



- Vertically Polarized
- Band IV 470 – 625 MHz
- Band V 625 – 850 MHz
- NTSC and CCIR Channels
- Brass / Aluminum
- Semi Flexible Inter-bay Lines
- Assembled and Tested
- Beam Tilt and Null Fill Available
- Two Year Warranty

## JVD UHF Antenna

The JAMPRO JVD UHF Antenna has been designed for a low to medium power solution, with a particular focus on rooftop deployment.

The antenna is a vertically polarised system enclosed by a full cylindrical radome for environmental protection and minimal urban visual impact.

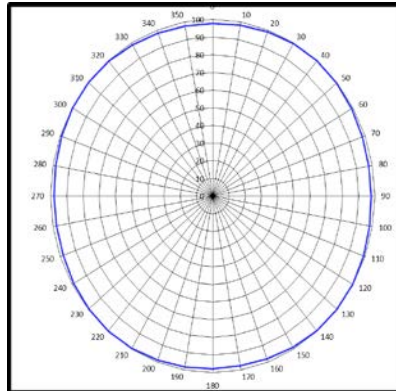
The antenna is broadband over band IV allowing multiple UHF channels to be transmitted at the same time.

Complete assembly, tuning and testing of your assembled antenna before shipping ensures there is no question about its performance.

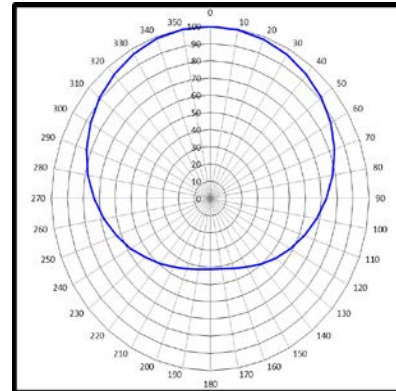
Directional antennas are a custom feature. Call for details.



## Typical Azimuth Pattern



Omni Pattern



Cardioid Pattern

ELECTRICAL DATA		
Antenna Model	JVD-4-U	JVD-8-U
Number of Bays	4	8
Frequency Range	470 – 625 / 625 – 850MHz	
Impedance	50 ohm	
Connector	1 5/8" EIA	
Power Rating Single Channel	4 kW	6 kW
Power Rating Total of multiple channels 4 +	2 kW	5 kW
VSWR	≤1.38:1 over band, optimized to ≤1.22:1 on selected channels	
Polarization	Vertical	
Omni Gain (referred to half wave dipole)	6dB	9dB
Cardioid (referred to half wave dipole)	9dB	12dB
Lightening Protection	All metal parts DC Grounded	
MECHANICAL DATA		
Antenna Model	JVD-4-U	JVD-8-U
Diameter	16" / 406mm	
Antenna Height "L"	2.4m	4.7m
Weight	115 kg	195 kg
Wind Surface	1.1 sq M	2.05 sq M
Max Wind Velocity	147 mph (220 kph)	
Materials	Fiberglass Cylinder	
Icing Protection	Full Radome	
Radome Color	White	
Mounting	Roof Top Mount / Pole Mount	

**Notes:**

1. Polarization is Vertical.
2. Power Gain is based on half wave dipole in free space.
3. All EIA inputs are flange, female.
4. Weights and wind loads shown include standard Top Mounting.
5. Power and dB gains are typical for Omni-directional horizontal components.
6. Directional antenna available on request
7. Power de-rating occurs above 2,000 feet elevation. Contact factory for details.
8. Special mounting brackets are available

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.



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## JCD UHF Antenna

The JAMPRO JCD UHF Antenna has been designed for a low to medium power solution, with a particular focus on rooftop deployment.

The antenna is a circularly polarized system enclosed by a full cylindrical radome for environmental protection and minimal urban visual impact.

The antenna is broadband over band IV allowing multiple UHF channels to be transmitted at the same time.

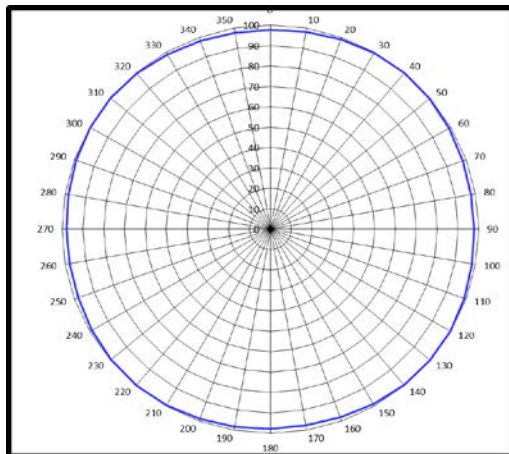
Complete assembly, tuning and testing of your assembled antenna before shipping ensures there is no question about its performance.

Directional antennas are a custom feature. Call for details.

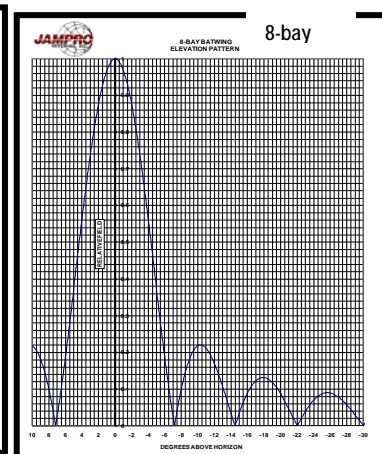
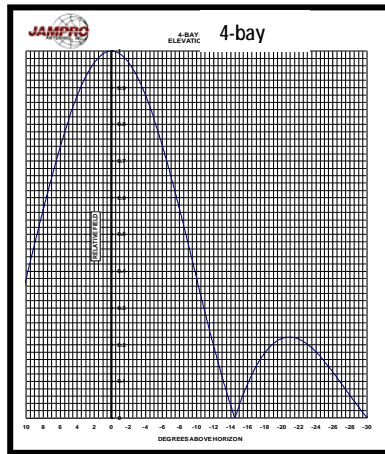




**Typical Azimuth Pattern**



**Typical Elevation Patterns**



ELECTRICAL DATA		
Antenna Model	JCD-4-U	JCD-8-U
Number of Bays	4	8
Frequency Range	470 – 625 / 625 – 850MHz	
Impedance	50 ohm	
Connector	1 5/8" EIA	
Power Rating Single Channel	4 kW	6 kW
Power Rating Total of multiple channels 4 +	2 kW	5 kW
VSWR	≤1.38:1 over band, optimized to ≤1.22:1 on selected channels	
Polarization	Circular	
Omni Gain (referred to half wave dipole)	3dB	6dB
Lightning Protection	All metal parts DC Grounded	
MECHANICAL DATA		
Antenna Model	JCD-4-U	JCD-8-U
Diameter	16" / 406mm	
Antenna Height "L"	2.4m	4.7m
Weight	115 kg	195 kg
Wind Surface	1.1 sq M	2.05 sq M
Max Wind Velocity	147 mph (220 kph)	
Materials	Fiberglass Cylinder	
Icing Protection	Full Radome	
Radome Color	White	
Mounting	Roof Top Mount / Pole Mount	

**Notes:**

1. Polarization is Circular.
2. Power Gain is based on half wave dipole in free space.
3. All EIA inputs are flange, female.
4. Weights and wind loads shown include standard Top Mounting.
5. Power and dB gains are typical for Omni-directional horizontal components.
6. Directional antenna available on request
7. Power de-rating occurs above 2,000 feet elevation. Contact factory for details.
8. Special mounting brackets are available

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