

Broadband UHF Elevated Feed Antenna

400-520MHz

CD990 Series

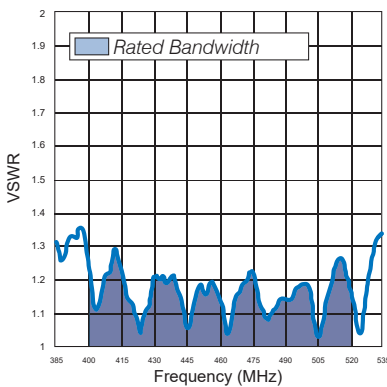


Based on the industry leading CD90 series antennas. RFI has now released the CD990 elevated feed antennas. The CD990 uses a broadband feed choke providing excellent VSWR and performance over the full 400-520MHz spectrum without the need for tuning. Featuring a ground independent design, it is ideally suited for mounting on both conductive and non conductive surfaces. The CD990 is ideal for applications requiring broad bandwidth and high performance, common to many of today's emergency service and government networks.

Features:

- Broadband - covers 400-520MHz without tuning
- Versatile - ground plane independent design allowing alternative mounting locations
- Durable - heavy duty stainless steel spring
- Field Terminable – the antenna has been designed for easy re-installation and re-cabling by a suitably experienced installer
- Available with or without stainless steel spring assembly

Typical VSWR Response



Electrical Specifications

Model Number	CD990
Nominal Gain (dBi)	2
Frequency MHz	400-520
Tuned Bandwidth MHz	Full
VSWR (Return Loss)	1.5:1 (14dB)
Nominal Impedance Ω	50
Vertical Beamwidth°	76
Horizontal Beamwidth°	Omni +/- 1 dB
Input Power W	100

Mechanical Specifications

Model Number	CD990-67-73	CD991-67-73	CD992-67-73	CD993-67-73
Mounting	Stud	Spring/Stud	Stud	Spring/Stud
Construction	Black chromed brass, Delrin insulators & removable whip		Bright chromed brass, Delrin insulators, SS spring & removable whip	
Length mm	345		445	
Choke Diameter mm	25			
Weight kg	0.32		0.68	
Mounting Area	16mm diameter hole required			
Cable/Connector	5m RG58C/U / no connector			