

# Installation

## CD50-68-50 And CD51-68-50 Series Mopole™ Antennas

450 - 520 MHz

**Congratulations!** You have just purchased a CD50 Series Mopole™ antenna from RF Industries. 'Mopole' is the name given to RF Industries' exclusive range of ground independent antennas. The CD50-68-50 and CD51-68-50 antennas incorporate a patented matching circuit which enables the antenna to function without the need for a ground plane.

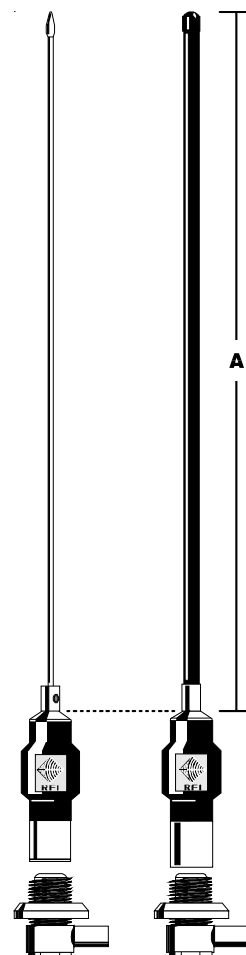
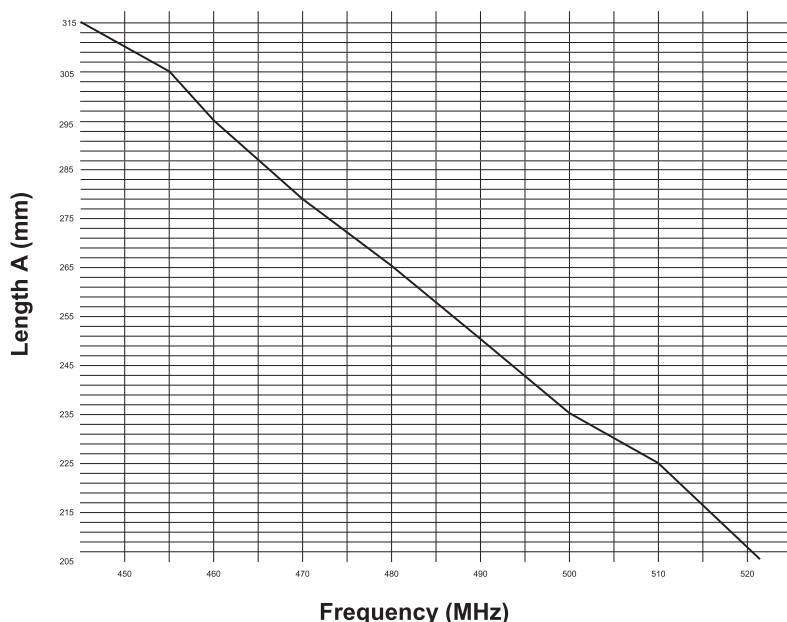
A high impedance matching network is housed in the base section. The internal construction of this base section is so precise and stable that the antenna can be easily tuned using the tuning chart below. The CD50-68-50 and CD51-68-50 antennas use RF Industries' unique MBC mounting base, a coaxial fed base which allows the antenna to be easily removed and which can be re-terminated quickly and easily in the field.

*NOTE: Although the antennas when tuned track very closely with the cutting chart provided, this chart should be used as a guide only and the antenna should be tuned for the desired operational band centre.*

### To Terminate The Antenna

1. Attach the MBC base assembly to the desired mounting surface (after terminating the base if your MBC has not been supplied with cable already fitted).
2. Screw the antenna coil section to the MBC base.
3. Trim the whip top to its frequency using an in-line VSWR meter. The chart below serves as a guide though we strongly recommend all installations be checked for VSWR using an appropriate meter.

### Cutting Chart



Mopole is a trademark of RF Industries Pty Ltd

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**RF Industries Pty Ltd**

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