

B20G & B20G-N

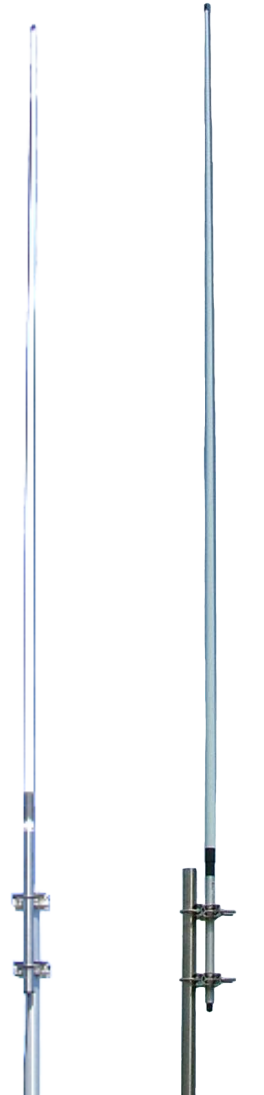
Omnidirectional mast or side mount collinear

Marine VHF 156-162 MHz

Tuned to cover the full VHF marine band, these ground independent antennas may be mounted to the mast of a vessel, or they can be side mounted from a wheelhouse of and other flat vertical surface.

Mounting hardware, coaxial feeder cable, adaptors and other installation accessories are all available separately.

	B20G	B20G-N
Construction	White tapered fibreglass radome, 304 stainless steel mount section and cable tail(B20G) or bottom N-type termination, no cable(B20G-N)	
Frequency range	156-162 MHz - Marine VHF Radio, favoured at emergency channel 21/22	
Bandwidth	Full frequency range stated - 6 MHz	
Tuning	Factory	
VSWR	Tx 156-158.5 MHz at <1.5:1 VSWR Rx 158-162 MHz at <1.5:1 to max. <2.8:1 VSWR	
Gain	5.1 dBi	
Maximum power	50 Watts	
Impedance	50 Ohms	
DC grounding	Yes	
Polarisation	Vertical	
H Plane	360° omnidirectional ± 0.5 dBd	
E Plane	48°	
Cable	4.5 metres RG58 stranded	None
Connector	UHF male PL259 supplied, not fitted	N-type female at base of mount section
Height	3.4 metres	
Weight	1.5kg	
Mount section	500mm x 32mm - 304 stainless steel	
Projected area	0.055m ²	
Wind load at 160kph	0.066kN ; 6.696kg	
Mounting hardware order separate	Parallel mounting: 2 x EB1-SS or 1 x UB3-SS Right-angle mounting: 2 x RB8 or 1 x UB2-SS Side/wall mounting: 2 x NSM-CL3642	
Mounting position recommended	Mount as high on your structure or vessel as possible using the appropriate mounting hardware. Allow at least 1.0m spacing between antennas or vertical metallic obstructions.	



UHF male - B20G



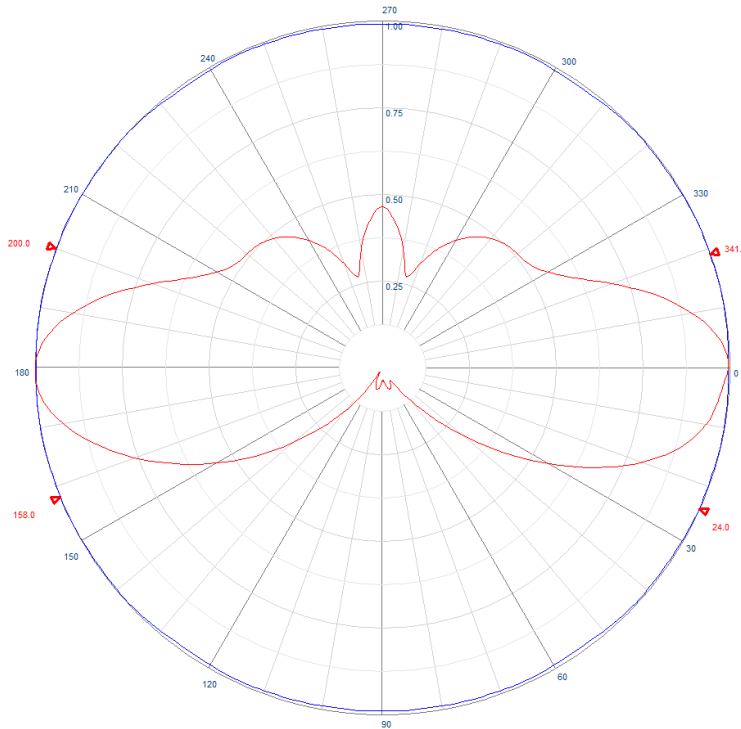
N-type female - B20G-N



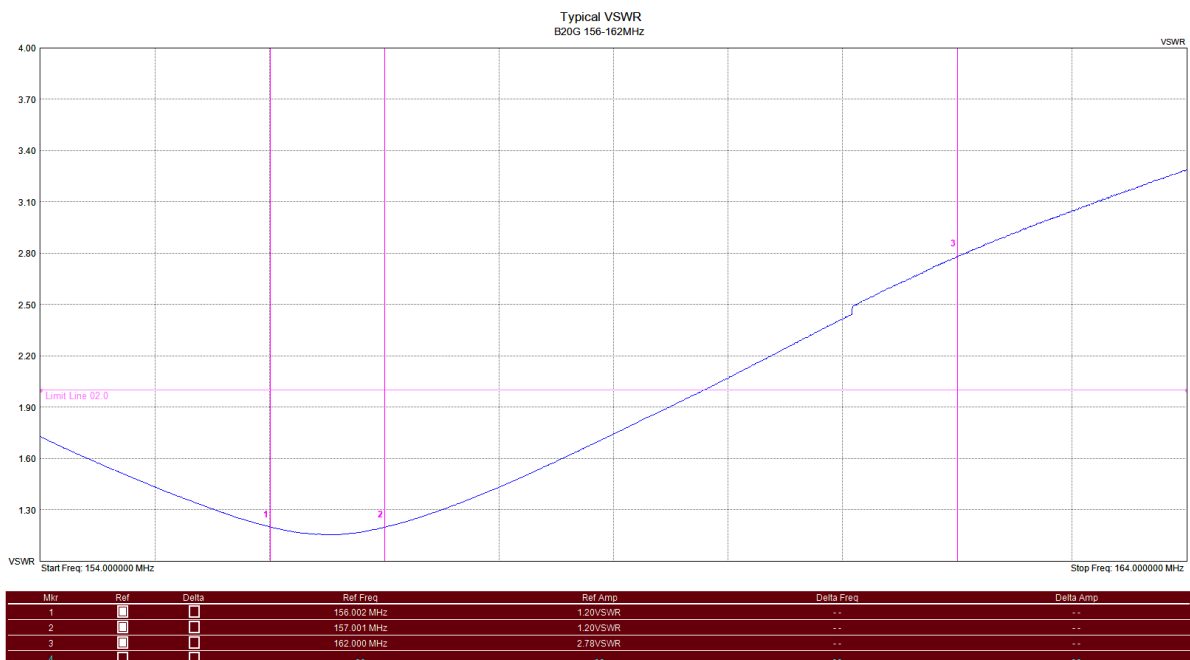
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Example radiation pattern - B20G-N



Typical VSWR - tuned for emergency channel 21/22

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CFB series - Galvanised steel J' hockey stick brackets, 1.1 - 2.1 metres.

Requires mounting screws/ bolts and mounting hardware for antenna



A-2654-2 - Aluminium pole extension 1.1 metres includes pole mounting brackets.

Requires mounting screws/ bolts and mounting hardware for antenna



SFB Series - galvanised steel pole extension 0.9-2.0 metres Roof or overhang mounting

Requires mounting screws/ bolts and mounting hardware for antenna




NSM-CL3642 - requires 2 Toughened white nylon wall mount

Boom: 32mm capability
13mm mount hole required



EB1-SS - requires 2 304 stainless steel parallel clamp

Boom: 20-40mm capability
Mount pole: 25-45mm capability



UB3-SS 304 stainless steel parallel clamp

Boom: 20-32mm capability
Mount pole: 20-50mm capability



RB8 Galvanised steel right-angle clamp

Boom: 20-50mm capability
Mount pole: 20-50mm capability



UB2-SS 304 stainless steel right-angle clamp

Boom: 20-50mm capability
Mount pole: 20-50mm capability

Suitable feeder coaxial cable and connectors - B20G-N



MIL-SPEC RG213 stranded conductor, solid PE dielectric coaxial cable

P/N 7800

Available in 100m or 300m rolls



N-type male crimp connector for MIL-SPEC RG213

P/N 7937

Tri-metal plated



RU400 Solid copper conductor, low loss coaxial cable

CNT-400 / LMR-400™ equivalent (™ times microwave)

P/N 7890

Available in 100m, 300m or 500m rolls



N-type male crimp connector for RU400 low loss, solid conductor

P/N 8226

Tri-metal plated