

Type 100.512

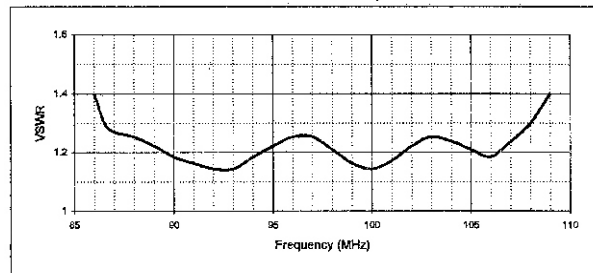
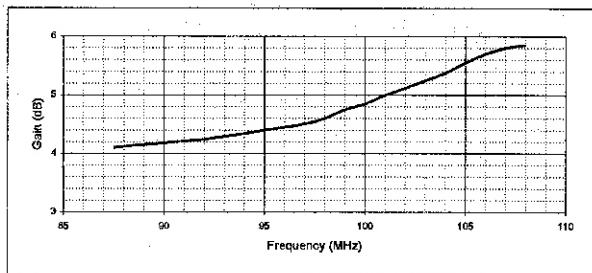
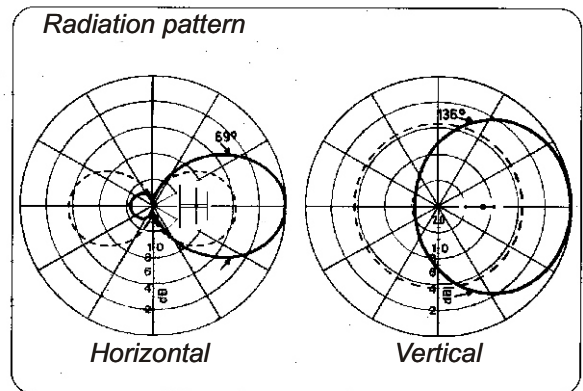
- **General:** Ideal antenna for professional receiving of low and medium power transmitting applications. Vertical or horizontal polarization provides high directivity and large bandwidth.
- **Mechanical design:** The antenna is made of stainless steel specifically designed to meet the rigid requirements of professional users for FM applications. Mounting is possible in both horizontal and vertical plane.
- **Connector:** 7/8" EIA Flange, has a maximum input of 2.5 kW.
- **Standing Wave Ratio:** The VSWR is guaranteed to be lower than 1.25 across the whole FM band, the antenna system VSWR is even lower; due to the quality of the broadband characteristics, one antenna can be connected to more transmitters with the use of suitable filters.

ELECTRICAL SPECIFICATIONS

Frequency Range	87.5 – 108 MHz
Impedance	50
Connector	7/8" EIA
Max. Power	2.5 kW
VSWR	< 1.25
Polarization	Vertical / Horizontal
Gain	4 dB (to 1/2 dipole)
Front to Back ratio	12 dB

MECHANICAL SPECIFICATIONS

Dimensions	1860x1450x57 mm
Weight	14 kg
Material:	
External	Stainless steel
Inner conductor	Silver plated brass
Isolator	PTFE



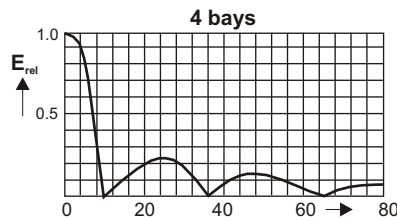
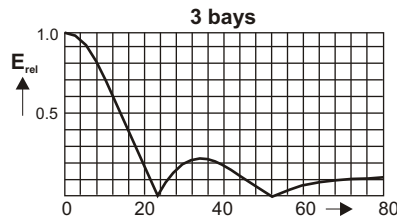
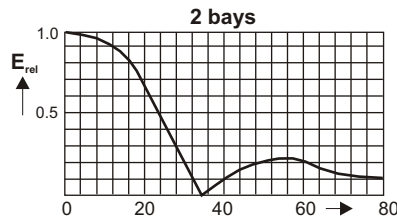
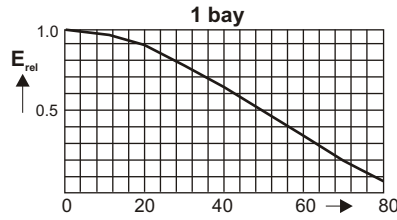
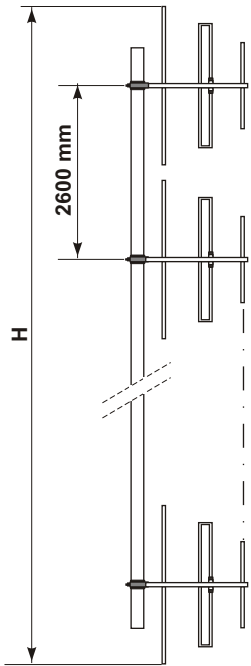
FM 3 El. Yagi Antenna Systems

Radiating system characteristics

No of Bays	Antennas Per Bay	Gain (dB)	Weight (kg)	System height (m) H
1	1	4.0	14	1.86
2	1	7.0	28	4.46
3	1	8.5	42	7.06
4	1	10.0	56	9.66

Broadcasting antennas

Vertical Radiation Patterns



- **Demountable antenna.** In order to reduce the packing dimensions of the antenna, a demountable type of FM Yagi antenna is also available (Type 100.531).

