



**Type 100.514**

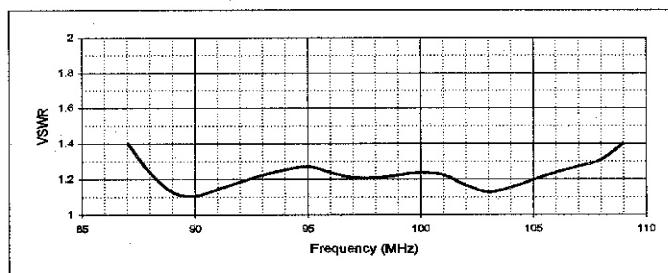
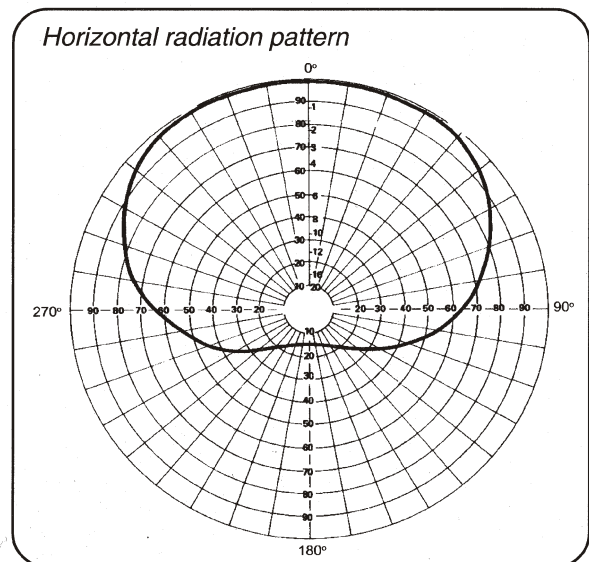
- **General:** FM Dipole antenna is intended to exceed professional requirements for powers up to 2.5 kW. Combined in arrays of more elements this dipole can offer significant gain on a wide angle.
- **Radiation pattern:** Containing a wide angle of radiation, it is suggested for omni-directional arrays.
- **Mounting:** This antenna has been designed to be installed easily because of its lightweight design. This antenna can be mounted using our special holder to a pole with a diameter between 48.3mm and 108mm. The vertical spacing between dipoles is 2600mm.

### ELECTRICAL SPECIFICATIONS

Frequency Range	87.5 – 108 MHz
Impedance	50
Connector	7/8" EIA
Max. Power	2.5 kW
VSWR	< 1.3
Polarization	Vertical
Gain	2 dB (to /2 dipole)
Front to Back ratio	7.5 dB

### MECHANICAL SPECIFICATIONS

Dimensions	1380x820x57 mm
Weight	6.5 kg
Material:	
External	Stainless steel
Inner conductor	Silver plated brass
Isolator	PTFE

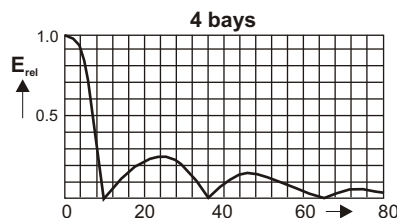
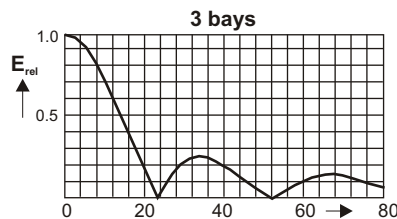
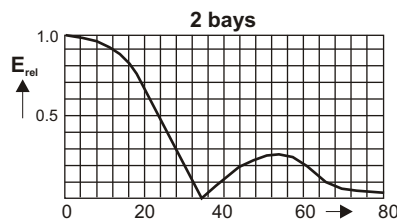
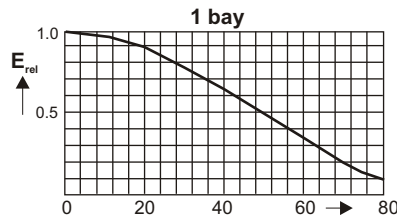
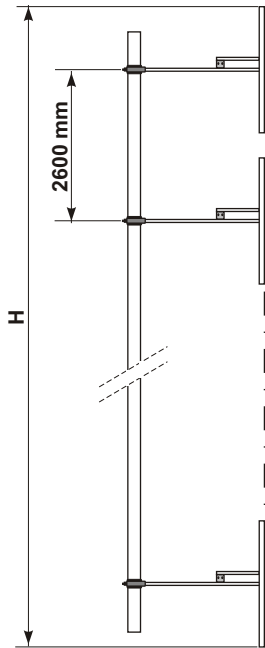


# FM Dipole Antenna Systems

## Radiating system characteristics

No of Bays	Antennas Per Bay	Gain (dB)	Weight (kg)	System height (m) H
1	1	2.0	6.5	1.5
2	1	5.0	13	4.1
3	1	6.5	19.5	6.7
4	1	8.0	26	9.3

### Vertical Radiation Patterns



- **Demountable antenna.** In order to reduce the packing dimensions of the antenna, a demountable type of FM Dipole antenna is also available (Type 100.532).

