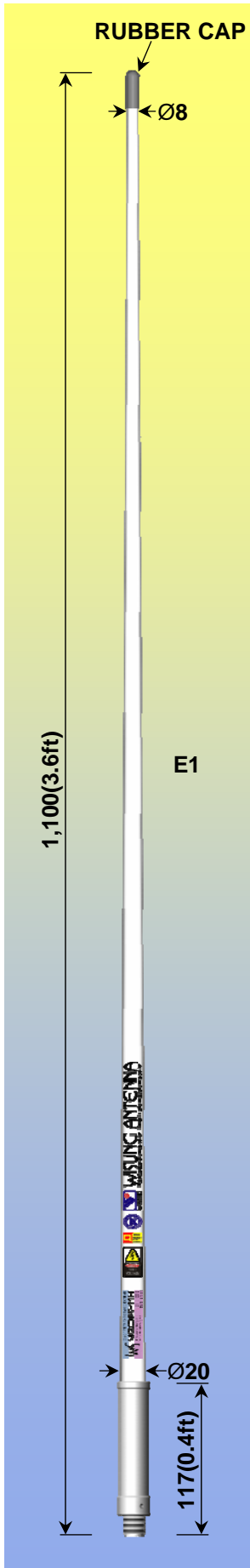




# WISUNG V20PS-11H The marine 170MHz VHF Band Antenna



## Description

- ▷ V20PS-11H 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  $1/2 \lambda$  dipole coaxial broadband antenna the RX-frequency 139~177MHz nine models designed for the mobile marine TX-frequency 166.4~173.4MHz band radio telephone with passenger plane and defense ship with warship services and may be installed on all kinds of vessels.
- ▷ V20PS-11H has a shipshape SWR on the RX-Frequencies, which is just as important as it is for the TX-Frequencies.  
Furthermore, the antenna is a grounded radiator antenna and therefore it shows a DC-short across the coaxial RF cable.

## Electrical specifications

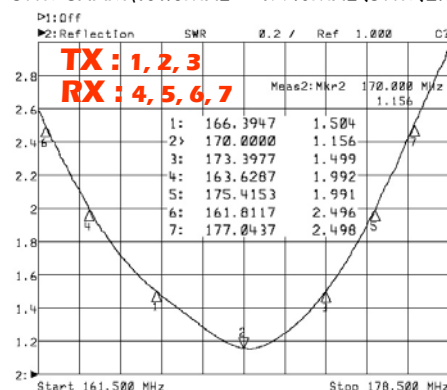
Model	<b>V20PS-11H</b>
Frequency range	<b>TX</b> : 166.39MHz~173.39MHz < SWR < 1.5 <b>RX</b> : 161.81MHz~177.04MHz < SWR < 2.5
Center frequency	170MHz <-22dB>
Bandwidth	7MHz < SWR < 1.5 / 15MHz < SWR < 2.5
Termination	UHF-Female is standard and M connector
Polarization	Vertical
Pattern	Omni-directional
Impedance	Normal 50Ω
Gain	5dBi (3dBd)
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
<b>V20PS-11H</b>	<b>161.81~177.0MHz</b>
V20PS-05H	161.81~177.0MHz

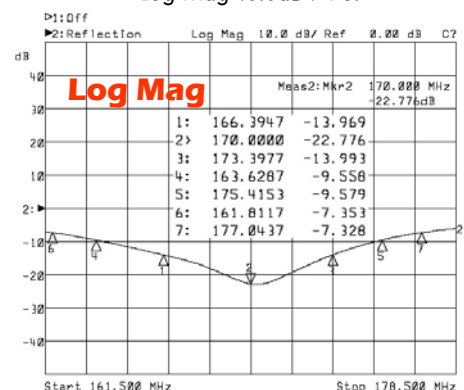
## Mechanical specifications

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 Ø10.5 2PCS U-bolt : 1.0kg
Total weight	1.9kg
Temperature range	-55°C to 80°C (-67°F to 176 °F)
Wind loading	80m/s(288km/h)=178mph
Finish	Poly-urethane lacquer. White
Element material	Hi epoxy fiberglass

SWR CHART(161.8MHz ~ 177.0MHz<SWR<2.5)



Log Mag 10.0dB / Ref



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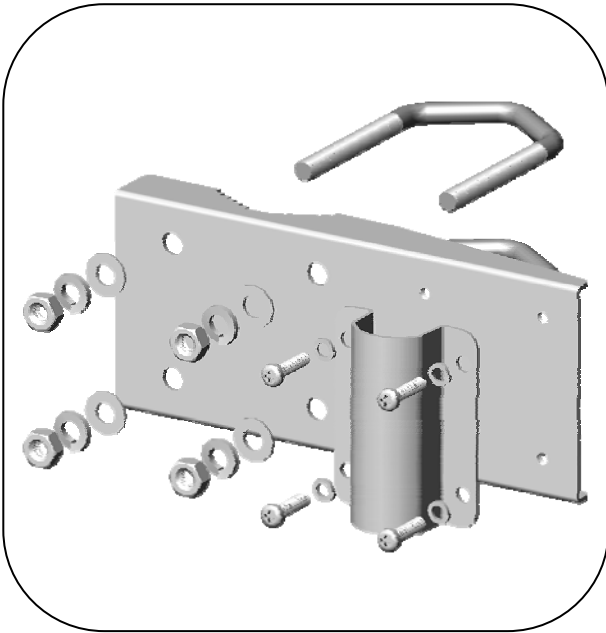
# WISUNG V20PS-11H [1.1M(3.6ft)]

## The marine 170MHz VHF band Antenna

### Constitution

- 1) Antenna : White, characteristic wisung fiberglass. with whip
- 2) Down whip element stuff : Brass
- 3) Antenna installation proposal :  
V20PS-11H 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 5/16 tap U-bolt in stainless steel are included.  
Sus pipe size 2t MAX  $\varnothing 48.8$  STANDARD  $\varnothing 42.7$  MIN  $\varnothing 30.0$

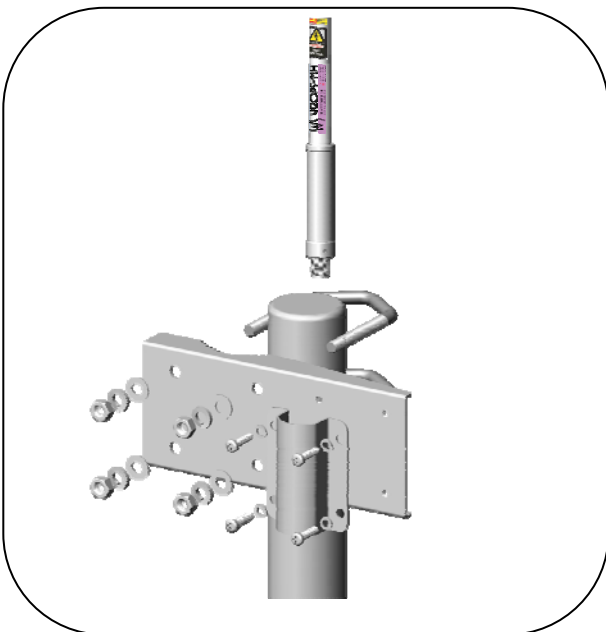
### Bracket assembly method



### Antenna assembly method



### Method to establish antenna in support



### State that antenna is established



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