



Omnidirectional single antenna

Features

- Omnidirectional
- 6 dBi gain
- 1880-1920 MHz
- Mountable to wall or pole

General

The 'omnidirectional single antenna' is an omnidirectional 6 dBi colinear antenna fitted with a 1 meter coaxial cable and a MCX male connector. It is supplied with a wall bracket and a pole mounting clamp. With this pole-mounting clamp the antenna can be mounted to a pole with diameter of 25 to 37 mm.

Specifications

Specifications subject to change without prior notice.

General

Manufacturer: MAT Equipment
 Product code manufacturer: MA430X14

Physical

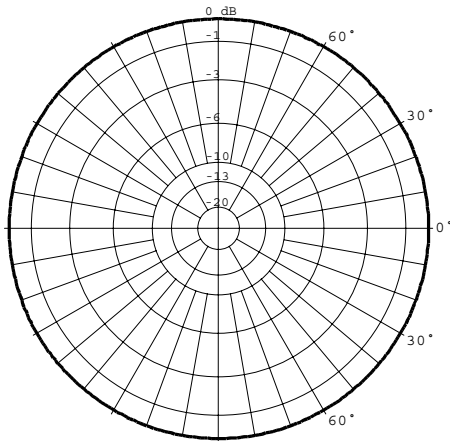
Height: 375 mm (above wall mounting bracket)
 Weight: \approx 0.2 kg (excl. pole mounting bracket of 70 grams)
 Material/colour: shroud: glass fiber, grey upper
 cap: plastic, black
 base: plastic, black wall
 bracket: glass fiber, greypole mounting
 clamp: stainless steel

Environmental

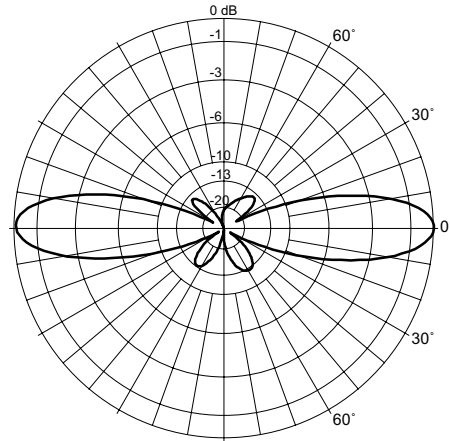
Operating temperature: -33 to +55 °C

Functional Specs

Frequency range: 1880 to 1920 MHz
 Nominal impedance: 50 ohms
 VSWR: \leq 1.7
 Polarization: linear, vertical
 Gain (at connector level): 4.8 dBi \pm 0.3 dBi
 Radiation in horizontal plane: omnidirectional within \pm 0.3 dB
 Radiation in vertical plane: beam width (E-plane) at -3 dB: \approx 24°
 Maximum power: 10 watts
 Connector: MCX male connector at the end of a 1 m RG316 coaxial cable (minimum bending radius: 20 mm)



Typical radiation in horizontal plane



Typical radiation in vertical plane