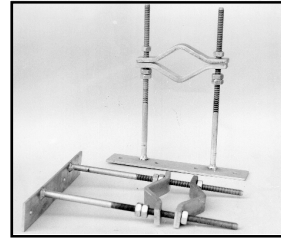


Type 100.508



* Special pipe mounting clamps type 800.125.000 (60 - 138) mm (included).

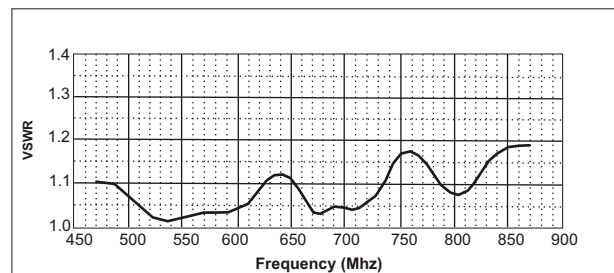
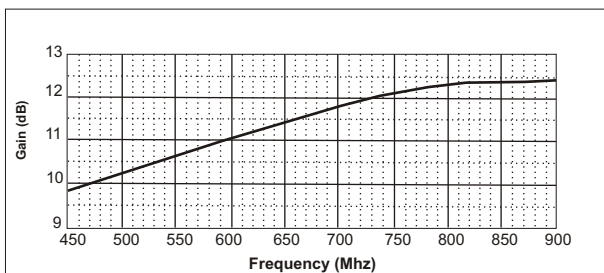
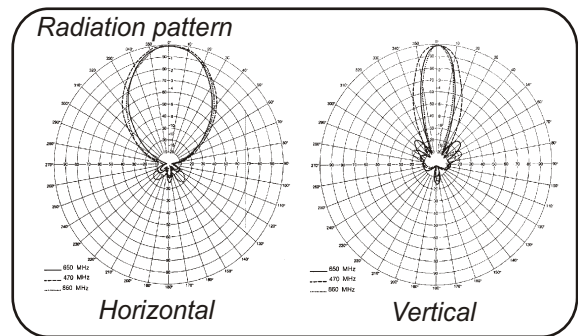
- **General:** Broadband Panel antenna is powerful, and a horizontally polarized transmitting antenna for UHF-TV. Since it is highly directional it has a high gain. It can be installed easily on any tower face with minimum influence of tower structure on pattern.
- **Antenna systems:** By stacking more panels it's possible to obtain the best radiation pattern, to increase the power handling capacity and the gain according to user requirements.
- **Mechanical design:** This panel antenna is built with the finest materials (stainless steel according to DIN 17441 standard, copper, silver plated brass, PTFE and polyester) resulting in maximum life. The panel is constituted by 8 dipoles fitted to a reflector.
- **Water, icing and moisture protection:** The antenna is environmentally protected by a polyester radome.

ELECTRICAL SPECIFICATIONS

Frequency Range	470 – 860 MHz
Impedance	50
Connector	7/8" EIA
Max. Power	2 kW
VSWR	< 1.2
Polarization	Horizontal
Gain	10 dB (to $\lambda/2$ dipole)
Front to Back ratio	25 dB

MECHANICAL SPECIFICATIONS

Dimensions	1000x450x225 mm
Weight	16 kg



UHF Panel Antenna Systems

Radiating system characteristics

No of Bays	Antennas Per Bay	Gain (dB)	Weight (kg)	System height (m)
1	1	10.0	16	1.00
	2	7.0	32	
	3	5.5	48	
	4	4.0	64	
2	1	13.0	32	2.15
	2	10.0	64	
	3	8.5	96	
	4	7.0	128	
3	1	14.5	48	3.30
	2	11.5	96	
	3	10.0	144	
	4	8.5	192	
4	1	16.0	64	4.45
	2	13.0	128	
	3	11.5	192	
	4	10.0	256	

Broadcasting antennas

Horizontal Radiation Patterns

Vertical Radiation Patterns

