

# BROADBAND UHF ELEVATED FEED ANTENNA

CD990 Series  
400-520 MHz

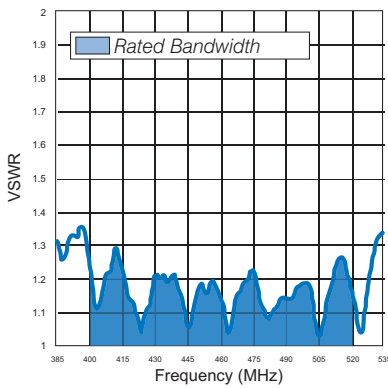


Based on the industry leading CD90 series antennas. RFI has now released the CD990 elevated feed antennas. The CD990 uses a broadband feed choke providing excellent VSWR and performance over the full 400-520MHz spectrum without the need for tuning. Featuring a ground independent design, it is ideally 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

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

Model Number	CD991-67-73 (With spring)	CD990-67-73 (Without spring)
Construction & Configuration	Brass welded components with delrin insulator top & bottom with removable whip and heavy duty s/steel spring	Brass welded components with delrin insulator top & bottom with removable whip
Length mm	445	345
Choke Diameter mm	25	
Weight kg	0.68	0.32
Shipping Weight kg	0.78	0.42
Shipping dimensions mm	H	30
	W	30
	L	500
Termination	5m RG58 low loss cable / no connector	
Mounting Area	16mm diameter mount hole required	