

Band IV/V slot antennas • Suitable for top-mount or side-mount

Slot antennas for UHF TV applications are a neat way to provide broadcasting solutions minimizing the visual and mechanical impact over its supporting structure. These antennas are constructed fully enclosed in a cylindrical fiberglass radome, featuring very reduced weight and windload figures, while keeping optimum radioelectrical performances under most severe environmental conditions.

They are ready for installation in top-mount and side-mount configurations, offering a very wide scope of radiating characteristics depending on the polarization (horizontal, circular, elliptical), on the shape of the horizontal radiation pattern, and on the vertical aperture.

AT15-9XX series cover all the possible needs from low power/ low gain solutions up to 16 KW RMS and high gain.

Electrical Specifications

Frequency range	470-806 MHz
Multichannel versions available	Yes
VSWR	≤1.1:1 across a single channel
Polarization	Horizontal / Circular / Elliptical
Beam tilt & Null Fill	Customized under request
Impedance	50 Ohm
Number of bays	From 4 to 24 bays
Maximum power handling peak sync	From 500 W to 25 kW
Maximum power handling RMS	From 350 W to 16 kW
Connector type	EIA 1 5/8" or EIA 3 1/8"



Mechanical & Environmental Specifications

Radome	Fiberglass (included)
Height (for 4 bays and 24 bays)	From 2400 mm to 13060 mm
Grounding	DC grounded
Temperature range	-40°C to +80°C
Humidity	100%

