



ZM21-UHF & ZM21-477

Deck or mast mount collinear

Marine UHF 400-520 MHz or Marine UHF CB radio 477 MHz



These ground independent, deck mount antennas, are specifically designed and manufactured for marine UHF communications. The ZM21-UHF and ZM21-477 are compatible with all UHF radios on the market and are identical in appearance to all the ZM21 series of marine antennas.

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

	ZM21-UHF*	ZM21-477
Construction	White fibreglass radome, chrome ferrule and external cable	
Frequency range	400-520 MHz - UHF, TETRA or LMR	477 MHz - UHF CB Radio
Bandwidth	Specify any 1.5% and centre frequency when ordering	476.425 - 477.4125 MHz All 40/80 channels
VSWR	<1.5:1	
Tuning	Factory	
Gain	8.1 dBi	
Maximum power	50 Watts	
Impedance	50 Ohms	
Polarisation	Vertical - do not lean/tilt once installed, only during transit	
H Plane	360° omnidirectional	
Cable	4.5 metres RG58 stranded - side exit from ferrule	
Connector	UHF male PL259 connector - supplied not fitted	
Height	2.1 metres	
Weight	1.0kg	
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	



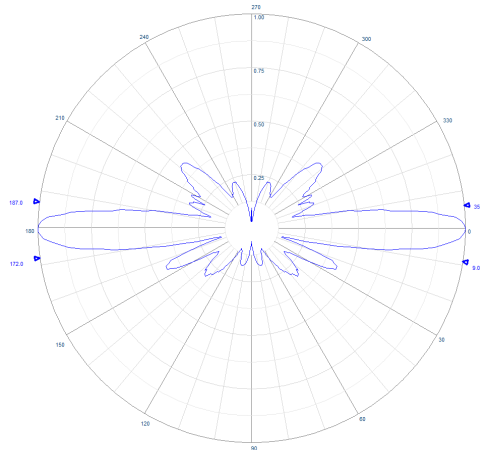
UHF male PL259
supplied, not fitted

ZM21-UHF & ZM21-477

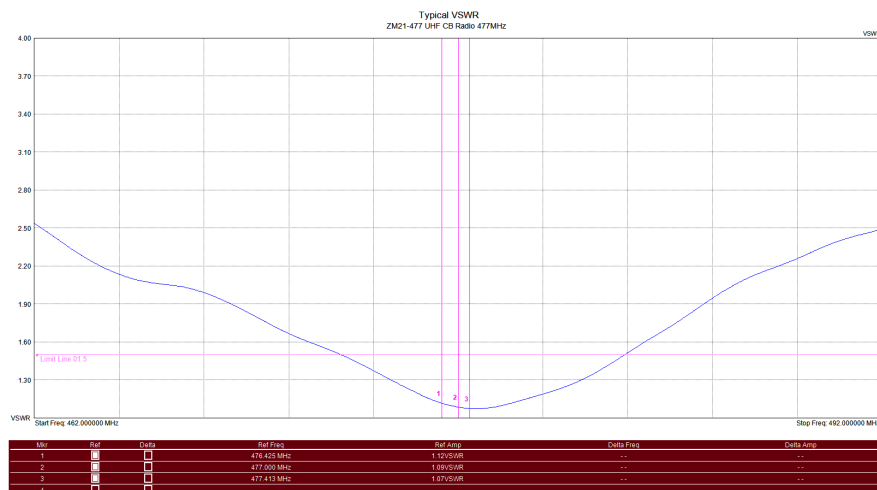
Deck or mast mount collinear

Marine UHF 400-520 MHz or Marine UHF CB radio 477 MHz

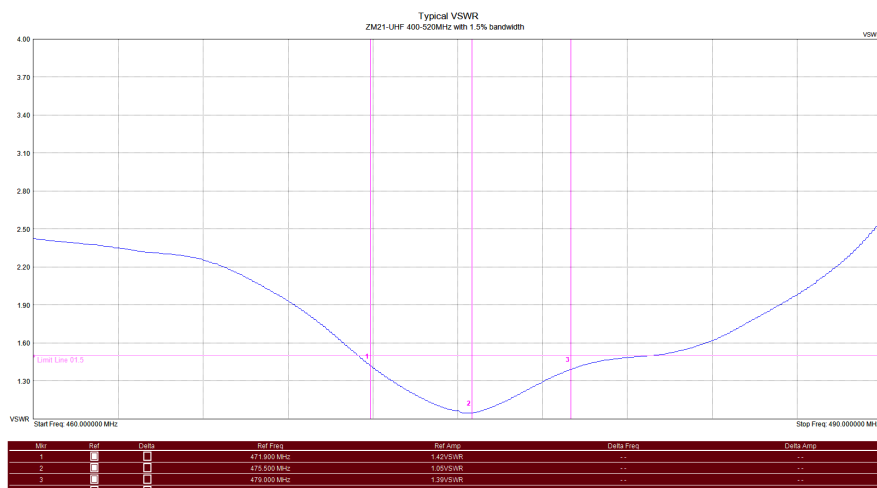

In-stock
Ready to
Ship
* Signifies build to
order item



Example radiation pattern



Typical VSWR - ZM21-477











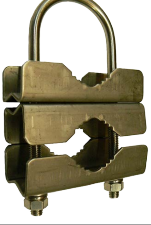

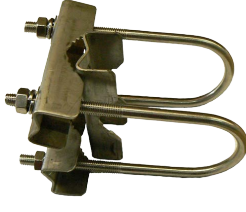
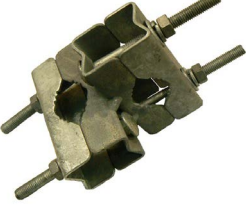
Typical VSWR - ZM21-UHF scaled to specific frequency

ZM21-UHF & ZM21-477

Deck or mast mount collinear

Marine UHF 400-520 MHz or Marine UHF CB radio 477 MHz

Alternate mounting hardware

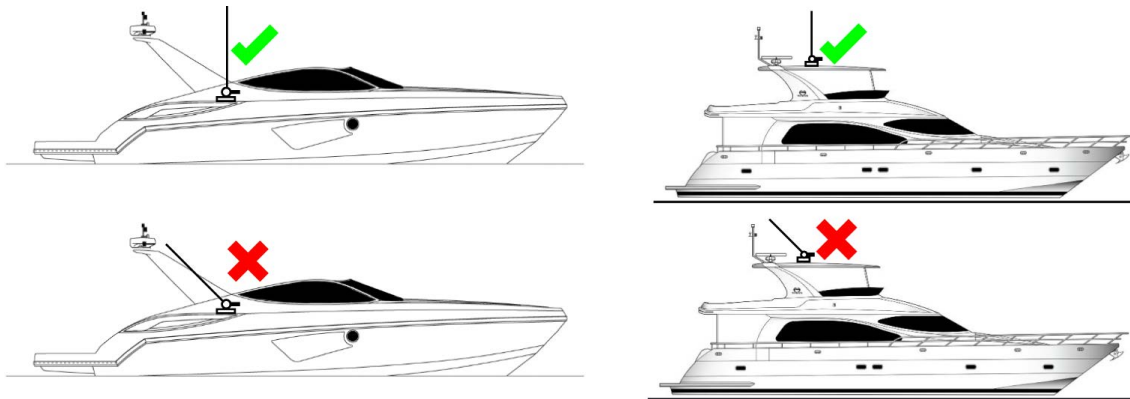
 <p>MM1 toughened white nylon dual axis, ratchet fold down mount</p> <p>Requires mounting screws/ bolts and mounting hardware for antenna</p>	 <p>MM2 316 stainless steel dual axis, ratchet fold down mount</p> <p>Requires mounting screws/ bolts and mounting hardware for antenna</p>
 <p>MMA series - anodised 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>

ZM21-UHF & ZM21-477

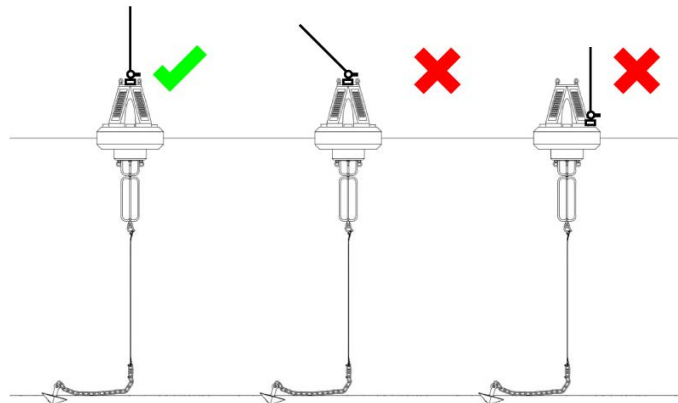
Deck or mast mount collinear

Marine UHF 400-520 MHz or Marine UHF CB radio 477 MHz

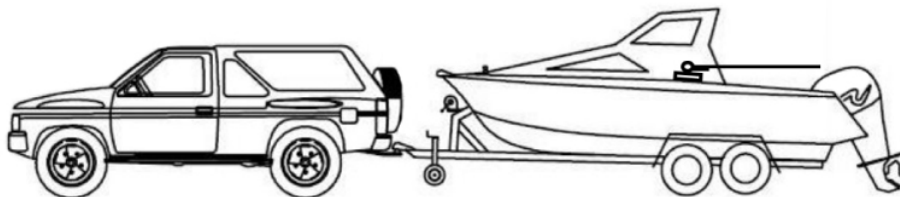
Recommended Installation orientation



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.