



# HM215-L

## 2-piece omnidirectional vertical radiator

### HF marine radio 2-30 MHz

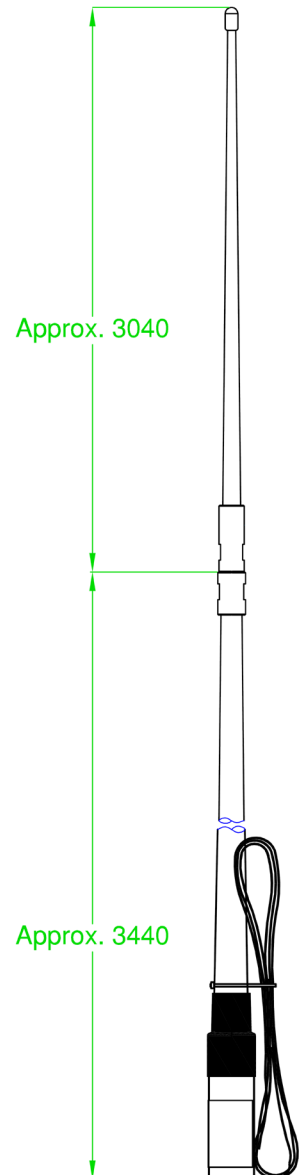


The HM215-L 2-piece fold down vertical radiator is designed for HF marine communications, on either a vessel or structure/tower. The 2-piece design reduces courier cost over a standard HM215, but requires additional assembly.

This antenna is designed to couple with transmitters via an Antenna Tuning Unit (A.T.U.). Customers should verify with their supplier whether their A.T.U. specification will load the given length of radiator for this antenna at the lowest frequency required.

Mounting hardware, water-proofing, bird-proofing and other installation accessories are all available separately.

Construction	2-piece white tapered fibreglass radome, chrome ferrule and fold down mount base
Frequency range	2-30 MHz - HF
Tuning	Field tuning using suitable Automatic Tuning Unit (A.T.U.)
Gain	2.1 dBi
Maximum power	250 Watts P.E.P.
Impedance - nominal	An A.T.U. is required to match to 50 Ohms
Polarisation	Vertical
Cable	5.0 metres 20kV single core cable - side exit from ferrule
Height - including mount	Assembled: 6.5 metres Packed: 3.5 metres
Weight - including mount	2.0kg
Mounting hardware supplied	MM2 - 316 stainless steel dual axis fold-down mount
Alternate mounting order separate	MMA-SS - mast mount adaptor for tower/mast mounting using 2 x EB1-SS or UB3-SS - consult ZCG
Mounting position recommended	Mount as high on your vessel/structure or tower as possible ensuring no obstructions.
Installation tools required	30mm and 27mm spanners for sectional securing Flat head screw driver and 14mm and 16mm spanners for fold-down mount securing



MM2 316 stainless steel dual axis fold-down base supplied

New  
Product

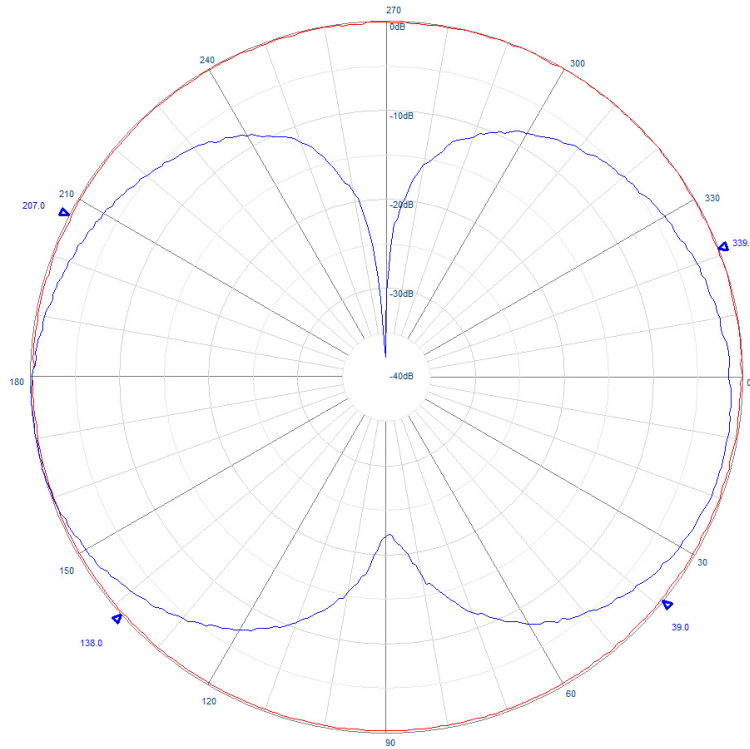
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East Gippsland

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Example radiation pattern

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Alternate mounting hardware

 <p>MM1 toughened white nylon dual axis fold down mount</p> <p>Requires mounting screws/ bolts and mounting hardware for antenna</p>	 <p>MM2-B black finish 316 stainless steel dual axis fold down mount</p> <p>Requires mounting screws/ bolts and mounting hardware for antenna</p>
 <p>MMA series - anodised aluminium mast mount adaptor 250-1200mm</p> <p>Requires mounting hardware EB1-SS or UB2-SS</p>	 <p>MMA-SS - 304 stainless steel mast mount adaptor 250mm</p> <p>Requires mounting hardware EB1-SS or UB2-SS</p>
 <p>CFB series - Galvanised steel 'J' hockey stick brackets, 1.1 - 2.1 metres.</p> <p>Requires mounting screws/ bolts and mounting hardware for antenna</p>	 <p>SFB Series - galvanised steel pole extension 0.9-2.0 metres Roof or overhang mounting</p> <p>Requires mounting screws/ bolts and mounting hardware for antenna</p>
 <p>A-2654-2 - aluminium extension pole 1.1 metres includes 2 x 48mm U-bolts</p> <p>Requires antenna mounting hardware</p>	 <p>EB1-SS - requires 2 304 stainless steel parallel clamp</p> <p>Boom: 20-40mm capability Mount pole: 25-45mm capability</p>
 <p>UB3-SS 304 stainless steel parallel clamp</p> <p>Boom: 20-32mm capability Mount pole: 20-50mm capability</p>	 <p>UB2-SS 304 stainless steel right-angle clamp</p> <p>Boom: 20-50mm capability Mount pole: 20-50mm capability</p>
 <p>RB8 Galvanised steel right-angle clamp</p> <p>Boom: 20-50mm capability Mount pole: 20-50mm capability</p>	

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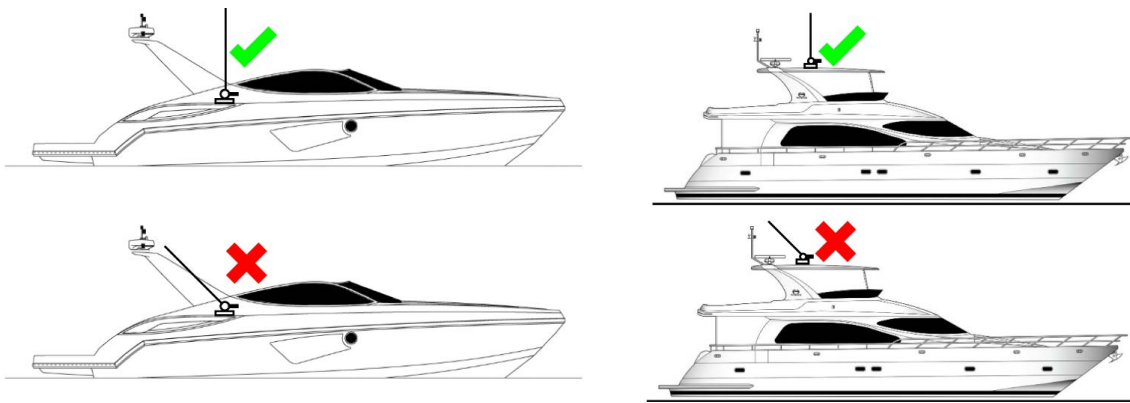
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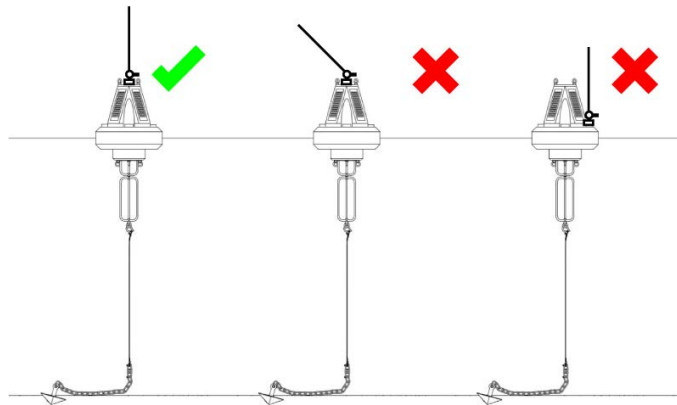
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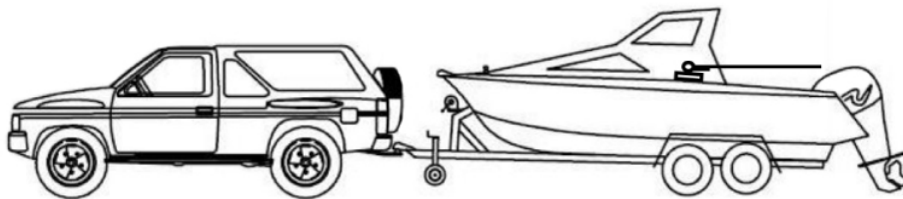
Recommended Installation orientation



Recommended Installation orientation - Buoy location



Recommended transportation orientation



ZCG recommend leaning/tilting the antenna down to parallel to the ground to eliminate any possible contact with overhead obstructions such as trees, overhead powerlines, entrance ways, roller doors or roof beams. Contact with obstructions will cause damage to your antenna or mounting surface.