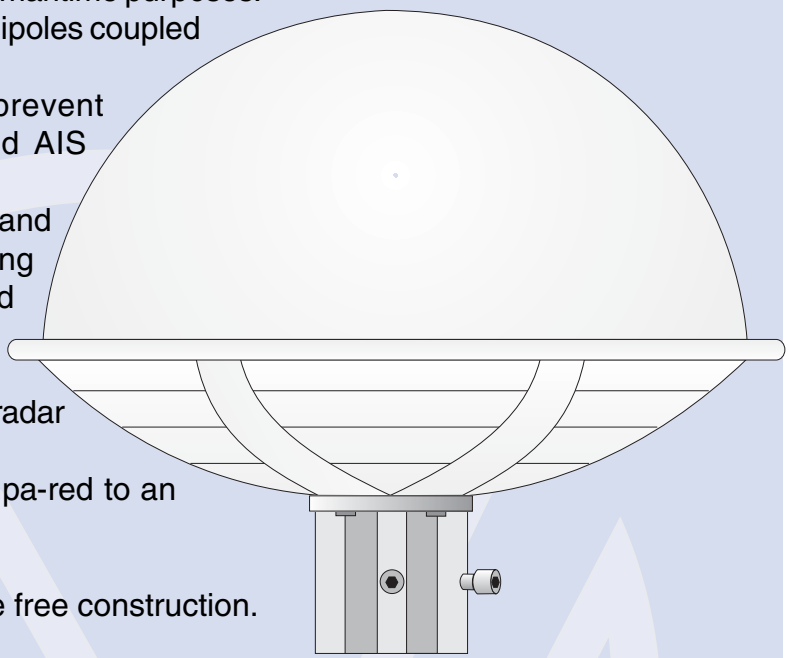
TV-FM-AM antenna Mark 22CA

Mark 22CA is an omni-directional wide band antenna 0.1-30 and 40-860 MHz) TV-FM-AM, for maritime purposes. It is based on a construction of circular dipoles coupled to an amplifier via a broadband filter.
High efficiency suppression filters prevent interference from VHF telephone and AIS transmitters.

Mark 22CA is made of ABS plastic and filled with polyurethane foam. Mounting base in saltwater proof special alloy and bolts in stainless acid-proof steel.

Mark 22CA is tested by "Det Norske Veritas" for the same approval as for radar equipment.

The advantages of Mark 22CA compa-red to an Yagi antenna are:

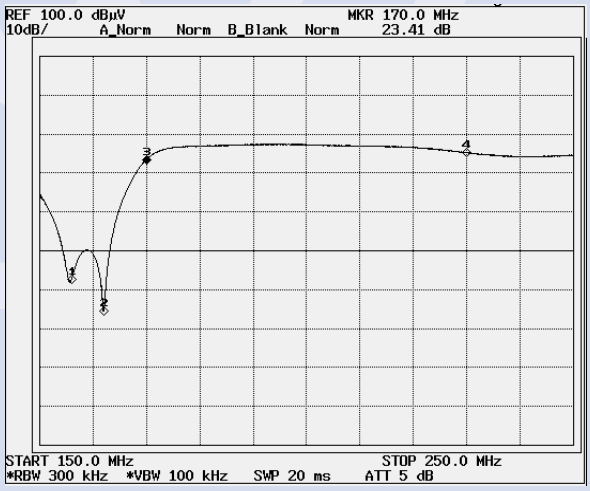


- Rigid, non-corrodible, maintenance free construction.
- Small dimensions and easy to mount.
- Omni-directional, no adjustments.
- Replaceable amplifier.
- Integrated VHF/AIS suppression filters.

TECHNICAL SPECIFICATIONS

Frequency range:	0.1-30 MHz and 40-860 MHz
Gain:	14-25 dB
Noise factor:	6.0 dB
Max. output level:	111 dBµV
(2 signals -50db IMA)	
Output impedance:	75 ohm
Connector:	BNC male
Supply voltage:	15 V DC
Current consumption:	approx. 150 mA
EMC:	EN 50082-1, 55024-2, 55024-4
Operation temp. range:	-40 - +70°C
Wavetraps:	156 MHz VHF (radiptelephone)
Weight:	3 kg
Material:	ABS plastic white
Approvals:	DNV's Standard for Certification No 2.4, chapter 3.6.2, Sweep Sine Test, vibration strain class C
Protection:	IP68, housing only *(Excl BNC connector)*

CE RoHS 2002/95EC



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1. 156 MHz -7.4 dB (VHF)
2. 162 MHz -15.8 dB (AIS)
3. 170 MHz 23.4 dB
4. 230 MHz 25.0 dB

Since 1971, the objective of Naval Electronics has been to offer the best possible products for TV and Radio reception at sea. Naval began with omnidirectional antennas and is the world leader in this field of technology today. Now, with an expanded product range, the name Naval means much more than antennas. Naval operates in more than 40 countries and has installations on thousands of vessels all over the world.

All specifications stated are subject to change without notice.

Naval®
Marine Broadband Communication

DNV SS-EN ISO 9001

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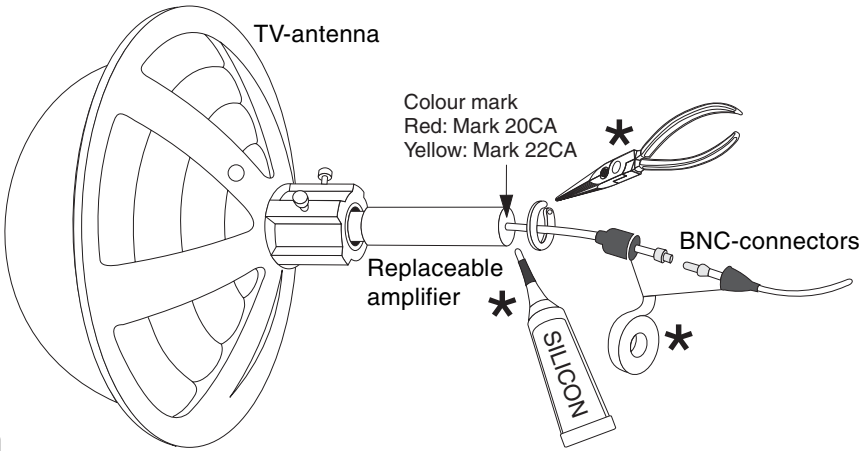
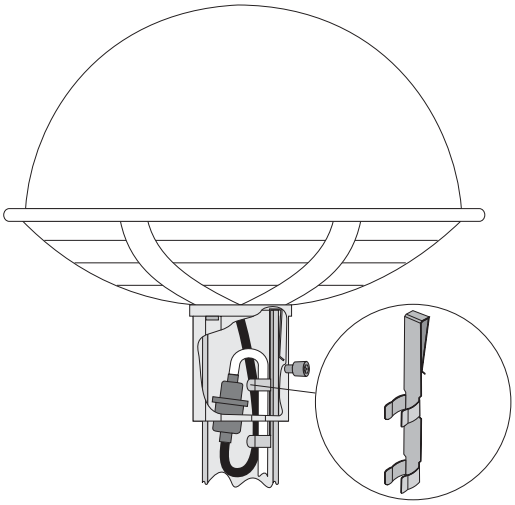
Changing the amplifier

Antennas are as standard delivered with the amplifier mounted and sealed with silicon compound. The coaxial cable is supplied with a female connector which must be carefully sealed after connecting the replaceable amplifier. Compress the rubber covers and secure with vulcanizing silicon rubber tape.

(* local supply)

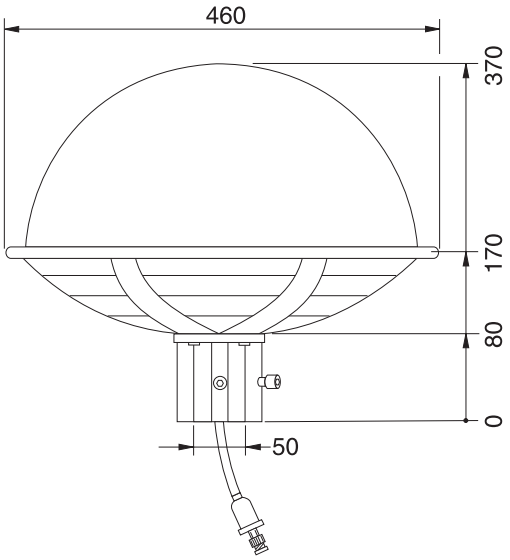


Mounting of cable holder



Mechanical measurements

All measures in mm.



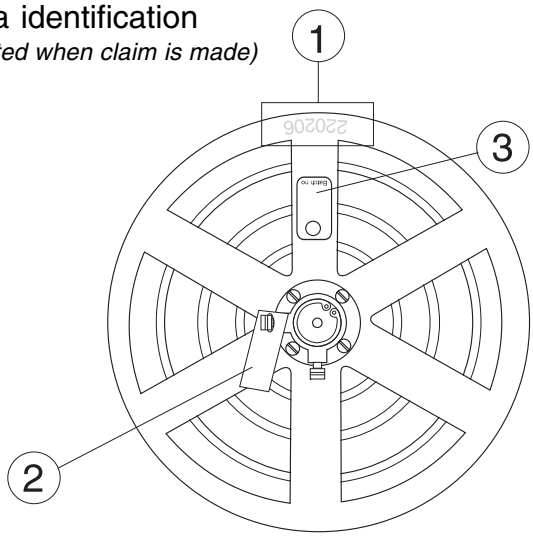
Trouble shooting

If the system is not working satisfactory, please check the following:

1. Proper supply voltage to powersupply
2. Connections
3. Output voltage from powersupply to antenna (should be +15 V DC)
4. Antenna current (approx. 130-150 mA)

Antenna identification

(to be stated when claim is made)



1. Serial no.
2. Inspection tag
3. Type label

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Order No. 201.040	Shippingweight: 5.5 kg Standard package: 1 Volume: 59 cdm