

# Co-Linear Omni Antenna

2 GHz Omni-Directional Antenna

## Applications

- Omni-directional antenna for portable applications

## Features

- 2 or 4.5 dBi Gain Models
- 1.99 to 2.5 GHz band
- Rugged design
- Simple installation
- Mounting hardware included

## Overview

The MRC Co-Linear Omni Antenna is a balanced center fed co-linear dipole providing an omni directional radiation pattern with 4.5 dBi gain over the entire 2 GHz broadcast ENG band.

The design features a broadband radiating element and isolating choke to prevent stray currents on the feed system. It is an exceptionally slimline package, in rugged fiberglass radome, with a choice of mounting options. The RF connection is a type "N" connector.



*Co-Linear Omni Antenna shown with  
MRC's Camera Mounted Transmitter, the REPORTER*

### ELECTRICAL

Frequency .....	1.98 to 2.5 GHz	
Gain .....	2 or 4.5 dBi	
Return Loss .....	14 dB (1.5:1 VSWR)	
Polarization .....	Vertical	
Azimuth Beamwidth .....	360 degrees	
Elevation Beamwidth .....	.85 degrees	
Connector .....	Type N or SMA cable plus Cable Connection .....	RG-58 coaxial cable

### MECHANICAL

Diameter .....	.69 inches (17.7 mm)
Length .....	6.8 inches (173 mm)
Weight .....	3.5 ounces (105 grams)
Radome .....	Fiberglass
Mounting .....	10-32 threaded receptacle on base or circular flange with hole pattern

Microwave Radio Communications  
101 Billerica Avenue, Building #6  
North Billerica, MA USA  
01862-1256

Tel: +1.978.671.5700  
Fax: +1.978.671.5800  
e-mail: [info@mrcbroadcast.com](mailto:info@mrcbroadcast.com)  
web site: [www.mrcbroadcast.com](http://www.mrcbroadcast.com)

