



ZM21-CELLN & ZM24-CELLN

Mobile phone/wireless data improvement

Lower 4G 825-890 MHz



The ZM-CELLN series of marine mobile phone/wireless data deck mount models offer the maximum gain and reception practical in a broadband lower 4G network antenna. The ZM21-CELLN is identical in appearance to all the other ZM21 series of marine antennas. The ZM24-CELLN is identical in appearance to all other ZM24 series of marine antennas.



Please check your carriers coverage map for availability of signal in your area. The ZM21-CELLN will not work where no signal is present.

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

	ZM21-CELLN	ZM24-CELLN
Construction	White fibreglass radome, chrome mount ferrule, external cable assembly and termination	
Frequency range	825-890 MHz - Lower 4G All networks within Australia	
Bandwidth	Full frequency range stated - 65 MHz	
Tuning	Factory	
VSWR	<1.5:1	
Gain	8.1 dBi	
Maximum power	30 Watts	
Impedance	50 Ohms	
Polarisation	Vertical - do not lean/tilt once installed, only during transit	
H Plane	360° omnidirectional	
E Plane	13°	
Cable	5 metres white RG58 low loss - side exit from ferrule	
Connector	FME female fitted to cable - for ease of installation	
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, deck or tower/mast.	



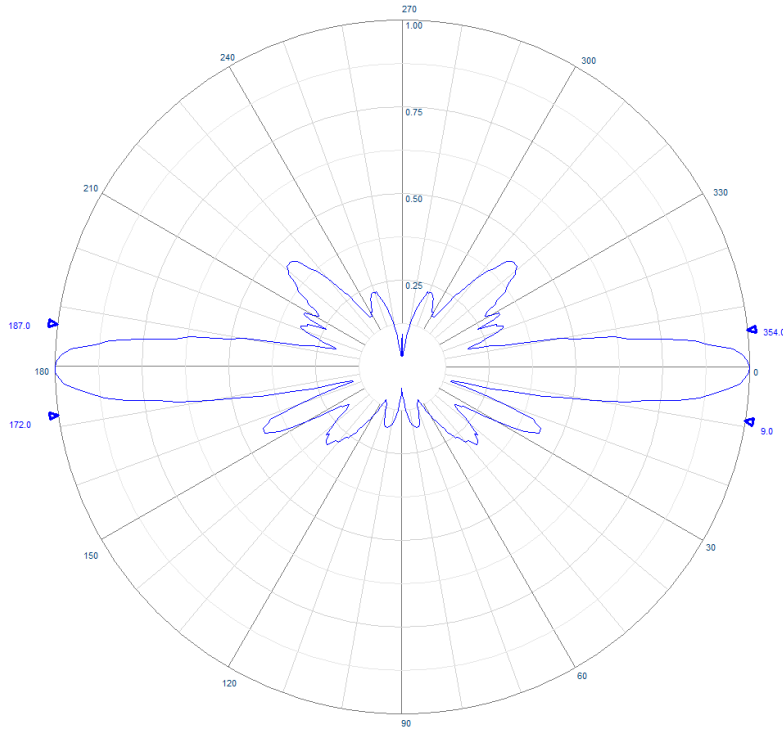


ZM21-CELLN & ZM24-CELLN

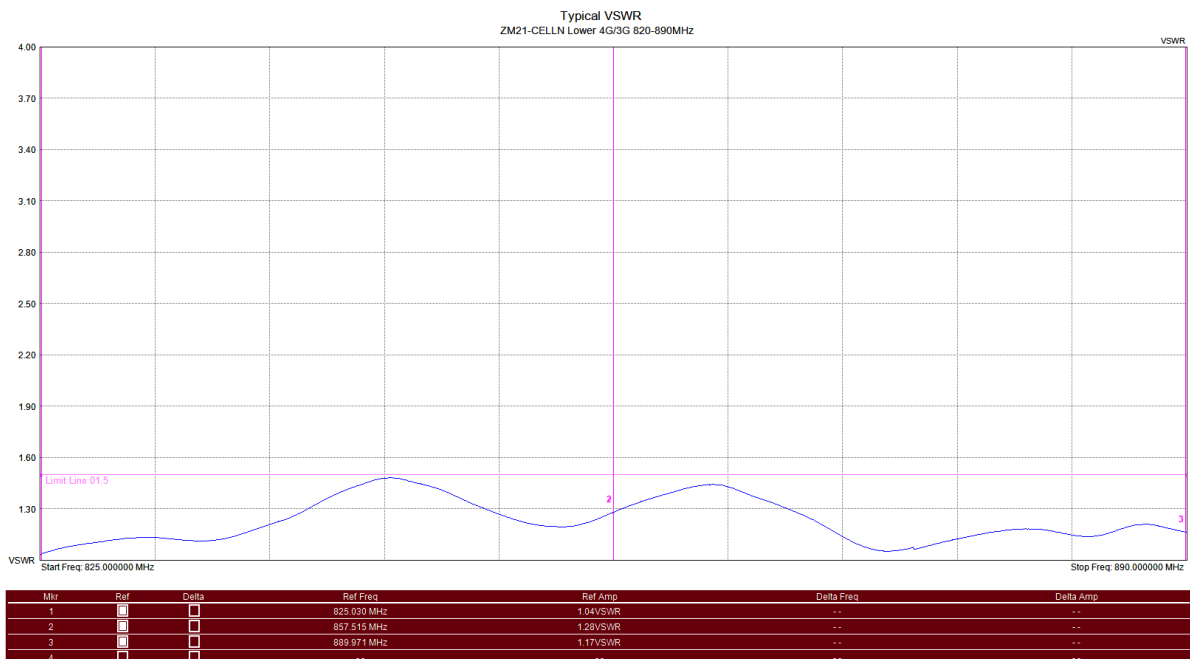
Mobile phone/wireless data improvement

Lower 4G 825-890 MHz

 In-stock
Ready to
Ship



Example radiation pattern



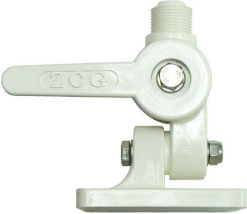
Typical VSWR

ZM21-CELLN & ZM24-CELLN

Mobile phone/wireless data improvement

Lower 4G 825-890 MHz

Alternate mounting hardware

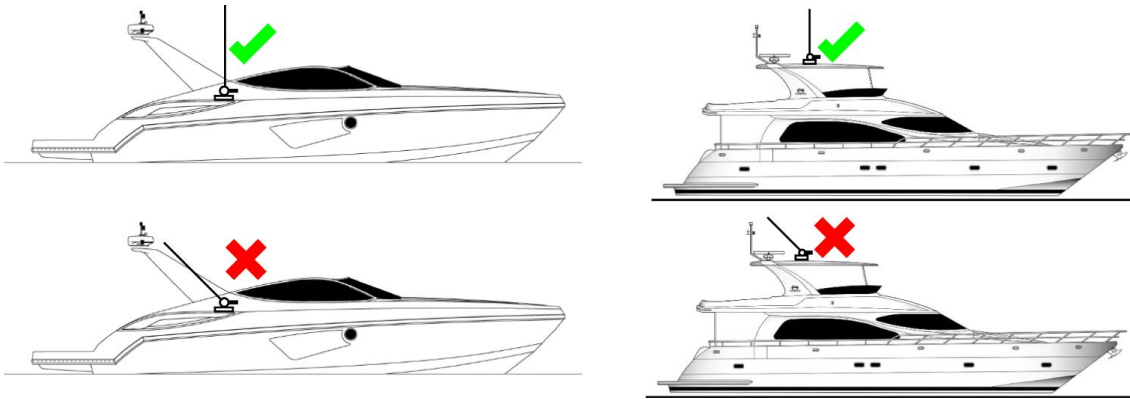
 <p>MM1 toughened white nylon dual axis, ratchet fold down mount</p> <p>Requires mounting screws/ bolts and mounting hardware for antenna</p>	 <p>MM2 316 stainless steel dual axis, ratchet fold down mount</p> <p>Requires mounting screws/ bolts and mounting hardware for antenna</p>
 <p>MMA series - anodised 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-CELLN & ZM24-CELLN

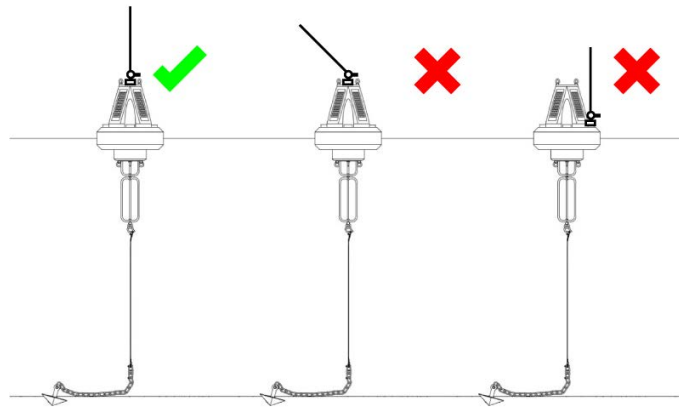
Mobile phone/wireless data improvement

Lower 4G 825-890 MHz

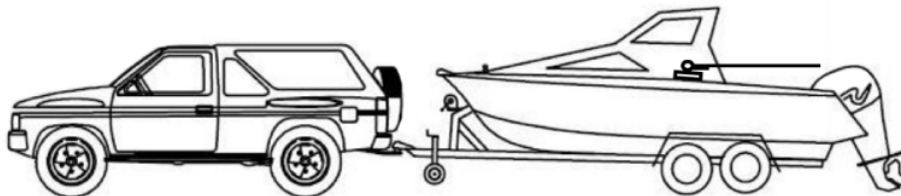
Recommended Installation orientation



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.