



FM SYSTEMS
PRODUCT CATALOG 2022



JAMPRO ANTENNAS, INC.— Your Partner for DTV-DVB-T & HD Radio Solutions- the oldest, most experienced broadcast antenna company in North America with over 50 years of experience providing “Complete Turnkey Broadcast Systems.”

ABOUT JAMPRO

Jampro Antennas Inc., established in 1954 to answer the need for high quality broadcast systems with a cost effective solution. Jampro is a leading supplier of antennas, combiners & filters, towers and RF components for every application in the broadcast industry. Reputed for innovation and customization, Jampro builds each system to the specifications of each individual broadcaster. From the first system delivered to those installed today, Jampro is committed to consistent performance and quality founded on solid engineering. Today over 25,000 broadcasters worldwide benefit from the quality and performance provided by Jampro systems.

CONTINUING THE TRADITION

- Engineering and manufacturing broadband multi channel systems for UHF/VHF/FM since 1967 and delivered more than 200 systems in the last 5 years.
- Delivered and installed the highest power broadband UHF systems including antennas, combiners, transmission line, and towers in Asia. One system rated for 320kW and three others operate at 240kW, 260kW, and 280kW.
- Major supplier for common transmission infrastructure projects in India. Supplying more than 75% of equipment for phase 1 and the largest number of sites for phase 2.
- True pioneer in the development and introduction of “Circular Polarization to TV.” Delivering 1st circularly polarized TV Antenna in the world and 1st 5MW circularly polarized UHF system.
- Fully staffed with experienced engineers worldwide to perform field and installation services.
- Jampro Antennas (Canada), Inc. established to better serve the Canadian and International market.
- Jampro acquires iconic European antenna supplier, ADBL (Alan Dick Broadcast Ltd), to cover the needs of broadcasters worldwide. More information about ADBL can be found on their website at www.AlanDickBroadcast.com.
- Regional offices located in Latin America, Asia, USA (California, Mid-West & Texas), Canada, and the United Kingdom.

For more information visit www.JAMPRO.com

FM ANTENNAS

Sidemount

- JLPC
- JMPC
- JHPC
- JSCP
- JHCP
- JLLP
- JLCP
- JLVP
- JLHP
- JMVP
- JHVP
- JMHP/JHHP
- JSHD
- JBCP-H&M
- JBVP
- JCPB-M&H
- JCPB-DA
- JSWB

FM SIDEMOUNT ANTENNAS

Penetrator Series



JLPC Low Power

Each bay consists of a Penetrator style radiating element with a rigid shunt feed line supported by a galvanized steel mounting bracket; standard round leg mounting brackets for a uniform face tower are included with each antenna.

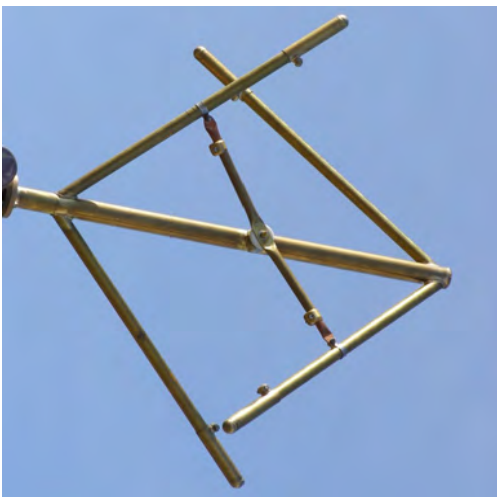
- Power rating 1kW per bay (max 4kW)
- Excellent VSWR without field tuning
- Custom mounting brackets
- Electrical beam tilt
- DC grounded at each bay



JMPC Medium Power

The JMPC is factory tuned to any frequency in the FM Band II (87.5 - 108 MHz) range on a tower structure that simulates the customer's actual tower.

- Power rating 10kW maximum, 3" center feed option
- Excellent VSWR without field tuning
- FCC directionalization
- Custom mounting brackets, radomes & electrical deicers available
- Multi frequencies & DC grounded at each bay



JHPC High Power

The true circular polarization of the JHPC antenna offers excellent performance for HD Radio, stereo and SCA operation. Multiple frequency design is also available.

- Power rating 40kW maximum, 6" center feed option
- Excellent VSWR without field tuning
- FCC directionalization
- Multi frequencies & DC grounded at each bay
- Custom mounting brackets, radomes & electrical deicers available

FM SIDEMOUNT ANTENNAS

Penetrator Series



JSCP "The Original"

The JSCP antenna is the first circularly polarized FM antenna engineered at JAMPRO over 40 years ago. This antenna is constructed of the highest quality marine brass and copper. A hot dipped galvanized steel mounting bracket for utmost grounding supports each bay.

- Power rating 40kW maximum
- Excellent VSWR without field tuning
- FCC directionalization
- Custom mounting brackets, radomes & electrical deicers available
- Multi frequencies & DC grounded at each bay



JHCP "The Brute"

The JHCP antenna has been nicknamed "The Brute" because of the ultra high power handling of the antenna. Constructed with heavy duty brass and copper.

- Power rating 15kW to 80 kW
- Excellent VSWR without field tuning
- True circular polarization
- Custom mounting brackets & electrical deicers available
- Multi-channel & frequencies
- DC grounded at each bay



JLLP Low Power Penetrator

Designed to meet the needs of low power and educational stations that require excellent performance with a cost effective solution.

- Power rating 4kW maximum
- Outstanding VSWR without field tuning
- Available for 88-108 MHz
- Electrical deicers available

FM SIDEMOUNT ANTENNAS

Low Power Series



JLCP Circularly Polarized

The simplicity of the JLCP helix design gives low power stations the flexibility needed to meet their individual requirements.

- Power rating 500 Watts to 2kW (Based on configuration)
- Outstanding VSWR without field tuning
- Stainless steel construction
- Circularly polarized
- Low maintenance



JLVP Vertically Polarized

Vertically polarized FM arrays are completely assembled and factory tuned on similar tower structures to insure proper impedance match and minimum VSWR.

- Power rating 500 Watts to 2kW (Based on configuration)
- Outstanding VSWR without field tuning
- Stainless steel construction
- Available for 88-108 MHz



JLHP Horizontally Polarized

The JLHP is a low power antenna designed specifically for omni-directional translator/booster horizontally polarized applications.

- Power rating 500 Watts to 1kW input power (Based on configuration)
- Outstanding VSWR without field tuning
- Stainless steel construction
- Low maintenance
- Available for 88-108 MHz

FM SIDEMOUNT ANTENNAS

Vertical | Horizontal Series



JMVP Vertical Dipole

Constructed of durable, non-corrosive brass and copper. All associated brackets and hardware are made of stainless steel or hot dipped galvanized steel for many years of dependable service.

- Power rating 10kW maximum
- Excellent VSWR & bandwidth
- Input: 1-5/8" EIA
- DC ground at each bay & radomes available



JHVP Vertical Dipole

FM antenna systems consisting of a balun fed vertical dipole and rigid coaxial feed system. Excellent performance for HD Radio.

- Power rating 40kW maximum
- Excellent VSWR & bandwidth without field tuning
- Input: 3-1/8" EIA
- Available for 88-108 MHz
- DC ground at each bay & radomes available



JMHP / JHHP Horizontal Dipole

FM antenna systems includes a sidemount horizontally polarized dipole and rigid coaxial feed system. Excellent performance for HD Radio.

- Power rating 40kW maximum
- Excellent VSWR & bandwidth without field tuning
- Input: 1-5/8" EIA (JMHP) | 3-1/8" EIA (JHHP)
- Available for 88-108 MHz
- DC ground at each bay & radomes available

FM SIDEMOUNT ANTENNAS

Vertical | Horizontal Series & Optimizer Series



JSHD Omni-Directional Dual Dipole

FM antenna system for full service stations provides exemplary linearity and power handling capability. Ideal for HD applications.

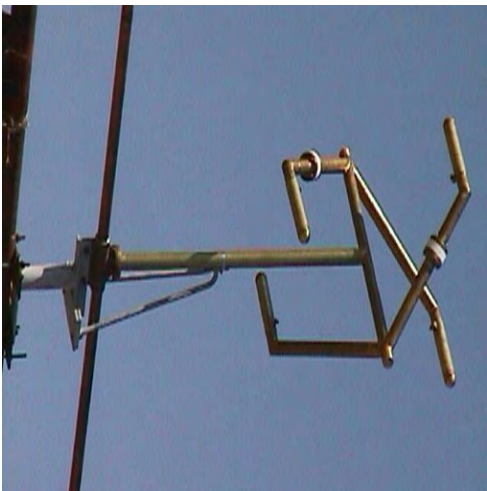
- Dual input (HD & Analog)
- Power rating 10kW per dipole set
- Excellent VSWR without field tuning
- Special mounting brackets & radomes available



JBCP-H High Power Optimizer

Designed for broadcast applications that require relative insensitivity to icing conditions as well as high power handling. Each element is fabricated with high strength thick wall brass and copper with a 3-1/8" outside diameter. Available for HD applications.

- Power rating 40kW maximum
- Excellent VSWR & bandwidth without field tuning
- Input: 3-1/8" EIA
- Radomes Available
- Circular or elliptical polarization & DC ground at each bay



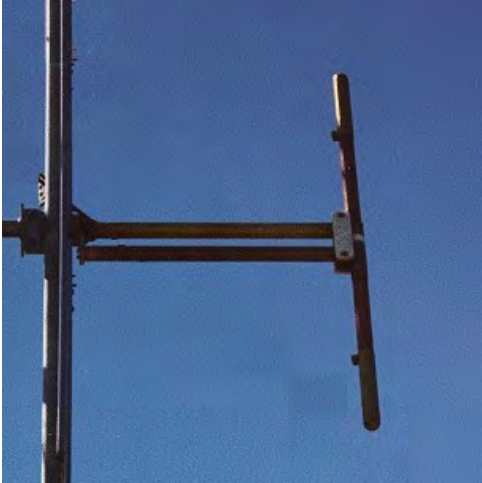
JBCP-M Medium Power Optimizer

Medium power version of the JBCP-H and utilizes an 1-5/8" rigid shunt line. Factory VSWR tuned on a similar tower structure to minimize coupling.

- Power rating 12kW maximum
- Excellent VSWR & bandwidth without field tuning
- Input: 1-5/8" EIA / Optional 3-1/8" Center feed
- Excellent duplexing capabilities
- Radomes Available & DC ground at each bay

FM SIDEMOUNT ANTENNAS

Broadband Series



JBVP Medium Power

Vertically polarized broadband side mount FM antenna consisting of a Balun fed vertical dipole, power divider and coaxial feed lines.

- VSWR 1.25:1 over 6 MHz minimum (*Full band options available)
- Custom directional patterns available
- Reduced element spacing to minimize RF levels
- Excellent diplexing capabilities



JCPB-M & H

Broadband version of the Jampro 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.

- Power rating 2.5kW (JCPB-M) | 5kW (JCPB-H)
- Ideal for broadband & multi frequency applications
- Excellent VSWR & bandwidth without field tuning
- Circular polarization
- DC ground at each bay & balun radomes available



JCPB-DA

Broadband directional FM Sidemount antenna which adds 2dB or more directivity depending on mounting structure.

- Power rating 2.5kW to 5kW
- Multi-channel operation available
- Excellent VSWR & bandwidth without field tuning
- DC ground at each bay & rugged mechanical construction

FM SIDEMOUNT ANTENNAS

JSWB



Pressurized element & internal feed system

Ideal for multiple frequency applications

Excellent Azimuth patterns

Outstanding VSWR performance & bandwidth

88-108 MHz frequency range

High power handling

Factory tuned

Optional Radomes Available

Circularity is ± 1.0 dB, Free Space

The JAMPRO JSWB FM side mount antenna is designed for multiple frequency broadcast applications that require moderate to high power capability. Each element is fabricated with high strength thick wall brass and copper with a 1-5/8" outside diameter. Capable of handling 10 to 100 kW, the JSWB is one of the highest power side mount FM antennas available. On a single frequency, VSWR is 1.1:1 \pm 200 KHz and 1.15:1 typical for multiple frequencies. Excellent for combining and multiplexing, frequencies over large segments of FM bands. The JSWB is a circularly polarized antenna ideally suited for HD Radio digital broadcasting simultaneously with your analog signal. Factory tuned on an electrical equal to your tower such that field tuning is not required.

The JSWB is supported by a hot dipped, galvanized steel mounting bracket for good grounding. Standard round leg mounting brackets for uniform face tower are included with each antenna, custom brackets available. Silver plated inner conductor connectors are used throughout for maximum contact life and minimum power loss.

Available with fractional wave length spaced bays for downward radiation control, when needed.

FM ANTENNAS

Panel

All models ideal for broadband multiple frequency applications.

- JADP
- JAHD
- JCPD
- JFHD/JFVD
- JFVX

FM PANEL ANTENNAS



JADP Cavity Backed

Utilizes a wide-band element to excite a cavity resonator for maximum beam control and axial ratio. The result is an antenna which is far superior to standard flat panel designs. HD ready.

- Excellent VSWR & bandwidth without field tuning
- Omni or directional patterns
- Multi or single station use
- Radomes available
- DC ground at each bay



JAHD Arrowhead Dipole

Excellent choice for stations looking for above average pattern stability and excellent control over axial ratio. Designed to be mounted on the sides of a large tower or other large supporting structure. HD ready.

- 10 kW Input Power per panel (*Higher power options available)
- Excellent VSWR & bandwidth without field tuning
- Omni or directional patterns
- Multi or single station use
- DC ground at each bay



JCPD 4-Dipole Flat Panel

Circularly polarized 4-dipole flat panel antenna system. Rugged galvanized steel construction insures many years of dependable performance in even the harshest environments.

- Excellent VSWR & bandwidth without field tuning
- Radomes available
- Omni or directional patterns
- DC ground at each bay

FM PANEL ANTENNAS



JFHD (Horizontal) | JFVD (Vertical)

Each panel contains dual dipoles on a flat reflector, featuring high gain and low downward radiation. Proven to have excellent bandwidth and pattern stability. HD versions available.

- 50 ohm
- Excellent VSWR & bandwidth without field tuning
- Available for 88–108 MHz
- Radomes available
- Omni or directional patterns

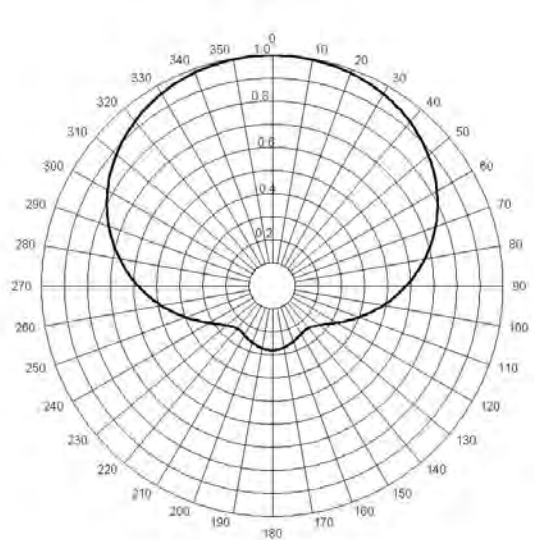


JFVX Vertical Dipole

The lightweight design combined with stainless steel vertically polarized dipole and rugged galvanized steel reflector insures many years of dependable performance in even the harshest environments.

- Single Element: Gain 3.7 dB (typical)
- Excellent VSWR & bandwidth without field tuning
- Available for 88–108 MHz
- Radomes available
- Omni or directional patterns

JFVX Single Dipole Pattern





PRODUCTS & SERVICES

Antennas

- UHF
- VHF
- FM

Combiners/Filters

- UHF
- VHF
- FM

Transmission Line

- Rigid Line
- Coaxial cable
- Waveguide

Towers

- Guyed
- Self Support

Field Services/Installation

- Turn Key Installations
- Site Survey and Inspection Services
- Transmission Line System Design and Layout
- System Optimization Testing Service
- After Sales Maintenance and Inspection

JAMPRO.com

INSTALLATIONS

First DTV Antenna on the
Hancock Building CBS - Chicago, USA



Star FM - Brisbane, Australia



Highest Power
Antenna in Asia
Jakarta, Indonesia



Mt. Wilson - California, USA



When You Want More Than Just an Antenna

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