



## JAVA FM Broadband Log Periodic ANTENNA

**JAMPRO JAVA** FM broadband log periodic antenna system is one of the finest available to the broadcasting industry. Ideal for High Gain Directional applications.

It is Broadband with Low VSWR across the entire FM Band. (87.5 to 108 MHz).

The antenna system consists of log periodic antenna assemblies, power divider, feed cables, mounting brackets/hardware to provide secure mounting to the tower.

Custom directional azimuth pattern and FCC Certification available on the Jampro full-scale test range to confirm FCC DA/ Customer's requirements.

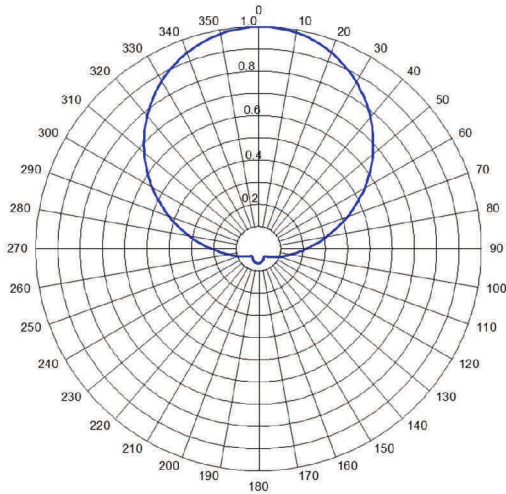


- **FM Band:** 87.5-108 MHz
- **Element Gain:** 6.5 dBd
- **Input power:** 5 kW
- **VSWR:**  $\leq 1.3:1$
- **FM Band Polarization:** Vertical, Horizontal or Slant
- **Input Connector:** 7/8" EIA

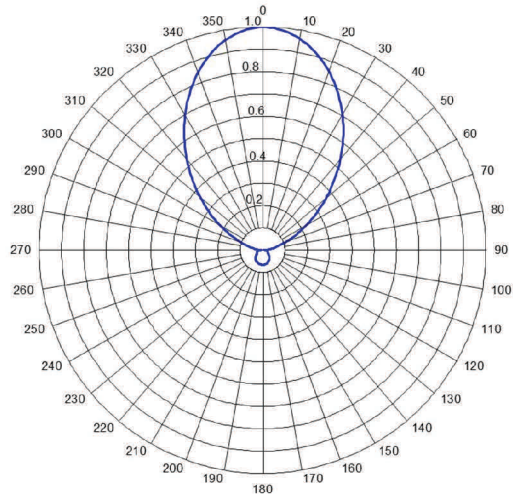
**Aluminum or Hot dipped Galvanized-optional**  
**Custom directional patterns**



# Bays	Power Gain Times	dB Gain	Safe Input Power kW	Weight (lbs)	Wind load (lbs)
1	4.48	6.51 dBd	5 kW	Contact Factory	
2	8.95	9.52 dBd	5 kW		
3	13.43	11.28 dBd	5 kW		
4	17.86	12.52 dBd	5 kW		



Hplane Cut  
Free Space



Eplane Cut  
Free Space

**NOTES:**

1. All inputs EIA flange, female.
2. Power derating occurs above 2,000 ft. elevation.
3. Power and dB gains are typical Peak gains.
4. Special mounting brackets available.
5. Other combinations of EIA inputs and power rating available.
6. Other ratings available, contact factory.
7. Power gain is based on half wave dipole in free space.

Since many factors contribute to a station's compliance with the FCC exposure guidelines for radio frequency radiation (RFR), 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 subject to change without notice.*