

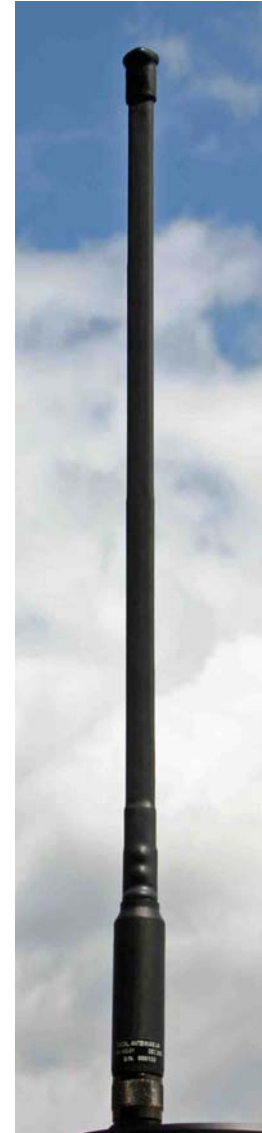
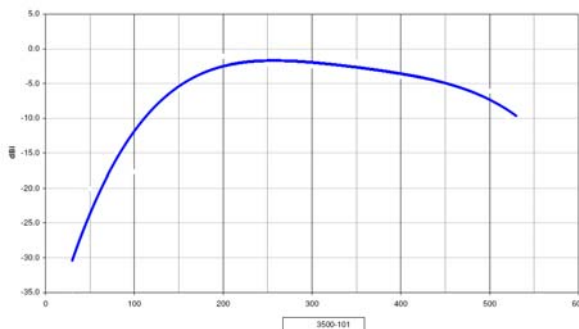
VHF/UHF Broadband Manpack Whip Antenna 30-512MHz

Type 3500

Racal Antennas Limited has many years of experience in design, development and manufacture of manpack/portable antennas for the military user. They have been developed after consultation with military users and radio manufacturers worldwide.

The 3500 series wideband tape antenna has been designed for manpack radio applications, with suitable radio antenna tuner unit, operating in the 30-512MHz frequency band. This type of antenna is more suited for combat conditions where physical restriction on the user and radio is not desirable. These antennas are constructed from a number of stainless steel tape elements, sheathed in a protective durable sleeving. The tape antenna is supplied with an antenna matching unit (AMU) optimised over the full operating band. The radio interface end of the AMU can be tailored to the radio manufacturers' bulkhead interface.

Electrical Specification	
Frequency Range	30-512 MHz
Gain	See gain curve
Power Rating	15W CW at 55°C (30-512MHz) 20W CW at 55°C (120-512MHz)
Connection	3500-100-01 - BNC Male with M16 x 0.75 retaining thread 3500-101-01 - TNC Male 3500-102-01 - N Type Male 3500-103-01 - BNC Male
Input Impedance	50Ω
VSWR	3.5:1 (subject to groundplane)
Pattern	Omnidirectional
Polarisation	Linear vertical
Mechanical Specification	
Design	Broadband monopole flexible tape with (AMU).
Height	0.5m
Weight	164g
Finish	Matt black



3500-100-01
(BNC Male with
M16 x 0.75 retaining
thread)

RACAL ANTENNAS LTD

First Avenue, Millbrook Trading Estate, Southampton, SO15 0LJ, United Kingdom
tel: +44 (0) 2380 705705 • fax: +44 (0) 2380 701122 • sales@racalantennas.com • www.racalantennas.com
Racal reserve the right to vary in detail from the description and specification in this publication.