



6340 Sky Creek Drive
Sacramento, California 95828 USA

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

JCPB

The JAMPRO JCPB FM Broadband Broadcast Antenna

The JAMPRO JCPB sidemount antenna is a broadband version of the PENETRATOR antenna, which has become an industry standard for quality and performance. Each bay consists of a PENETRATOR style radiating element supported by a galvanized steel mounting bracket; standard round leg mounting brackets for a uniform face tower are included with each antenna. Silver plated inner conductor connectors are used throughout for maximum contact life and minimum power loss.

Excellent VSWR and Bandwidth (1.2:1 over 6 MHz. minimum, wider bandwidths upon request)

Rugged Mechanical Construction & Mounting

Circular Polarization

DC Grounded at Every Bay for Maximum Lightning Protection



Made With Stainless Steel for Long-Lasting Performance

Multi-channel Operation Available



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Electrical Specifications

Frequency	Band II 87.5-108 MHz
Circularity	2.0 dB
Polarization	Circular
Impedance	50 ohm
VSWR	1.2:1 or better than 20.8 dB

# of Bays	Power Gain (times)	Gain (dB)	Safe Power	
			JCPB-M	JCPB-H*
1	.45	-3.4	2kW	5 kW
2	.90	-0.4	4 kW	10 kW
3	1.38	1.4	6 kW	15 kW
4	1.95	2.9	8 kW	20 kW
6	3.0	4.8	10 kW	30 kW
8	4.3	6.4	10 kW	40 kW

* Higher power ratings available

Notes:

- 1) All inputs EIA flange, female.
- 2) Power derating occurs above 2,000 ft. elevation.
- 3) Power and dB gains are typical RMS gains for horizontal and vertical components.
- 4) Special mounting brackets available.
- 5) Other combinations of EIA inputs and power rating available.
- 6) Free space azimuth circularity is 2.0 dB.
- 7) Polarization is right hand, clockwise, circular.
- 8) 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