

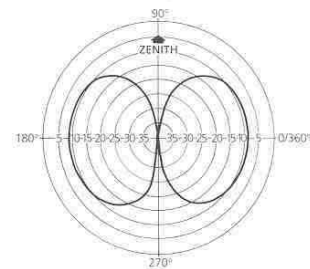
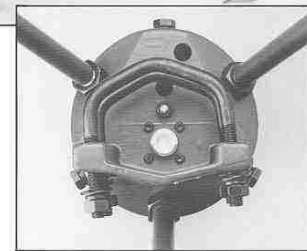
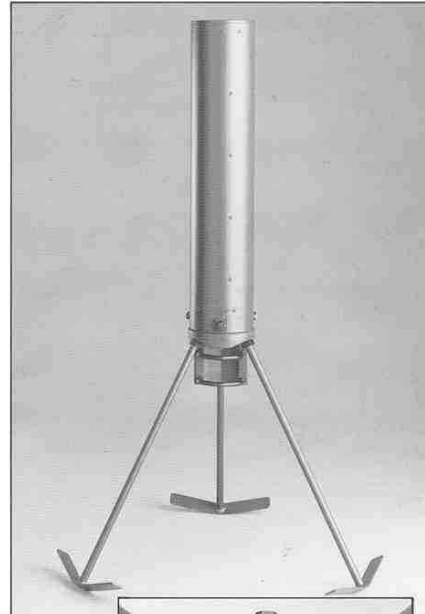
VHF Ground to Air Monopole 115-155 MHz

Type 957

The RA957 is a folded monopole antenna enclosed in a robust fibreglass radome supported above an inclined counterpoise consisting of three $\frac{1}{4}$ wave radial elements. The antenna operates over the frequency range 115-150MHz and can therefore be used at any frequency in the aeronautical VHF band. The horizontal radiation pattern is omni-directional while the vertical pattern is similar to that of a dipole antenna.

Designed for military use it has been fully tested environmentally and can operate over the wide temperature range of -40° to $+55^{\circ}$, in driving rain and snow or when covered in ice. Tests carried out in accordance with the relevant sections of British Defence Standard DEF-STAN 07-55 included solar radiation, high/low temperature, salt water corrosion, dust/sand, driving rain and fungal growth.

Each antenna has a concentric clamp that allows the antenna to be mounted to tubes of between 35 and 60mm diameter. RF connection is made through an N type connector in the base and the overall design incorporates a DC static



Electrical Specification	
Frequency Range	115 –155 MHz
Power Handling	1.0kW
Gain	2dBi
VSWR	2:1
Polarisation	Vertical
Input Impedance	50 Ω
Input Connector	Type N
Mechanical Specification	
Wind Loading	55 m/s max with 25mm radial ice
Overall Height	950mm
Diameter (approx)	500mm
Weight (approx)	3.5kg
NATO Codification	5985-99-788-6272

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