



## ZM21-27 & ZM24-27

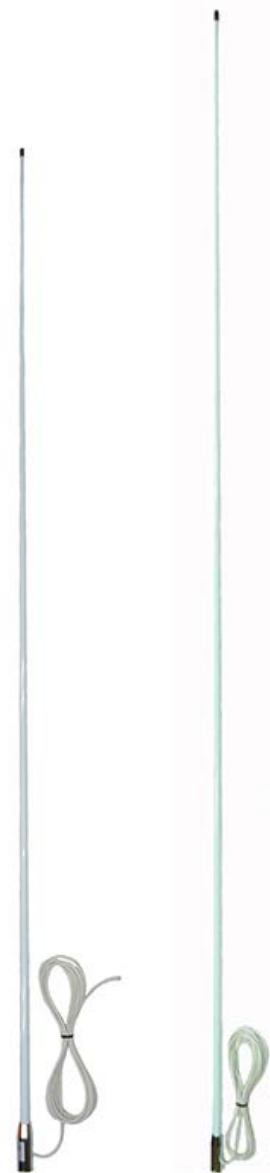
### Vessel deck or mast mount collinear Marine CB Radio 27.68-27.98 MHz



The ZM21-27 and ZM24-27 ground independent deck mount antennas are suitable for 27.68-27.98 MHz marine CB radio communications. The ZM21-27 is identical in appearance to all the ZM21 series of marine antennas. The ZM24-27 is identical in appearance to all the ZM24 series of marine antennas.

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

	ZM21-27	ZM24-27
Construction	White tapered fibreglass radome, chrome mount ferrule, external coaxial cable and supplied termination	
Frequency range	27.68 - 27.98 MHz - Maritime HF CB Radio	
Bandwidth	Tuned for 27.86 & 27.88 MHz marine CB radio emergency channels	
VSWR	<1.5:1 at emergency channels < 2.5:1 rest of band	
Tuning	Factory	
Gain	2.1 dBi	
Maximum power	25 Watts	
Impedance	50 Ohms	
Polarisation	Vertical - do not lean/tilt once installed, only during transit	
H Plane	360° omni-directional	
Cable	4.5 metres RG58 stranded - side exit from ferrule	
Connector	UHF male PL259 solder connector - supplied, not fitted	
Height	2.1 metres	2.4 metres
Weight	1.0kg	1.1kg
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.	



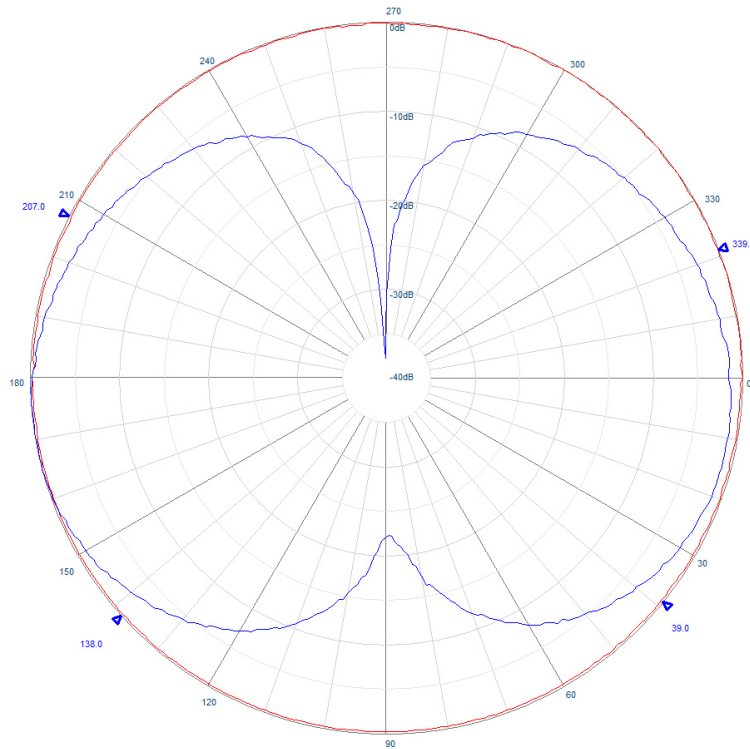
UHF male PL259 - supplied not fitted



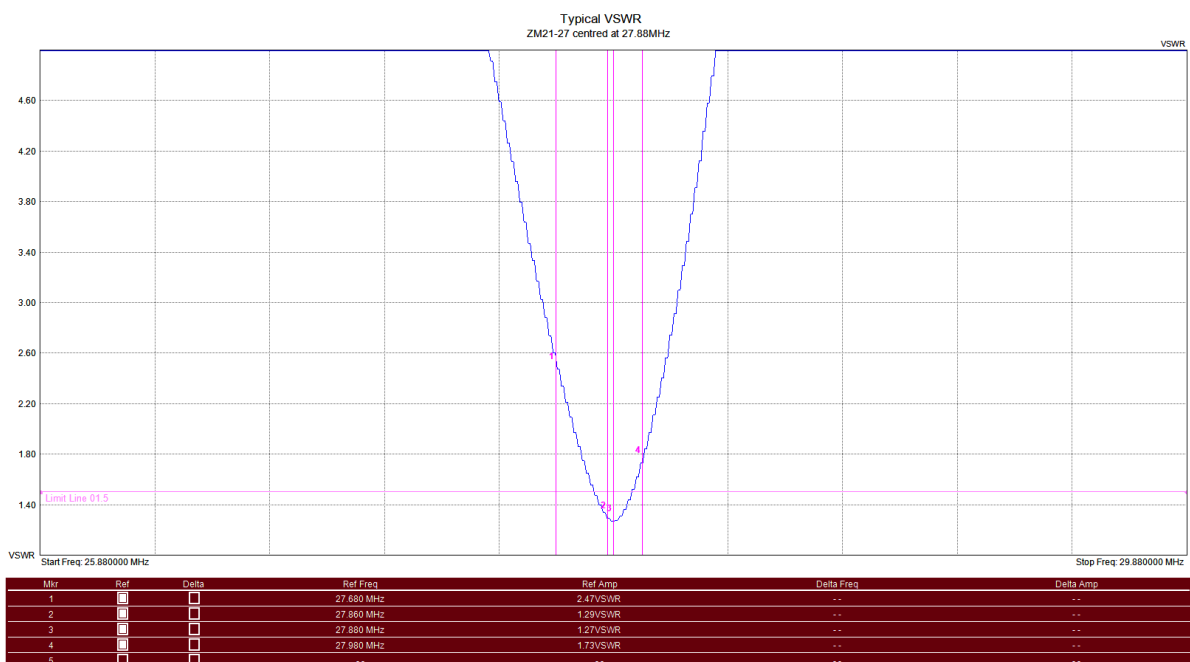
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Example radiation pattern













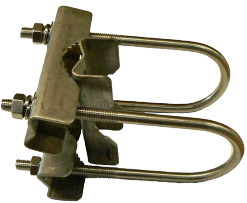

Typical VSWR

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Alternate mounting hardware

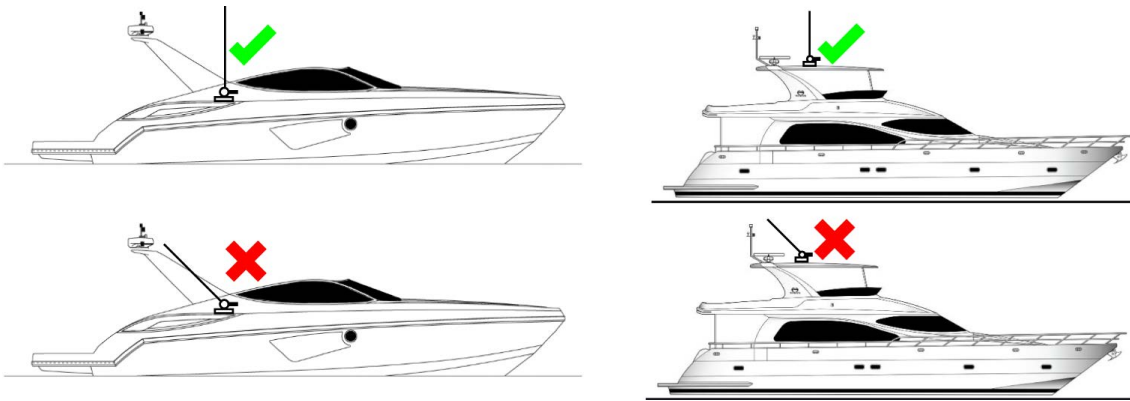
 <p>MM1 toughened white nylon dual axis, ratchet fold down mount</p> <p>Requires mounting screws/ bolts and mounting hardware for antenna</p>	 <p>MM2 316 stainless steel dual axis, ratchet fold down mount</p> <p>Requires mounting screws/ bolts and mounting hardware for antenna</p>
 <p>MMA series - anodised 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-1269 'barrel' spring base + A-3050 mount adaptor</p> <p>For converting marine antenna to spring base mount or for vehicle mounting</p>	 <p>A-1270 'barrel' spring base + A-3050 mount adaptor</p> <p>For converting marine antenna to spring base mount or for vehicle mounting</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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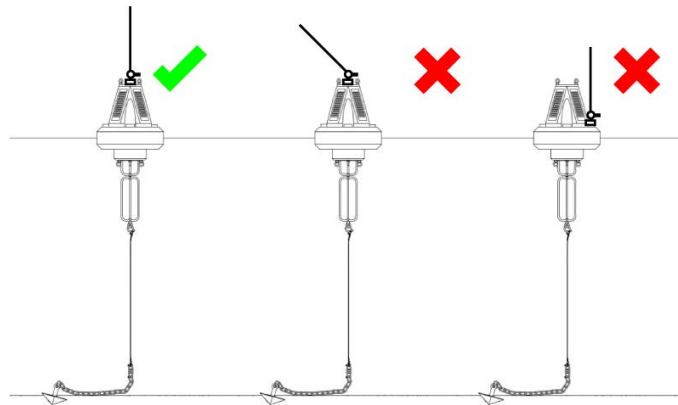
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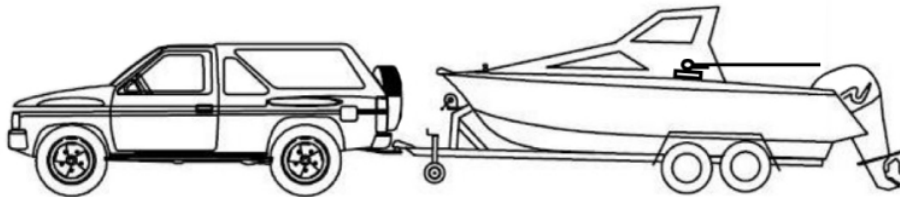
Recommended Installation orientation



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.