



# CIRCULAR POLARIZATION FM BROADCAST OMNIDIRECTIONAL ANTENNA

## MP-1

### TECHNICAL MANUAL chapter 2 TECHNICAL SPECIFICATIONS

#### 2.1.- Individual Antennas:

Frequency Band:	87.5 - 108.0 MHz
Input Impedance	50 ohms.
Maximum Input Power:	600 watts.
Recommended Input Power	500 watts.
Polarization:	Circular $\pm 1$ dB.
Total Gain:	0 dB / dipole
Gain Plane H:	-3 dB / dipole.
Gain Plane E:	-3 dB / dipole.
VSWR:	1.1 : 1
Field Strength Change with Rotation of Polarization	$\pm 1.2$ dB
Tower Effect:	From -1 to -2 dB
Dimensions:	950 x 300 mm.
Weight:	3.8 Kg.
Max. Wind Speed.:	Bursts: 200 Km/h. Constant: 120 Km/h.
Wind Load	5 Kg @ 120 Km/h.
Ligthning Protection:	Grounded Structure.
Mounting:	Pole mounting. From 25 to 70 mm diam.