

4G LTE Marine collinear Mobile phone/wireless data improvement All networks 4G LTE 700-788MHz



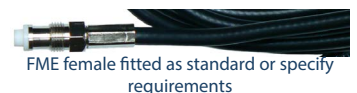
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* Signifies build to
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The ZCG range of 4G LTE mobile phone/wireless data marine antennas offer the maximum gain and reception range practical in a broadband 4G LTE network antenna.

Suitable for both mobile phone reception as well as wireless data improvement while at sea. The ZM-4GX series will not improve reception where no signal is being transmitted. Please check your networks coverage map for coverage in your area.

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

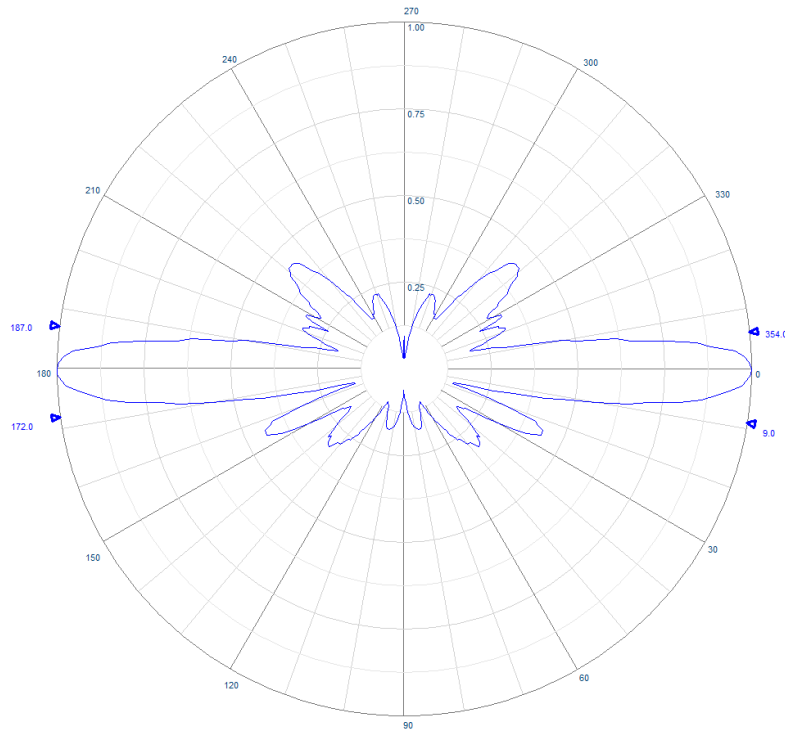
	ZM18-4GX	ZM21-4GX	ZM24-4GX*
Construction	White tapered fibreglass radome, chrome mount ferrule, external coaxial cable and termination		
Frequency range	All networks 4G LTE 700-788MHz		
Bandwidth	Full frequency range		
Tuning	Factory		
VSWR	<1.8:1		
Gain	8.1dBi		
Maximum power	30 Watts		
Impedance	50 Ohms		
Polarisation	Vertical - do not lean/tilt once installed, only during transit		
H Plane	360° omni-directional		
E Plane	13°		
Cable	4.5 metres RG58 low loss - side exit from ferrule		
Connector	FME female fitted to cable - for ease of installation		
Height	1.8 metres	2.1 metres	2.4 metres
Weight	500grams	550grams	650grams
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 such as the roof, deck or tower/mast		



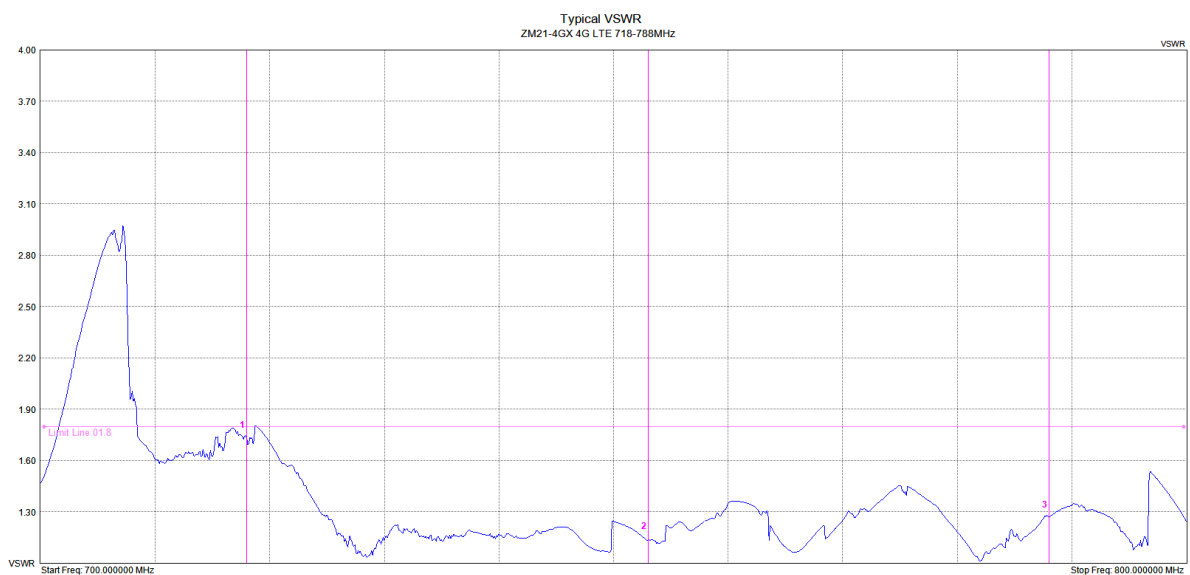
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Example radiation pattern



Mtr	Ref	Delta	Ref Freq	Ref Amp	Delta Freq	Delta Amp
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	718.000 MHz	1.73VSWR	--	--
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	753.000 MHz	1.14VSWR	--	--
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	788.000 MHz	1.27VSWR	--	--
4	<input type="checkbox"/>	<input type="checkbox"/>	--	--	--	--

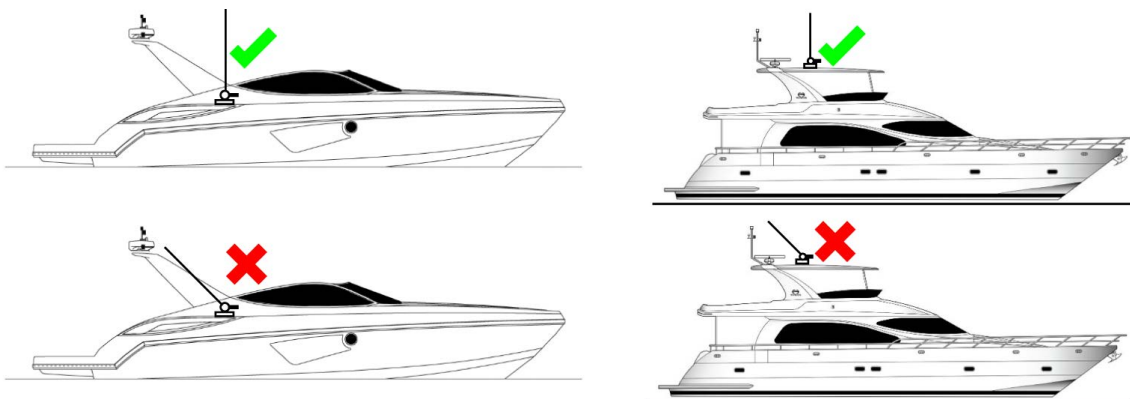
Typical VSWR

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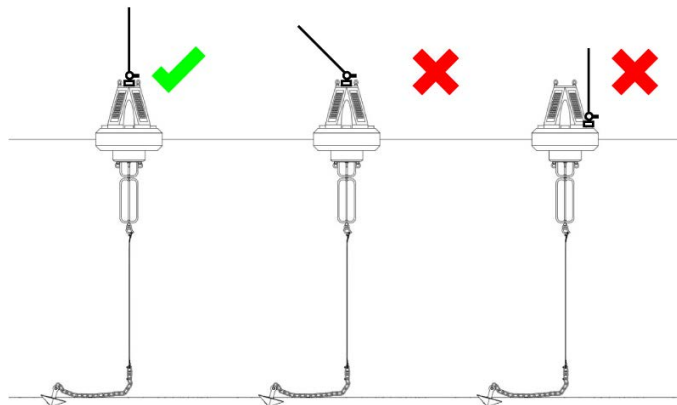
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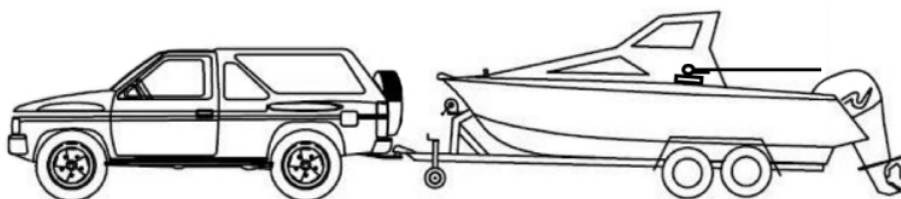
Recommended Installation orientation



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.