



## ZM312H

### Ground dependent 27 MHz whip and base Marine CB radio 27.68-27.98 MHz



The ZM312H fibreglass whip is designed for 27.88MHz marine radio communications while at sea. With a white whip, base and cable this antenna blends onto most marine vessels. The ZM312H is suitable for small to medium vessels or reduced space availability.

**Please note:** This whip requires a metallic ground plane.

Water-proofing, bird proofing and other installation accessories are all available separately.

Construction	White heatshrink coil loaded whip, chrome mount ferrule, Australian standard OB mount base and external coaxial cable
Frequency range	27.68-27.98 MHz - HF favoured for emergency frequencies 27.86 - 27.88 MHz
VSWR	<1.8:1 - emergency channels <2.5:1 - rest of frequency range
Tuning	Factory
Gain	2.1 dBi
Maximum power	25 Watts
Impedance	50 Ohms
Polarisation	Vertical
H Plane	360° omni-directional
Cable	5 metres white RG58 low loss exits from base
Connector - fitted	FME female fitted to cable - for ease of installation
Adaptor - supplied	FME female to UHF male
Height - including base	660mm
Weight	350grams
Ground independent	No - <u>requires metallic ground plane see below</u>
Mounting requirements	Onto metal ground plane/surface minimum 0.5m <sup>2</sup>
Mounting position recommended	Mount as high on your vessel/structure as possible, ensuring no obstructions.
Alternate mounting location	The ZM312H can be fitted onto a vehicle, truck or caravan structure ensuring metallic ground plane present.

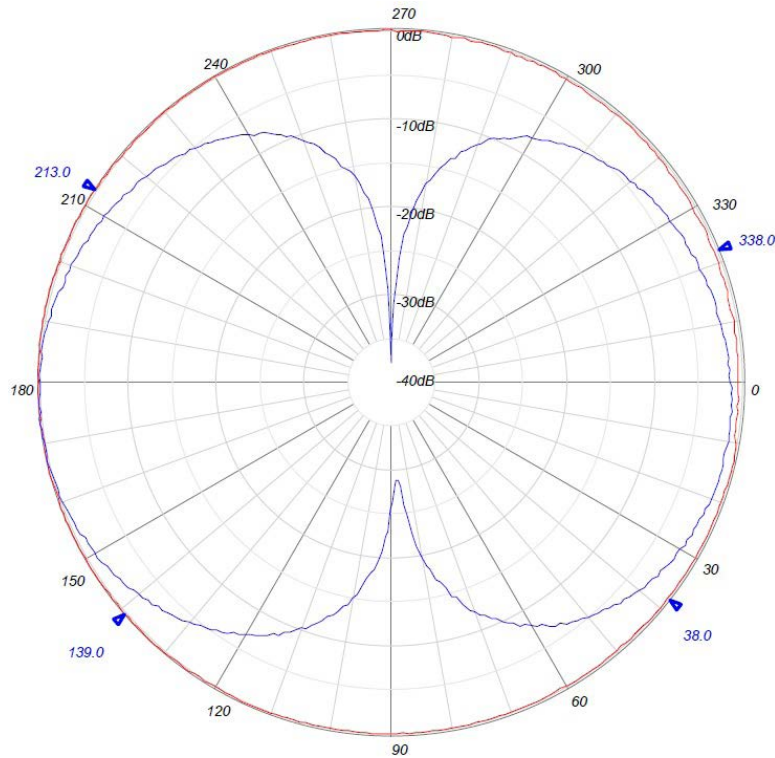


FME to UHF male PL259 adaptor supplied

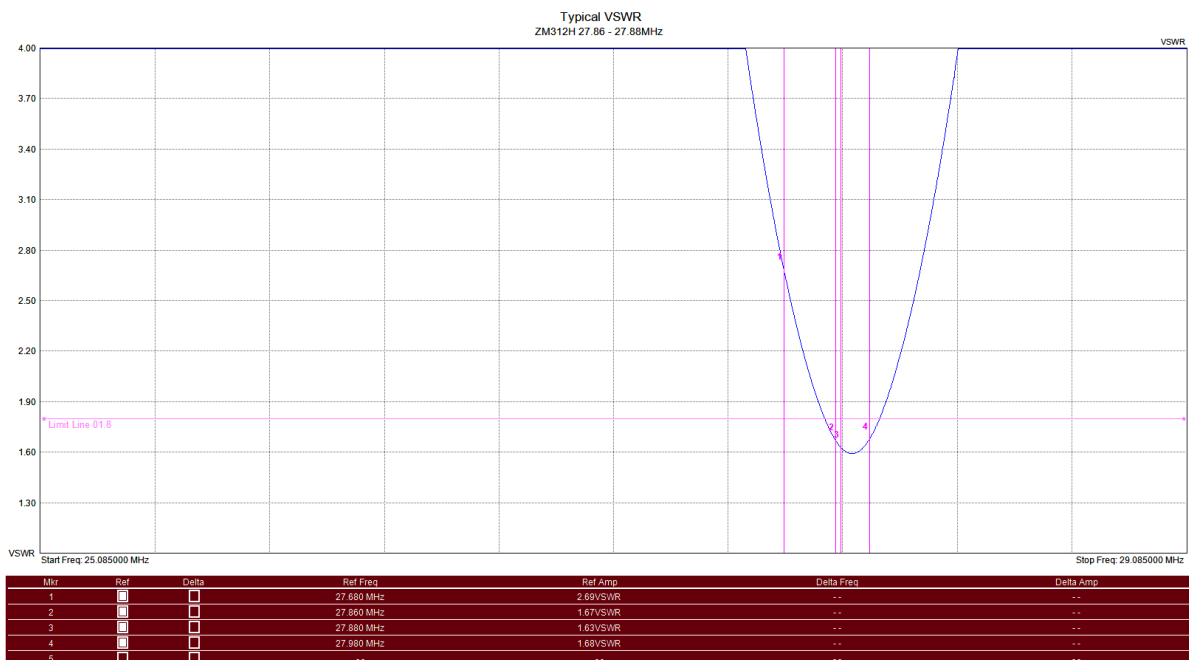


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Example radiation pattern - on 1/2 wave metal ground plane



Typical VSWR



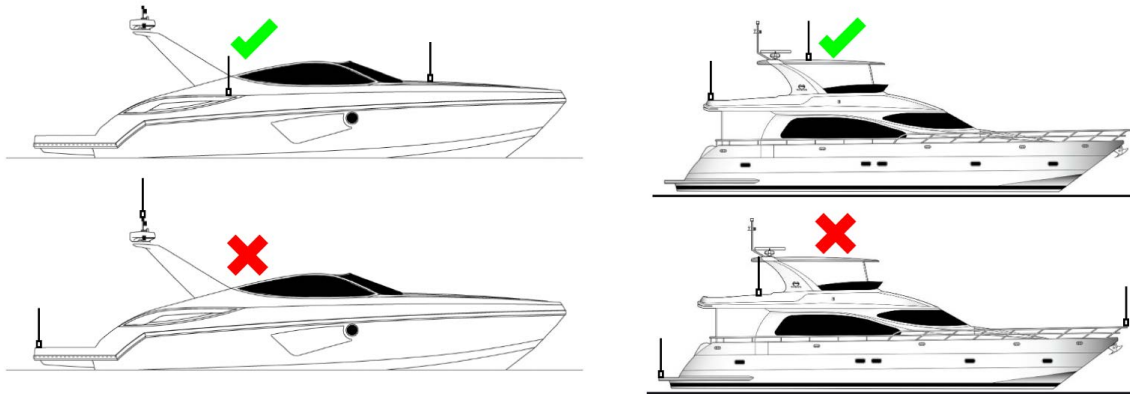


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Recommended Installation orientation  
Must be a metal mounting location for effective performance



Recommended Installation orientation - Buoy location

