



UHF SUPER TURNSTILE ANTENNA 470-860 MHz

The JAT-U (Horizontally Polarized) super turnstile has many outstanding features that provide great value to today's broadcaster. Radome enclosed for Long life and many years of continuous service. The JAT-U can be either top or side mounted on a tower.

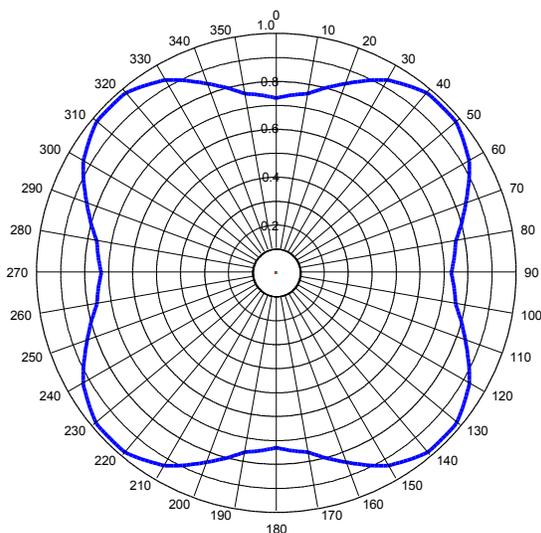
Minimum wind loading while providing broadband response makes the JAT-U an ideal antenna for applications where either the channel is defined or where multiple channels are to be combined.

Band IV/V 470 – 860 MHz

Radome Enclosed

Assembled and Tested

Top or Side Mount



Standard Omni Azimuth Pattern





JAT-U

Notes:

1. High power ratings available.
2. Polarization is Horizontal Polarization.
3. Power Gain is based on half wave dipole in free space.
4. All inputs are EIA flange, female ohm. Others upon request
5. Weights and wind loads shown include standard Top Mounting.
6. Power and dB gains are typical for horizontal components.
7. Power de-rating occurs above 2,000 feet elevation. Contact factory for details.
8. Special mounting brackets are available.
9. Pedestal available as an option. Contact factory for details.
10. Special Radome designs available for extreme conditions

Since many factors contribute to station's compliance with FCC exposure guidelines for radio frequency radiation, Jampro Antennas cannot accept any responsibility in this matter. The station must examine and determine its status based on each individual situation. Contact the factory for pricing and further details.

*All specifications subject to change without notice.

ELECTRICAL DATA				
Antenna Type	JAT-1	JAT-2	JAT-4	JAT-8
# Bays / Lambda	2	4	8	16
Frequency Range	470-860 MHz			
Impedance	50 OHM			
Connector (EIA)	7/8" / 1-5/8"		1-5/8" / 3-1/8"	3-1/8"
Max Power	2 kW / 5 kW		5 kW / 10 kW*	20 kW
VSWR	≤ 1.1 (in the frequency range)			
Polarization	Horizontal			
Gain (referred to half wave dipole)	5 dB	8 dB	11 dB	14 dB
Lightning Protection	All metal parts DC Grounded			

*Higher power rating available– Contact Factory

MECHANICAL DATA				
	JAT-1	JAT-2	JAT-4	JAT-8
Diameter	406 mm			
# Bays / Lambda	2	4	8	16
Antenna Height "L"	5.25 ft / 1.6m	9.85ft / 3.0m	17.72ft / 5.4m	33.6ft / 10.2m
Weight	98lb / 45kg	180lbs / 82 kg	380lbs / 172kg	950lbs / 435kg
Wind Surface	7.0 sq/ft	13.2 sq/ft	23.6 sq/ft	44.6 sq/ft
Max Wind Velocity	147 mph (220 kph)			
Icing Protection	Full Radome			
Radome Color	White			
Mounting	Top Mount/Base Flange Mount/ Side Mount			