



# ZM09-CELL Series

Mobile phone/wireless data improvement

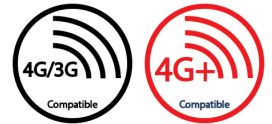
All networks 4G & 3G 825-960 MHz & 1710-2190 MHz



The ZM09-CELL series of mobile phone/wireless data antenna provides dualband coverage of 4G and 3G with effective 6.2dBi gain. The ZM09-CELL range is identical in appearance to the other ZM09 series of fold-down antennas.

Please check your carriers coverage map for availability of signal in your area. The ZM09-CELL will not work where no signal is present.

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



	ZM09-CELL	ZM09-CELL-B
Colour	White	Black
Construction	Parallel fibreglass radome, aluminium mount ferrule, mount adaptor, external coaxial cable and termination	
Frequency range	825-960 MHz & 1710-2190 MHz - all networks 4G/3G	
Bandwidth	Full frequency ranges stated	
VSWR	<1.6:1 at 820-960 MHz <3:1 at 1710-2190 MHz	
Tuning	Factory	
Gain	6.2dBi at 820-960MHz and 3dBi 1710-2190MHz	
Maximum power	30 Watts	
Impedance	50 Ohms	
Polarisation	Vertical - do not lean/tilt once installed, only during transit	
H Plane	360° omni-directional	
Cable	4.5 metres white RG58 low loss side exit from ferrule	4.5 metres black MIL-SPEC RG58 low loss side exit from ferrule
Connector	FME female fitted to cable for ease of installation	
Height	900mm	
Weight - excluding base	800grams	
Mounting hardware order separate	MM1/MM1-B plastic fold-down base or MM2 stainless steel MMA or MMA-SS mast mount adaptor - mast mounting	
Mounting position recommended	Mount the antenna as high on your structure or vessel as possible to ensure a true omni-directional signal.	



FME female fitted as standard or specify requirements

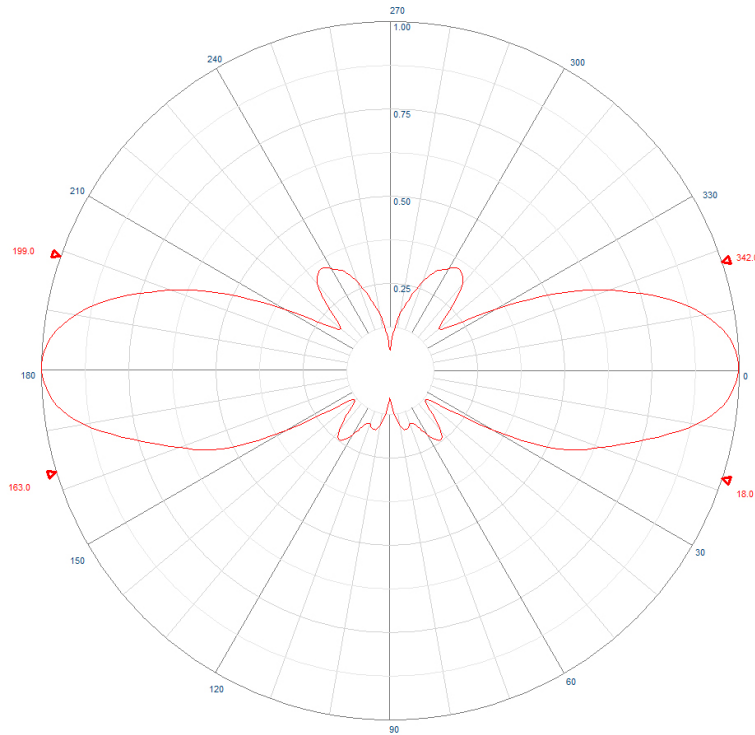
1-1/4" UNS female thread in mount adaptor



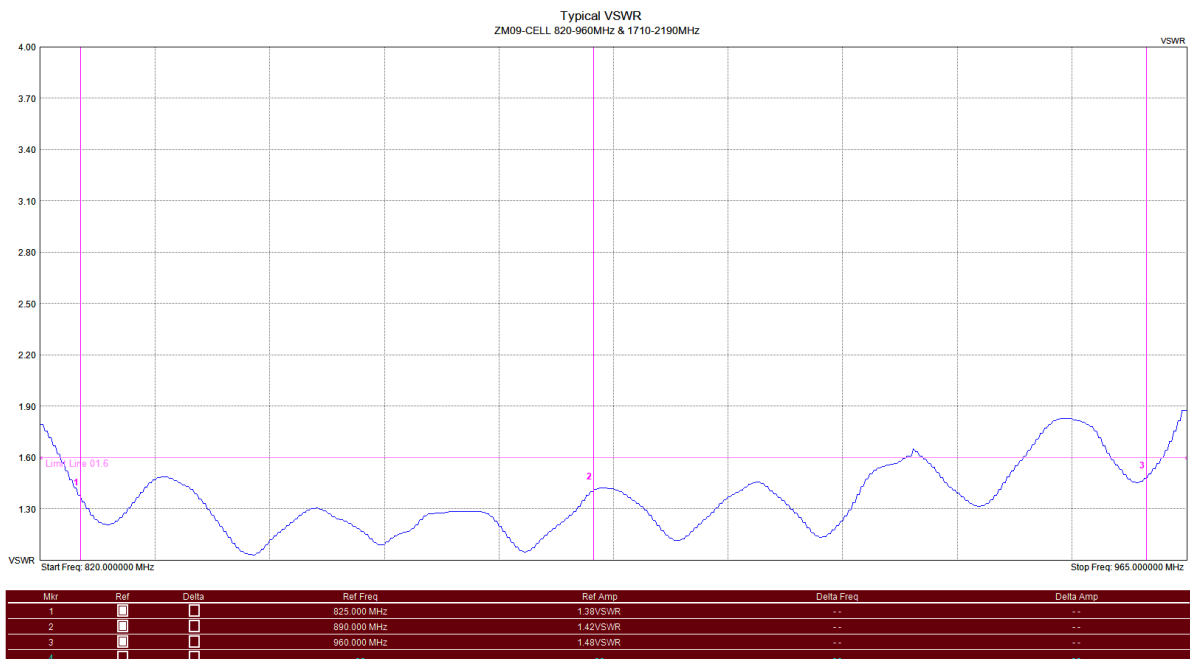
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Example radiation pattern



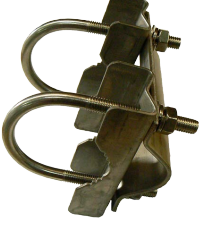
Typical VSWR at 820-960MHz

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Alternate mounting hardware

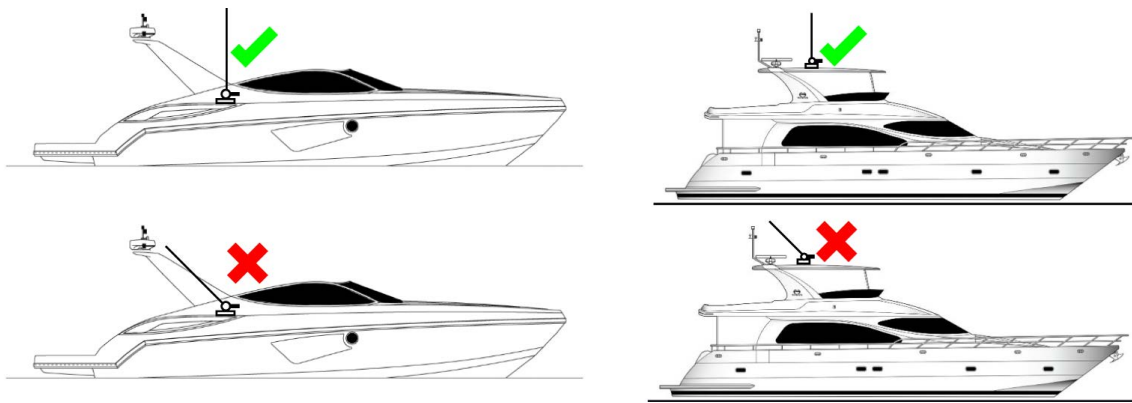
 <p>MM1 toughened white nylon dual axis, ratchet fold down mount</p> <p>Requires mounting screws/ bolts and mounting hardware for antenna</p>	 <p>MM2 316 stainless steel dual axis, ratchet fold down mount</p> <p>Requires mounting screws/ bolts and mounting hardware for antenna</p>
 <p>MMA series - anodised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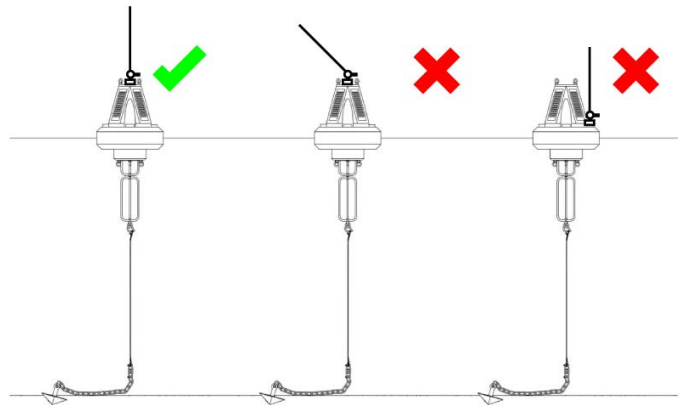
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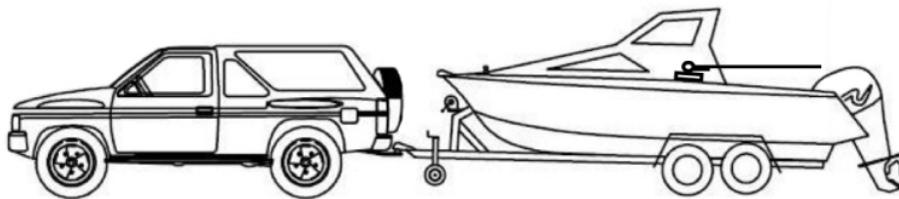
Recommended Installation orientation



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.