



## ZM21-CELLG

### Mobile phone/wireless data improvement Lower 4G/3G 890-960 MHz



The ZM21-CELLG marine deck mount offers the maximum gain and reception range practical in a lower 4G/3G mobile phone antenna. The ZM21-CELLG is identical in appearance to the other ZM21 series of marine antennas.

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

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

|                                  |   |
|----------------------------------|---|
| Construction                     | White fibreglass radome, chrome mount ferrule, cable assembly and tri-metal plated termination  |
| Frequency range                  | 890-960 MHz - Lower 4G/3G<br><small>Optus &amp; Vodafone within Australia</small>   |
| Bandwidth                        | Full frequency range  |
| Tuning                           | Factory   |
| VSWR                             | <1.6:1  |
| Gain                             | 8.1 dBi   |
| Maximum power                    | 30 Watts  |
| Impedance                        | 50 Ohms   |
| Polarisation                     | Vertical  |
| H Plane                          | 360° omnidirectional  |
| E Plane                          | 13°   |
| Cable                            | 5 metres RG58 low loss - side exit from ferrule   |
| Connector                        | FME female fitted to cable - for ease of installation   |
| 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<br>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.  |

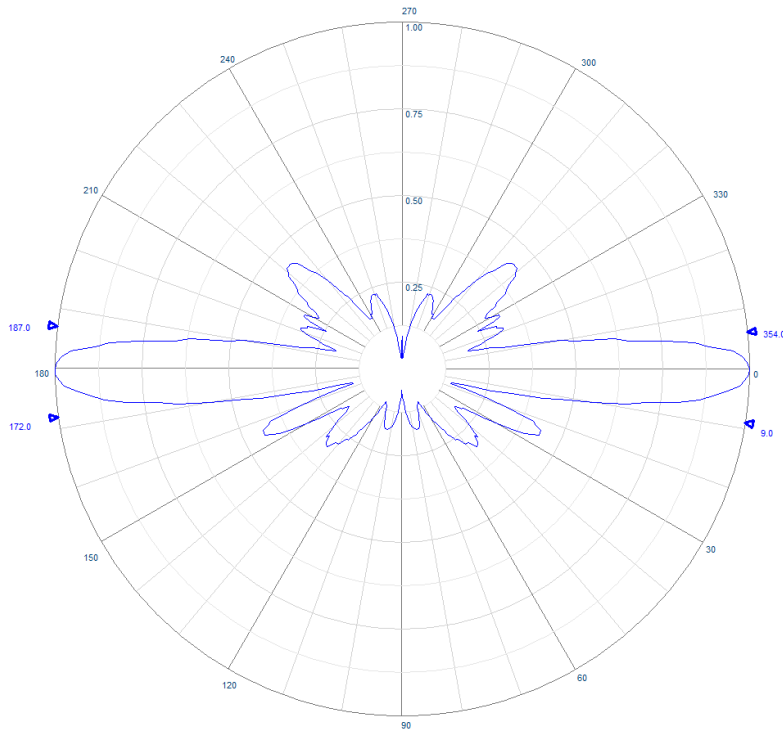


FME female fitted as standard or specify requirements. For CEL-FI Go connection request SMA male

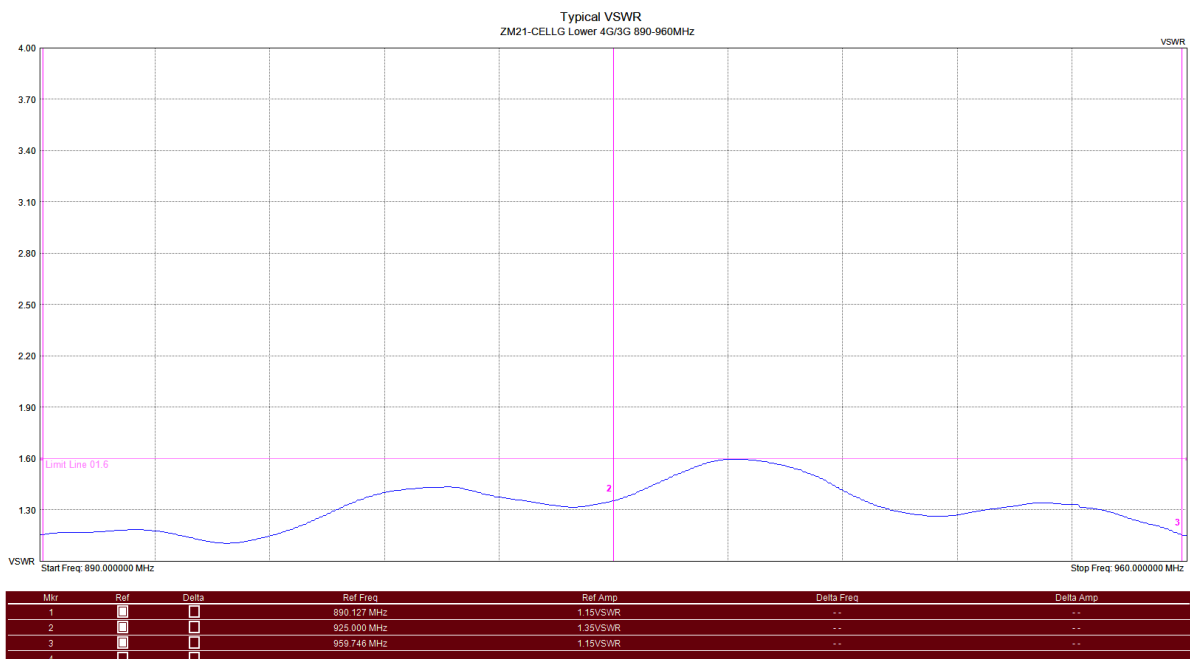


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Example radiation pattern




Typical VSWR

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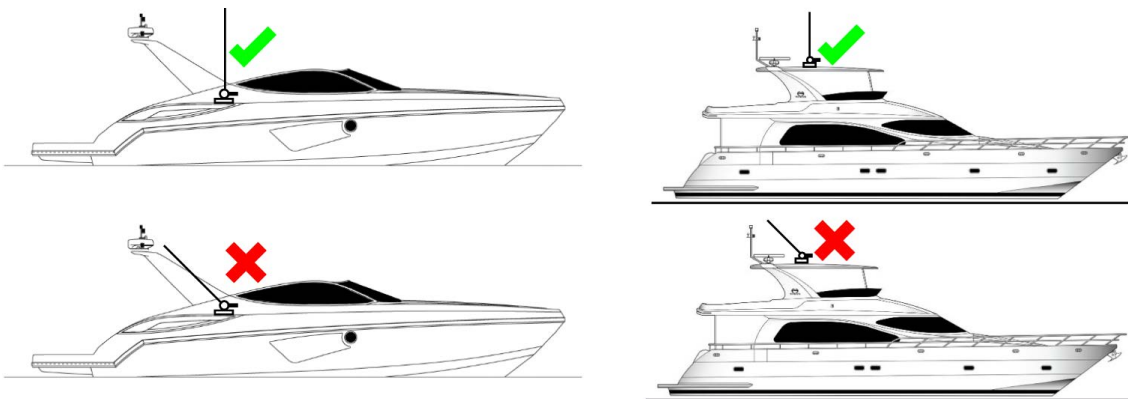
Alternate mounting hardware

|  |   |
|--|---|
|  <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<br/>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<br/>Mount pole: 25-45mm capability</p>                           |  <p>UB3-SS<br/>304 stainless steel parallel clamp</p> <p>Boom: 20-32mm capability<br/>Mount pole: 20-50mm capability</p>  |
|  <p>UB2-SS<br/>304 stainless steel right-angle clamp</p> <p>Boom: 20-50mm capability<br/>Mount pole: 20-50mm capability</p>                                 |  <p>RB8<br/>Galvanised steel right-angle clamp</p> <p>Boom: 20-50mm capability<br/>Mount pole: 20-50mm capability</p>   |

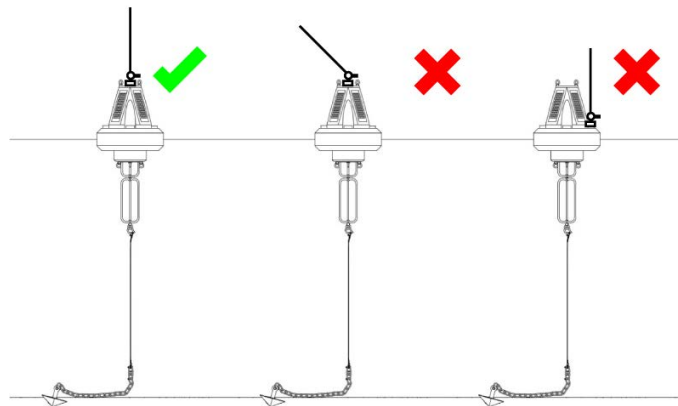
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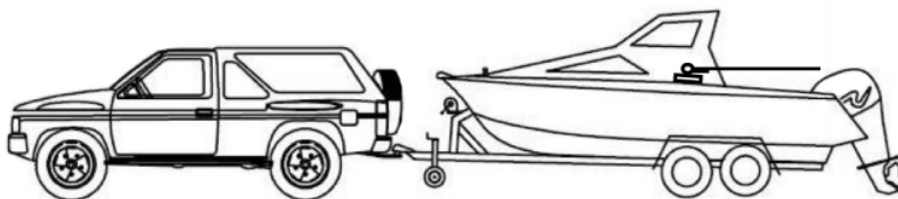
Recommended Installation orientation



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.