



# SMC

Communications Solutions  
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## SMC/VHR VHF Half Rhombic Antenna

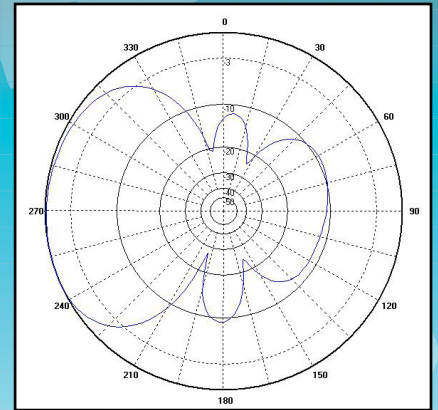
The SMC/VHR VHF Half Rhombic (VHR) antenna is a tactical unidirectional antenna designed for operation across 30-88MHz.

### Specifications:

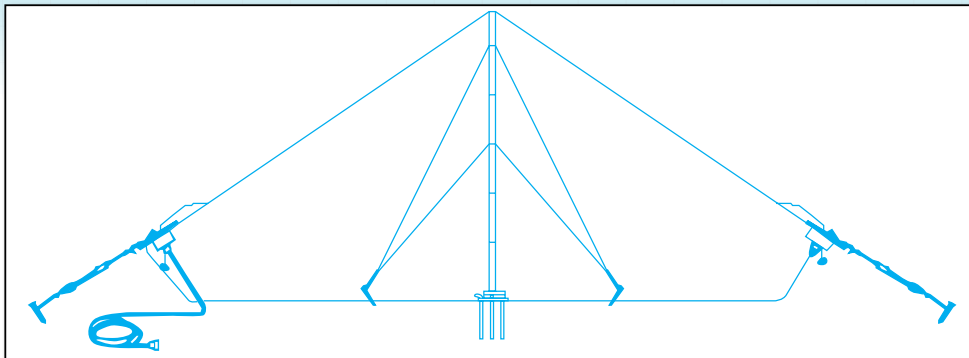
- Frequency Range; 30-88MHz
- Transmit Power Handling; 50W
- Antenna element; PVC covered Kevlar braid with plaited copper wire, green outer sleeving
- Polarisation; Vertical
- Directivity; Unidirectional
- Optimum Apex height; 7m (23ft)
- VSWR; 3:1 or better
- Antenna coax connector; BNC with optional BNC to N Type adapter (other connectors also available)
- Overall ground length; 50m (164ft)
- Supplied with 15m (50ft) RG58 coax feed to transmitter in a ruggedized kit bag.

### Optional Equipment:

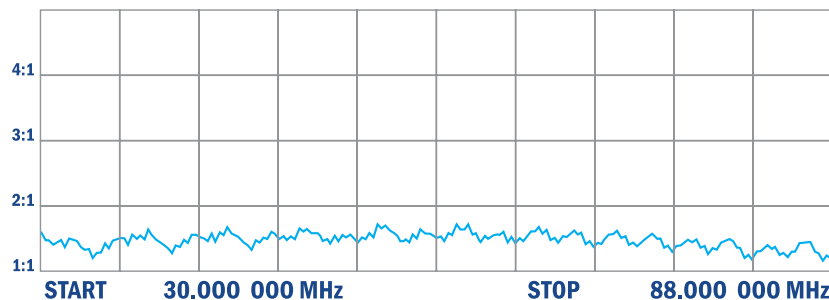
- MPFG7; 7m (23ft) fibreglass sectional mast including guys, guy stakes, club hammer for stakes, all supplied in a kit bag



Typical azimuth radiation pattern



It is highly efficient, needing no adjustments nor using any power-dissipating loads, and is designed to provide greater communication range. The antenna is lightweight, and can be erected and disassembled within minutes. The system is supplied in a transportable kit bag, together with all installation items including antenna adapter for use with either BNC or N type radio antenna connectors. A low VSWR throughout the operational frequency range ensures no antenna tuner is required.



Typical VSWR Response



# SMC



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