



WISUNG V20PS-11AIS

The Marine 162MHz AIS and DSC VHF Band Antenna



Description

- ▷ V20PS-11AIS is an efficient active hi epoxy fiberglass completely encloses the carefully and chromed brass armature for mounting and the coaxial Rf cable designed radiating element to assure long dependable service in all climates. Marine VHF high quality $1/2 \lambda$ coaxial broadband whip antenna the SOTDMA-frequency 156~174MHz covered nine models designed for the mobile marine AIS and VHF Ch.70DSC Ch.87-frequency 161.975MHz / Ch.88 162.025MHz band radio telephone with passenger plane and defense ship with warship services and may be installed on all kinds of vessels.
- ▷ V20PS-11AIS has a shipshape SWR on the RX-Frequencies (SWR 2.5), which is just as important as it is for the TX-Frequencies (SWR 1.5). Furthermore, the antenna is a grounded radiator whip antenna and therefore it shows a DC-short across the coaxial RF cable.

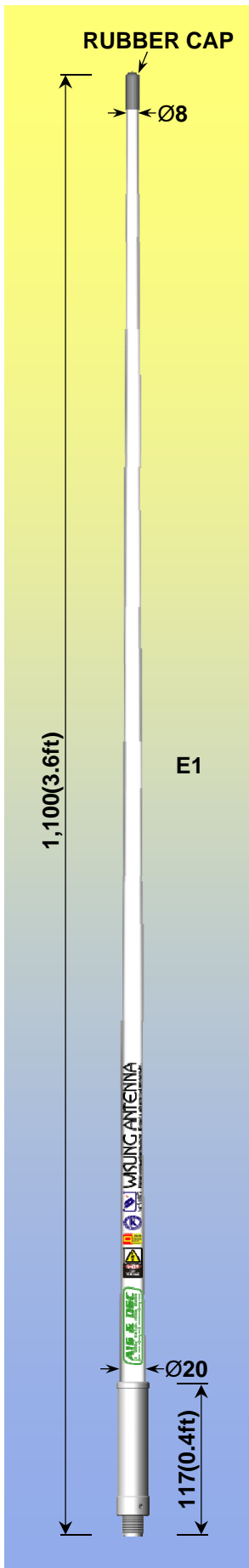
Electrical specifications

Model	V20PS-11AIS
Frequency range	TX : 159.3MHz~164.4MHz < SWR < 1.5 RX : 155.5MHz~168.7MHz < SWR < 2.5
Center frequency	162MHz <-33dB>
Band width	5MHz < SWR < 1.5 / 14MHz < SWR < 2.5
Termination	UHF-Female is standard and M connector
Polarization	Vertical
Pattern	Omni-directional
Impedance	Normal 50Ω
Gain	3dBi
DC-grounded	Yes
Max power rating	120Watts

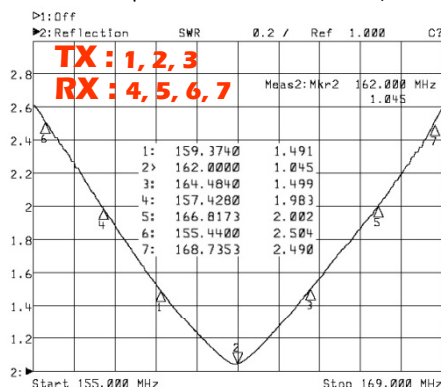
MODELS	Frequency
V20PS-13ORB	139.0~157.0MHz
V20PS-05ORB	139.0~157.0MHz
V20PS-11M	149.9~162.7MHz
V20PS-11MD	149.9~162.7MHz
V20PS-05M	149.9~162.7MHz
V20PS-11AIS	155.0~168.0MHz
V20PS-05AIS	155.0~168.0MHz
V20PS-11H	161.81~177.0MHz
V20PS-05H	161.81~177.0MHz

Mechanical specifications

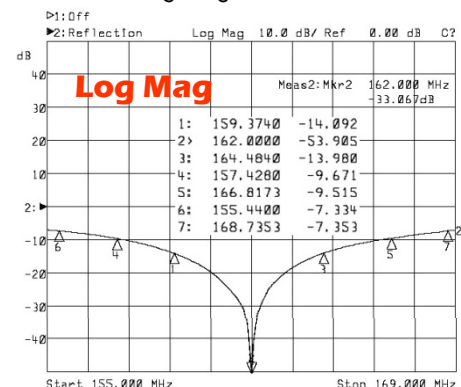
Total height	1.1M (3.6ft)
Number of sections	1 Step
Weight	Section E1 0.9Kg Including, 2PCS stainless steel plate bracket mounting bolt hole Ø9 2PCS U-bolt : 1.0kg
Total weight	1.9kg
Temperature range	-54°C to 80°C (-65.2°F to 176 °F)
Wind loading	60m/s(216km/h)=134mph
Finish	Poly-urethane lacquer. White
Element material	Hi epoxy fiberglass



SWR CHART(155.4MHz~168.7MHz<SWR<2.5)



Log Mag 10.0dB / Ref



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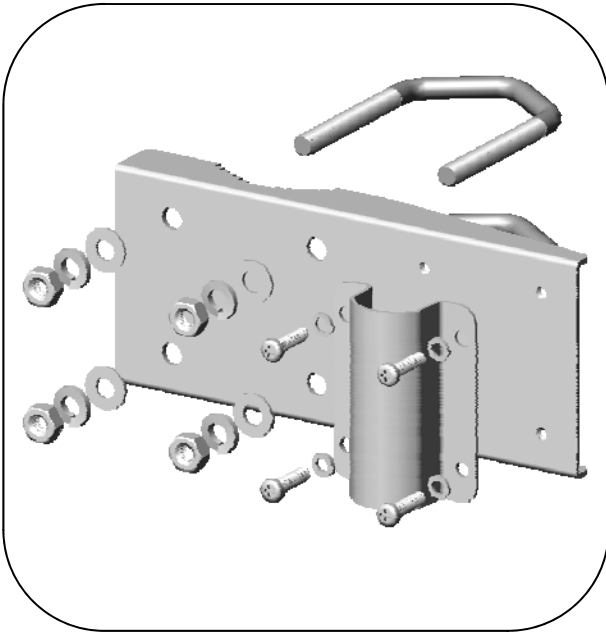
WISUNG V20PS-11AIS [1.1M(3.6ft)]

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Constitution

- 1) Antenna : White, characteristic wisung epoxy fiberglass. with whip
- 2) Down whip element stuff : Brass
- 3) Antenna installation proposal :
V20PS-11AIS is easily mounted to pipe bottom section by means of bolt holes $\varnothing 9$ 2PCS in the stainless steel plate bracket or 2PCS to a stainless steel pipe or steel pipe with U-bolt.
The L62 5/16tap U-bolt in stainless steel are included.
Sus pipe size 2t MAX $\varnothing 48.8$ STANDARD $\varnothing 42.7$ MIN $\varnothing 30.0$

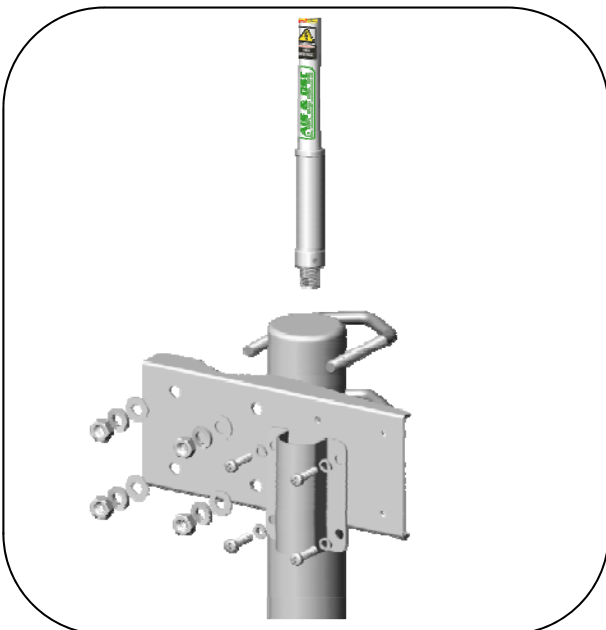
Bracket assembly method



Antenna assembly method



Method to establish antenna in support



State that antenna is established



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