

VHF Elevated Dipole Whip Antenna 30-88 MHz

Type 4007-900

The VHF elevated dipole antenna is suitable for use over 30-88MHz (options 30-108MHz available) and is designed for use where an increase in omni-directional range is required over poorly located ground based equipment and vehicle mounted whips.

The antenna comprises of two whip sections and a 24mm NATO spigot interface adaptor to fit a 24mm socket mast. Racal Antennas Lightweight Telescopic Series Masts can support this antenna.



Equipment	Drawing Number
Upper Whip Element	4007-107-01
Lower Whip Element	4007-108-01
24mm Mast Adaptor	4030-104-01

Electrical Specification	
Frequency range	30-88 MHz
Power rating	100W
Connections	50W BNC female
Input Impedance	50 Ω
VSWR	$\leq 3.5:1$, but this may rise to 4:1 for less than 5% of the frequency range
Pattern	Omni-directional
Polarisation	Linear vertical
Mechanical Specification	
Design	Two piece, glass fibre design
Height	3120mm
Weight	1.55kg
Sections	Upper Element: 1450mm Lower Element: 1790mm
Finish	Infra-red Reflective (IRR) Paint, NATO Green
Optional	Rigid mount for land static deployment P/N 4007-130-01
Environmental Specification	
	This product has been fully tested to meet Military environmental conditions of DEF STAN 00-35



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 Racal reserve the right to vary in detail from the description and specification in this publication.