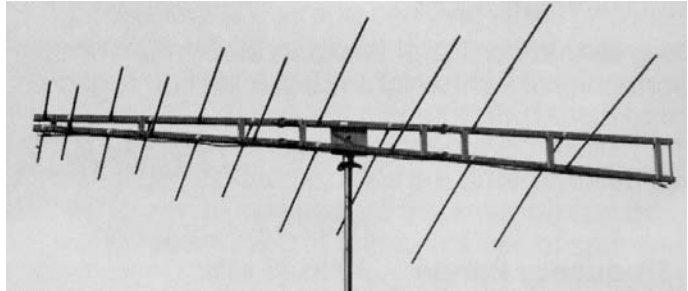


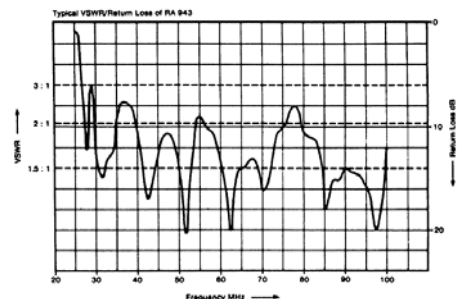
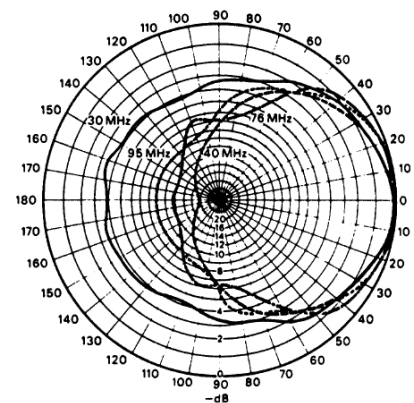
## VHF Log Periodic Antenna 28-100 MHz

Type 943

Racal Antennas type 943 VHF log periodic array has been designed for a range of applications including tactical surveillance, monitoring, electronic countermeasures and point to point communications. Rugged in construction it is quick and easy to assemble and ideal for tactical use where severe environmental conditions may exist. Vertical or horizontal modes of operation can be chosen and very similar radiation patterns are produced in both orientations. Mechanical fittings are of stainless steel construction and the boom section insulators are manufactured from glass-reinforced polyester. The complete antenna is finished in olive green drab paint. A carrying bag is supplied for antenna storage and transportation.



<b>Electrical Specification</b>	
<b>Frequency Range</b>	28-100 MHz
<b>VSWR</b>	< 2:1 80% of the band 30-100 MHz < 3:1 28-30 MHz
<b>Input Impedance</b>	50Ω
<b>Power rating</b>	1 kW CW
<b>Gain</b>	4-6 dBi
<b>Beamwidth (typical)</b>	E Plane .... 80° H Plane .... 120°
<b>Polarisation</b>	Vertical or Horizontal
<b>Connector</b>	N Type Socket
<b>Mechanical Specification</b>	
<b>Element Span</b>	3.8 m
<b>Boom Length</b>	4.2 m
<b>Weight</b>	Antenna .....21 kg Carrying Case .....19 kg
<b>Wind Area</b>	0.8 m
<b>Max Wind (Survival)</b>	45 m/s (no ice)
<b>Mounting Configuration</b>	40mm spigot
<b>Temperature Range</b>	Storage .....-40°C to +55°C Operational ...-30°C to +55°C



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