

## DATA SHEET – EUROCASTER FM GROUND PLANE ANTENNA

Antenna type:  $\frac{1}{4}$  wave ground plane antenna

Gain: -1 dBi / -3 dBd

VSWR:<1.5

Impedance: 50 $\Omega$

Polarization mode: vertical

Radiation: omnidirectional

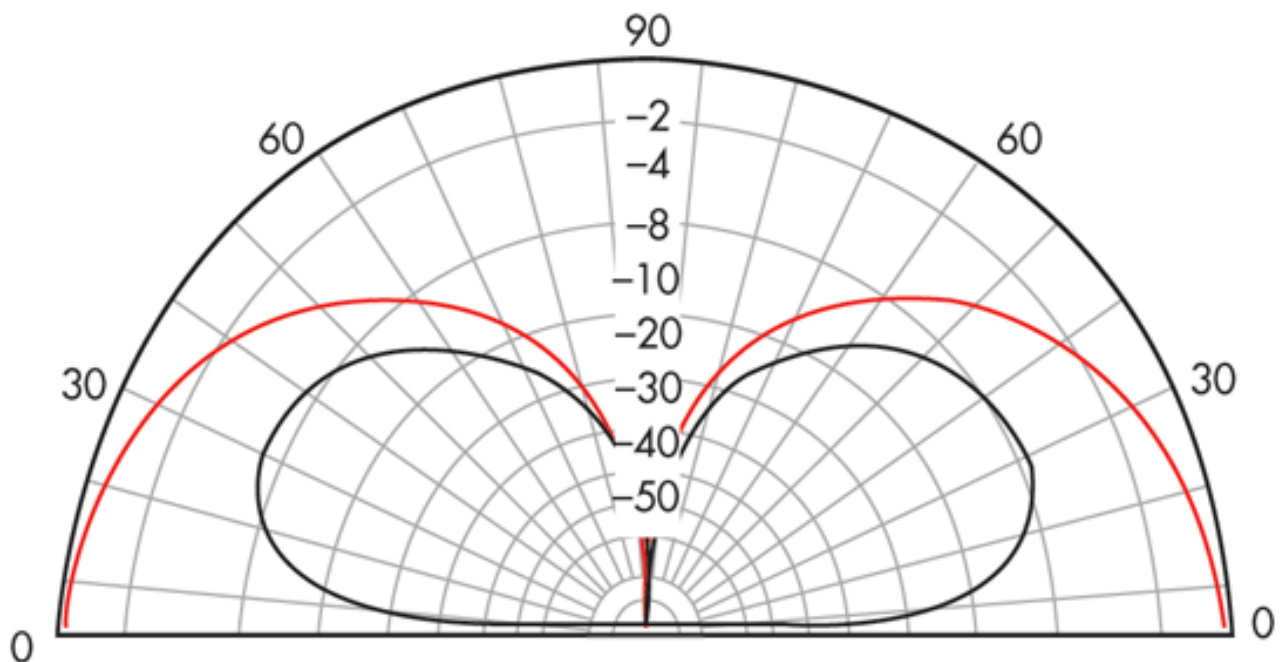
Power handling: 50 Watts max.

Weight: 0,9 Kg.

Connector: PL-259 female on antenna (N-male on cable, if included)

Your FM antenna supplied with this small setup, is tuned. That means, depending on frequency the top part of the antenna, must fit with the frequency. That is adjusted with the top antenna part, that comes in 5 different lengths.

- a. 1: Center frequency 90 MHz (covering 87,5-92 MHz),
- b. 2: Center frequency 94 MHz (covering 92-96 MHz),
- c. 3: Center frequency 98 MHz (covering 96-100 MHz),
- d. 4: Center frequency 102 MHz (covering 100-104 MHz),
- e. 5: Center frequency 106 MHz (covering 104-108 MHz).



Vertical radiation pattern of the ground plane antenna on ideal ground.

## Picture of the antenna, fully assembled.



The length of the top of the antenna, is depending of your frequency. The lower the frequency, the longer your antenna will be.

You can place your antenna on the ground, on a tube, but to cover a field or close open space, you do not need to mount the antenna on top of anything, unless you want to cover a wider area.



This is in the box

How you can mount on a tube, seen from down up.