

## EMC-UHF-PN UHF BROADBAND TV PANEL ANTENNA

The EMC-UHF-PN is a broadband UHF panel that works in the IV-Vth Band. It can be used as individual or combined in co-linear array in order to obtain a more powerful antenna system. In this case a power divider is required and the interconnection coaxial cables must have the same length in order to have the same in-phase contribution. It is made of two double dipoles in tropicalized treatment copper and reflector made of inox stainless steel. All the components are protected with a radome in fiberglass. The panel is designed to transmit many carriers and High-Definition TV services. It has horizontal polarization and DC-ground lightning protection. It is a low-maintenance panel easy to install. Individually tested prior the shipment.

### TECHNICAL FEATURES

Frequency range	470 – 900 MHz (Different frequencies on demands)
Impedance	50 Ohm
Maximum power ea.	300W
Gain	13dBi
Polarization	Horizontal / or Vertical
Input connector	"N" female tipe UG 58A/U
Weight	15Kg.(14Lbs)
Mounting	Inox steel clamps for 1-3" tube
Dimensions	50x100x20cm.

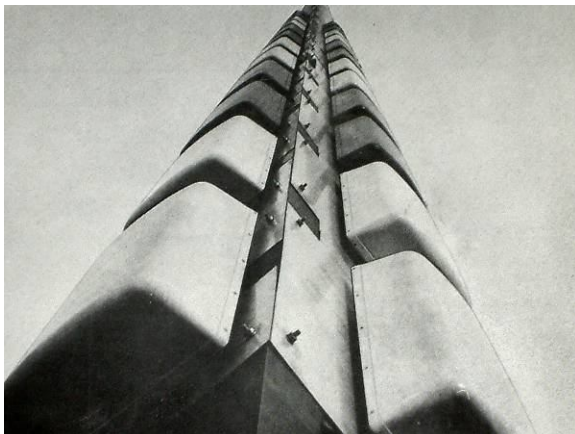


### TYPICAL CONFIGURATIONS

Model	Nr. Antennas	Gain (dBi)	Max Power W
EMC-UHF-PN-1	1	13	300
EMC-UHF-PN-2	2	15,9	600
EMC-UHF-PN-4	4	17,8	1200
EMC-UHF-PN-8	8	20,7	2400



### Example of realized areal



### Radiation patterns

(at mid-band)

