



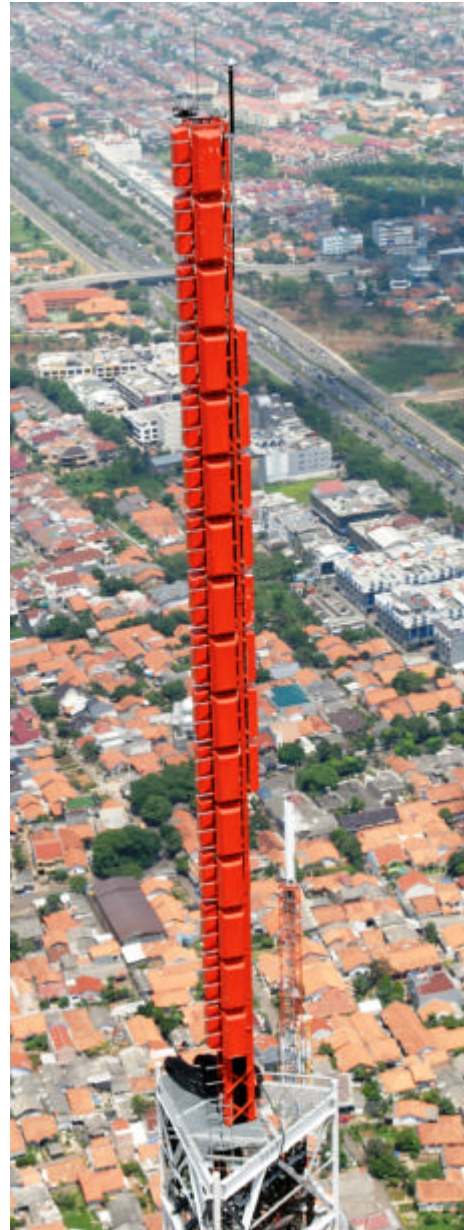
6340 Sky Creek Drive  
Sacramento, California 95828 USA

Telephone (916) 383-1177  
Fax (916) 383-1182

## **JUHD**

### **Broad Band UHF Panel Antenna**

- DTV , DVB-T/H, ANALOG  
NTSC, PAL
- UHF BANDS IV & V  
COVERAGE
- FLEXIBLE PANEL PLACEMENT  
FOR CUSTOM PATTERNS
- BROAD BAND - MULTIPLE  
CHANNEL OPERATION
- OPTIONAL MOUNTING  
SPINE FOR TOP MOUNT  
CONFIGURATION
- DURABLE AND RUGGED  
STAINLESS STEEL  
CONSTRUCTION
- FIBERGLASS RADOME  
PROTECTION





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**JAMPRO ANTENNAS, INC.** was conceived as a result of the need for quality broadcast systems at a reasonable price. From the first system delivered in 1954 to those installed today, consistent performance and quality founded on solid engineering has been our commitment.

All systems are conceived, designed and manufactured in Sacramento, California - a distinction that sets JAMPRO apart from others. Our long history in manufacturing broadcast equipment allows us to keep our prices competitive while still building the highest quality equipment available.

JAMPRO is a full service RF equipment provider. In addition to our FM, VHF and UHF antenna products, we also supply a full line of RF components.

More than 4,500 worldwide broadcasters benefit from the quality and performance of JAMPRO's systems.

The JUHD Broad Band UHF Panel Antenna is designed as either a side-mount or a top-mount antenna. The JUHD 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. The design of this horizontally polarized antenna may be configured to include varying levels of vertical polarization, with results ranging from small amounts of elliptical polarization to full circular polarization

In order to ensure many years of trouble-free service radomes are installed to enclose and protect the panels against rain and ice.

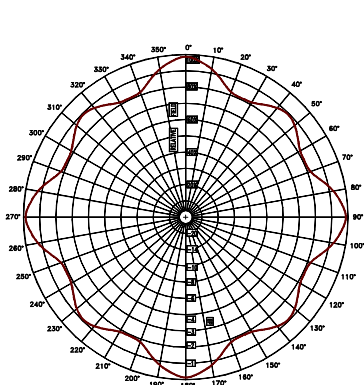
The JAMPRO JUHD Broad Band UHF Panel Antenna can produce a wide variety of standard and custom azimuth patterns. Through a feed system design which provides excellent performance regardless of a station's channel, pattern variation over the band is minimized. Different configurations will produce various gains, weights and windloads.



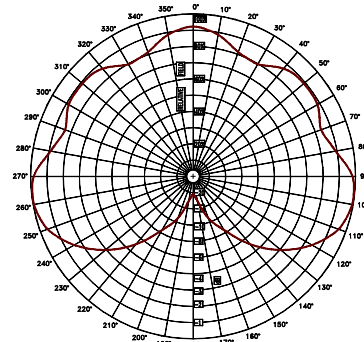
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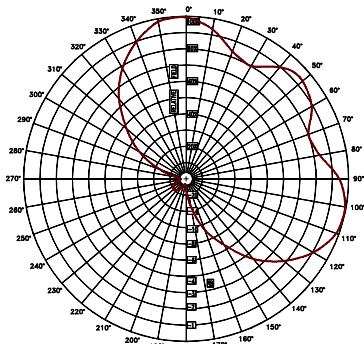
## Typical Azimuth Patterns



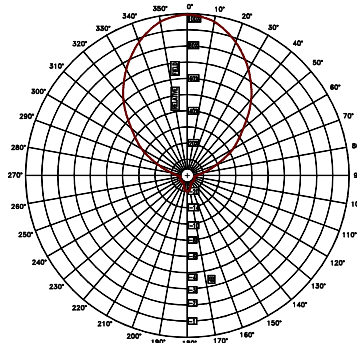
**Omni**



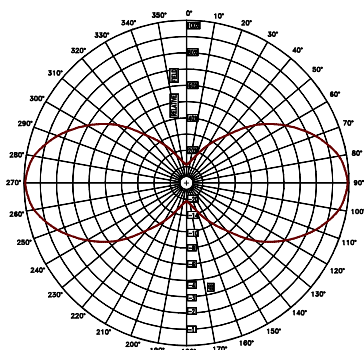
**Wide Cardioid**



**Narrow Cardioid**



**Lobe**



**Peanut**

*All inputs EIA flange, female. In an omnidirectional configuration, circularity is  $\pm 2$  dB (3 ft. or smaller). Input connection is EIA 50 ohm.*

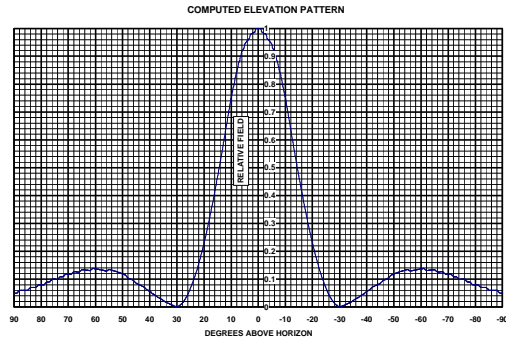
*For assistance in pattern selection or design of a customized pattern, contact JAMPRO. Our Engineers and Sales Staff are highly trained in designing specialized systems, and are always willing to help.*



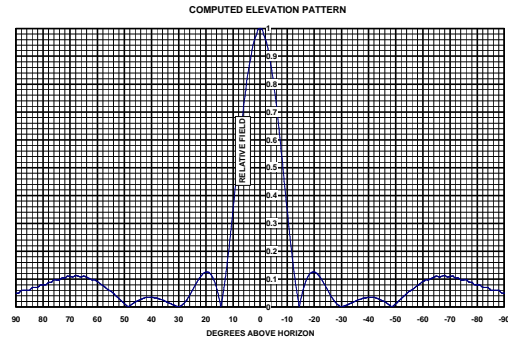
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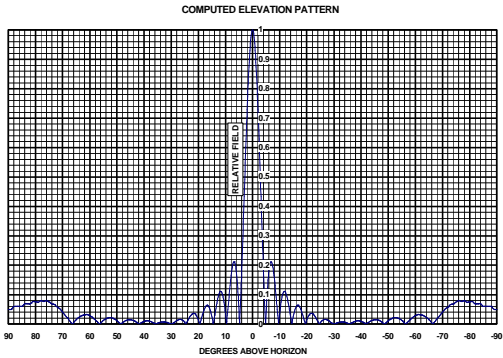
## ELEVATION PATTERNS



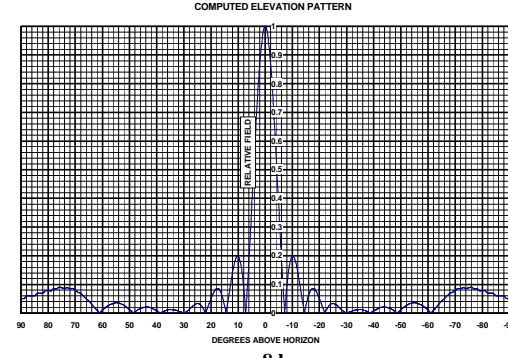
2 bay



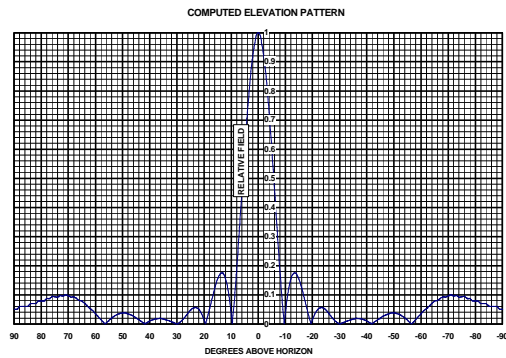
4 bay



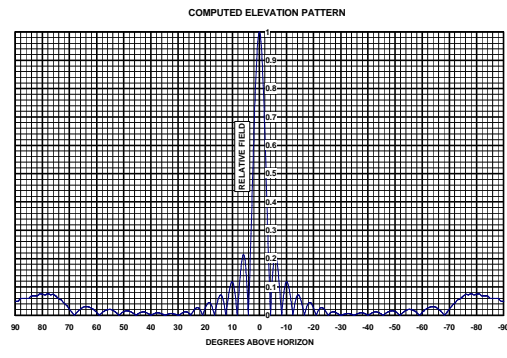
6 bay



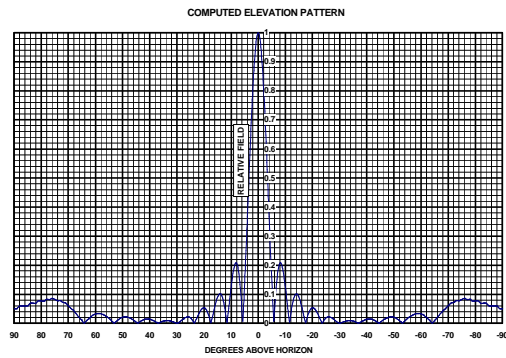
8 bay



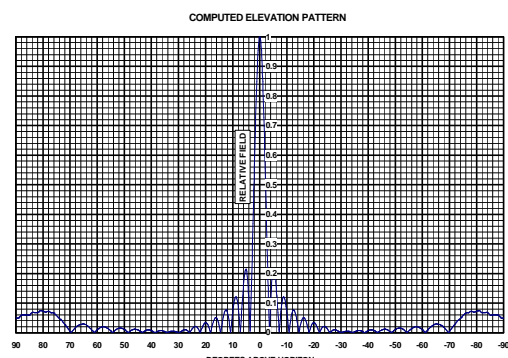
10 bay



12 bay



14 bay



16 bay



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## JUHD

### Specifications

<b>POLARIZATION</b>	<b>Horizontal</b>
<b>FREQUENCY RANGE</b>	<b>470-800 MHz</b>
<b>IMPEDANCE</b>	<b>50 ohm</b>
<b>VSWR</b>	<b>1.1:1</b>
<b>SURFACE</b>	<b>4.8 square ft.</b>
<b>POWER RATING</b>	<b>2.5 kW Per Panel</b>

JAMPRO's goal is to design and manufacture broadcast antenna systems that provide our customers with the highest quality technology and construction available today. All of JAMPRO's products are built to the customers' specifications. There are no "off the shelf" antenna systems available. It is this commitment to quality and innovation that has made us the industry leader for more than 40 years.

For more information about how JAMPRO can help your station achieve the signal performance you desire, contact our Sales Department at (916) 383-1177, fax (916)383-1182, email [jampro@jampro.com](mailto:jampro@jampro.com), or [www.jampro.com](http://www.jampro.com).

All specifications are subject to change

