8'
Weight	1.1 kg
Wind rating	55 m/s = 125 mph
Finish	Polyurethane lacquer, white
Temperature range	-55 °C, +71 °C; -67 °F, +160°F

Plots



Vertical radiation diagram
f= 156.8MHz

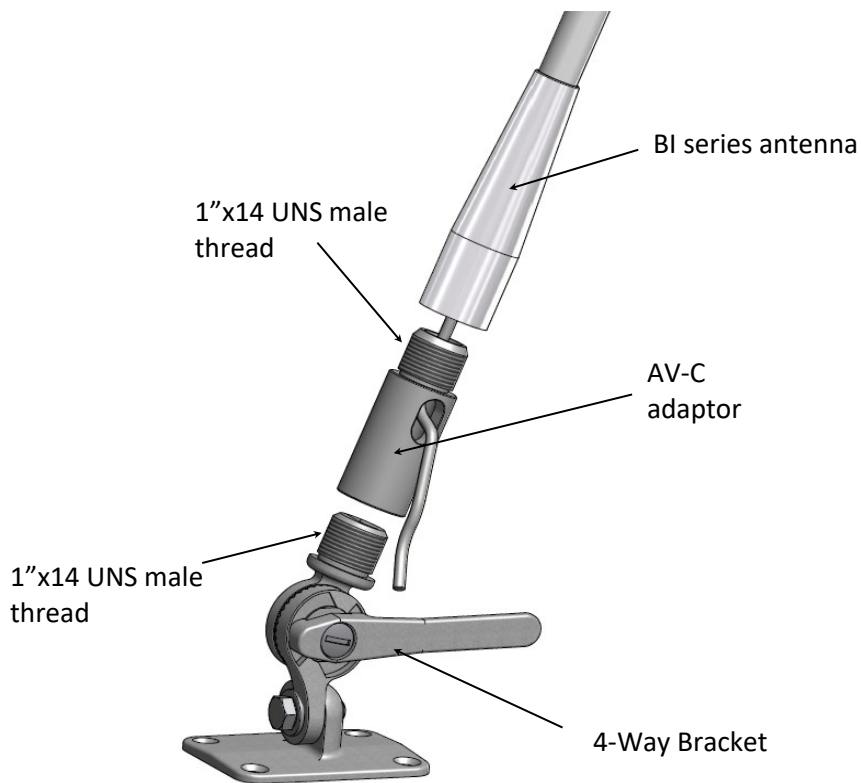


Standing wave ratio

Optional Accessories

The AV60BI8 is fitted with a standard UNS 1"x11 female thread and can be used with all standard mounting accessories. The 4-way bracket will require a AV-C adaptor. The straight mount bracket can be used with or without a AV-C adaptor depending on the required cable exit.

4-Way Bracket



Straight Mount Bracket

