



HORIZONTAL/VERTICAL POLARIZED BROADBAND UHF PANEL ANTENNA

The JUHD broadband panel is designed to be used as part of antennas where either horizontally or vertically polarized propagation is required. Dual/individual inputs for horizontal or vertical polarization allows for varying levels of polarization split and pattern performance. JUHD & JUVD models are engineered and best used for digital/analog TV and mobile video.

Built with corrosion resistant stainless steel aluminum reflecting panels results in long lasting durability. The JUHD & JUVD antenna is based on a modular design and can be configured to provide various azimuth and elevation patterns. By using optional beam tilt and null fill, the elevation pattern can be shaped to maximize coverage.



DTV, ISDB-T, DVB-T, DVB-T2, Analog, NTSC, PAL

UHF bands IV & V

High power rating

Broadband multiple channel operation

Flexible panel placement for custom patterns

Optional mounting spine for top mount configuration

Durable and rugged stainless steel construction

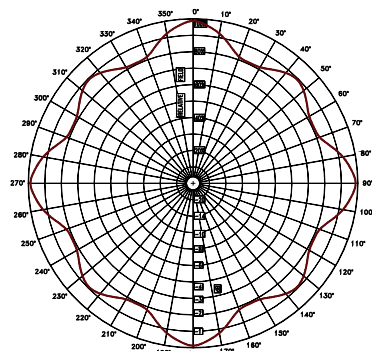
Fiberglass radome protection

TYPICAL SPECIFICATIONS

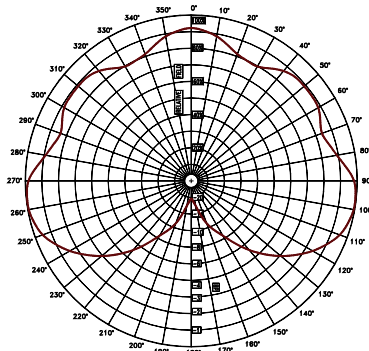
Polarization	Horizontal (JUHD) Vertical (JUVD)
Frequency Range	470-860 MHz
Impedance	50 ohm
VSWR	1.1:1
Surface	4.8 square ft / 1.46 m
Power Rating	2.5 kW per Panel



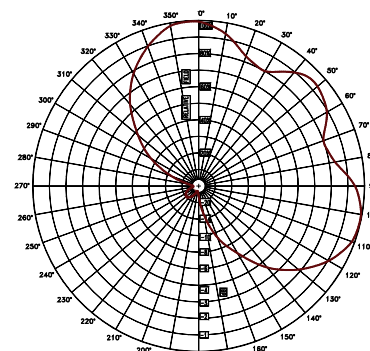
Standard Azimuth Patterns



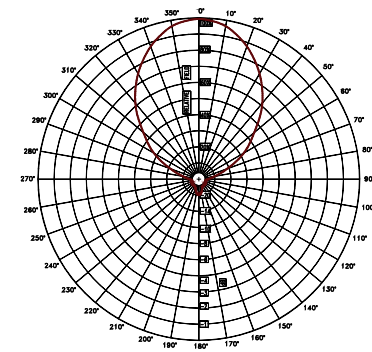
Omni



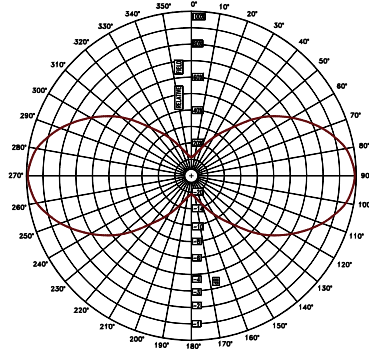
Wide Cardioid



Narrow Cardioid



Lobe



Peanut

All inputs EIA flange, female. In an omni-directional configuration, circularity is +/-2 dB (3 ft./0.91m or smaller). Input connection is EIA 50 ohm.

For assistance in pattern selection or design of a customized pattern, contact JAMPRO. Our Engineers and Sales Staff are highly trained in designing specialized systems, and are always willing to help.

NOTES

1. Weights and windloads contact factory
2. All inputs EIA flange, female. 50 ohms
3. VSWR for individual panels and complete systems typical $\leq 1.1:1$
4. Power rating per panel varies with input power
5. Total number of frequencies limited only by total input power.

6. Radomes included. Specifications upon request
7. Power and dB gains are typical RMS gains for omni-directional, horizontal and vertical components.
8. Specifications are based on one wave spaced bays. Other spacing available.

OPTIONS

FCC Directionalization, Pattern Measurement Service, Electrical Beam Tilt, Null Fill, Special Mounting Brackets.

Since many factors contribute to a station's compliance with the FCC exposure guidelines for radio frequency radiation, JAMPRO ANTENNAS, INC. cannot accept any responsibility in this matter. The station must examine and determine its status based on each individual situation. For reduced low angle radiation near the tower, a low RFR model of this antenna is available. Contact the factory for pricing data and further details.

*All specifications are subject to change without notice.