

ZM14-AIS Series

Vessel mounted fold-down collinear

Automatic Identification System A.I.S. 161.9-162.1MHz


In-stock
Ready to
Ship

The ZM14-AIS antenna is specifically designed for Automatic Identification System (A.I.S.) on marine vessels. The benefit of A.I.S. is that a vessels information such as weight, length, speed and destination is broadcast to all vessels in the near vicinity and online, to improve safety on the water.

Please check with your local nautical authority to the requirements of A.I.S. on your vessel.

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

	ZM14-AIS	ZM14-AIS-5
Construction	White fibreglass radome, chrome ferrule and external cable	
Frequency range	A.I.S. 161.975-162.025MHz	
VSWR	<1.5:1	
Tuning	Factory	
Gain	2.1dBi	
Maximum power	50 Watts	
Impedance	50 Ohms	
Polarisation	Vertical - do not lean/tilt once installed, only during transit	
H Plane	360° omni-directional	
Cable	300mm of white RG58 low loss - side exit from ferrule	5.0m of white RG58 low loss - side exit from ferrule
Connector - fitted	N-type female fitted to cable or specify requirements	
Height	1.4 metres	
Weight	900grams	
Mounting hardware order separate	MM1 plastic fold-down base or MM2 stainless steel MMA or MMA-SS mast mount adaptor for mast mounting Alternate: A-3050 adaptor and 1270 spring base with 1/2" bolt	
Mounting position recommended	Mount as high on your vessel/structure as possible ie. The roof or the deck	



ZM14-AIS
300mm cable



ZM14-AIS-5
5 metre cable



Coaxial cable side
exit from ferrule



N-type female fitted
to cable as standard



MM1 fold-down toughened
nylon base



MM2 fold-down 316
stainless steel base



MMA adaptor, available in
600mm or 120mm



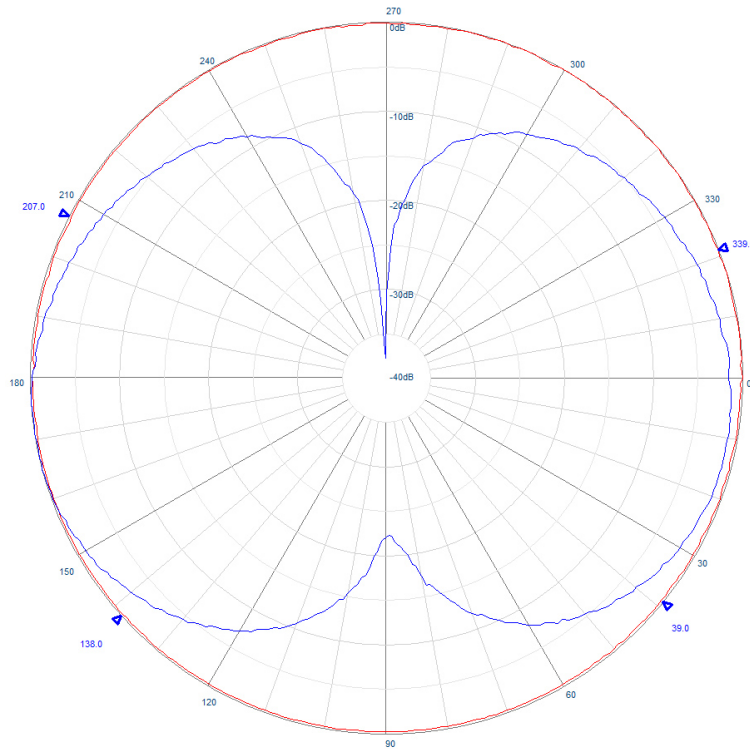
3050 adaptor and 1270
parallel spring

ZM14-AIS Series

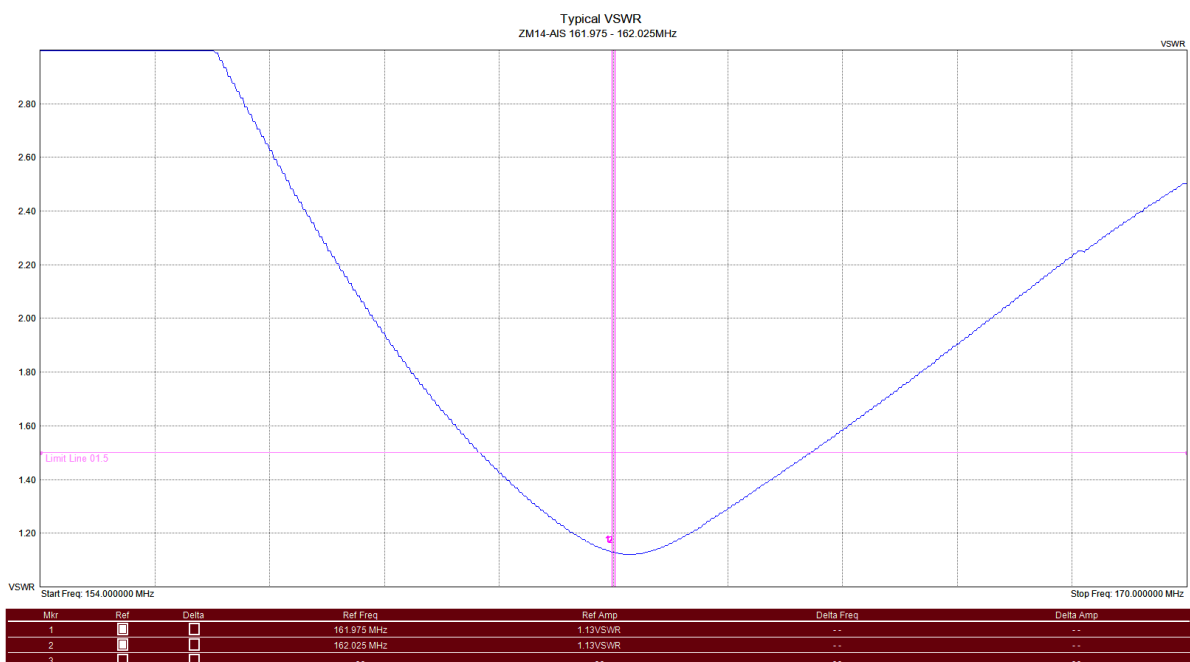
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Example radiation pattern



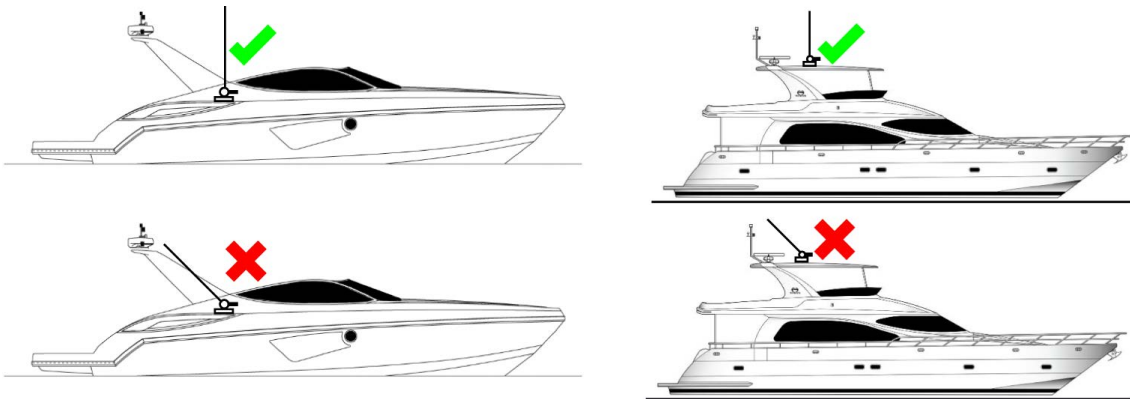
Typical VSWR

ZM14-AIS Series

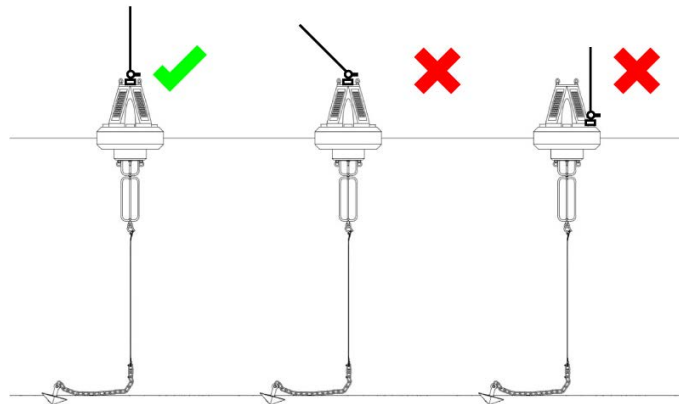
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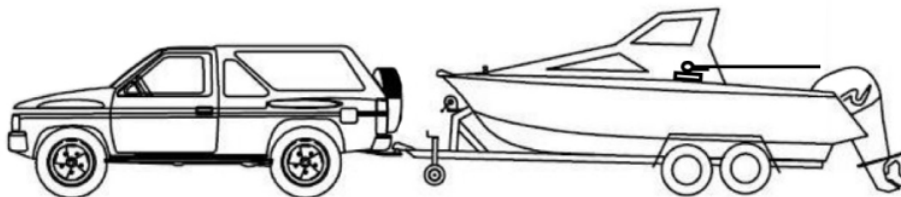
Recommended Installation orientation



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.