



# MA431X25    MA431X21

MA431X25 and MA431X21 are omnidirectional 8 dBi and 10 dBi colinear antenna.

Each one is supplied with a metallic mounting bracket for 30 to 53 mm dia. pole which allows installation at the top of a vertical tube, or on a horizontal extension tube..

All metallic parts in these antennas are DC grounded.

## MA431X25

<b>Frequency range</b>	3400 to 3600 MHz
<b>Nominal impedance</b>	50 ohms
<b>VSWR</b>	≤ 1.5
<b>Polarisation</b>	linear, vertical
<b>Gain</b>	8 dBi
<b>Radiation in horizontal plane</b>	omnidirectional within ± 0.5 dB
<b>Radiation in vertical plane</b>	beamwidth (E plane) at -3 dB : ≈ 15° downtilt : ≈ 2° ± 2°
<b>Maximum power</b>	5 watts
<b>Connector</b>	N female at the base of the antenna
<b>Height</b>	≈ 0.4 m above mounting bracket
<b>Shroud diameter</b>	≈ 23 mm
<b>Material / color</b>	shroud : glass fiber, grey mounting bracket : steel with surface protection
<b>Weight</b>	0.53 kg
<b>Temperature range</b>	-40°C to +70°C
<b>Wind loading</b>	20 N at 160 km/h

## MA431X21

<b>Frequency range</b>	3400 to 3600 MHz
<b>Nominal impedance</b>	50 ohms
<b>VSWR</b>	≤ 1.5
<b>Polarisation</b>	linear, vertical
<b>Gain</b>	10 dBi
<b>Radiation in horizontal plane</b>	omnidirectional within ± 0.8 dB
<b>Radiation in vertical plane</b>	beamwidth (E plane) at -3 dB : ≈ 8°
<b>Maximum power</b>	5 watts
<b>Connector</b>	N female at the base of the antenna
<b>Height</b>	≈ 0.68 m above mounting bracket
<b>Shroud diameter</b>	≈ 34 mm
<b>Material / color</b>	shroud : glass fiber, grey mounting bracket : steel with surface protection
<b>Weight</b>	0.8 kg
<b>Temperature range</b>	-40°C to +70°C
<b>Wind loading</b>	46 N at 160 km/h

