

Band IV/V low power superturnstile antennas

UHF Superturnstile Antennas for TV applications offer a broadband omnidirectional radiation pattern with excellent circularity, combined with a minimum wind load impact on the supporting mast.

These antenna systems are ideal for top-mounting, and they are supplied ready for installation, fully assembled and enclosed in a GRP cylinder.

Electrical Specifications

	AT15-801	AT15-802	AT15-804
Frequency range	470-800 MHz		
VSWR	≤ 1.1:1		
Impedance	50 Ohm		
Polarization	Horizontal		
Peak gain (ref. λ/2 dipole)	1 Bay 5 dBd	2 Bays 8 dBd	4 Bays 11 dBd
3 dB vertical beam width (mid-band)	25°	11°	5.5°
Maximum power handling RMS	2 kW	2 kW / 5 kW	5 kW / 10 kW
Connector type ⁽¹⁾	EIA 7/8" male	EIA 7/8" male / EIA 1 5/8" male	EIA 1 5/8" male / EIA 3 1/8" male
Pressurization	Not pressurized		



Mechanical & Environmental Specifications

Materials	Batwings Connectors Isolators Radome	Aluminium Aluminium and brass PTFE Fiberglass		
Radome dimensions (Ø X H)	323 x 1200 mm	323 x 2300 mm	323 x 4600 mm	
Weight	27 kg	53 kg	116 kg	
Wind Load @ 160 Km/h	323 N	726 N	1228 N	
Maximum wind speed	220 km/h			
Grounding	DC grounded			
Temperature range	-40°C to +60°C			
Humidity	100%			

NOTES:

(1) Other connector types under request.

Others gain values and power handling can be supplied. Please, ask RYMSA RF.

