



JFHD

The JAMPRO JFHD Horizontal Dipole Flat Panel FM Broadcast Antenna

The JAMPRO JFHD is a horizontally polarized FM broadcast antenna offering a wide range of patterns. Each panel contains dual dipoles, featuring high gain and low downward radiation. Rugged galvanized steel construction insures many years of dependable performance in even the harshest environments. The JFHD antenna has proven to have excellent bandwidth and pattern stability. Standard and custom directional patterns are available to fit any of your coverage requirements.

FM Band (88-108 MHz)

Typical Single Channel VSWR
1.1:1 +/- 200 KHz Or Better

Horizontally Polarized

Omni-Directional or Custom
Directional Patterns Available

Rugged Hot Dipped Galvanized
Steel Construction

Pressurized Feed System

Fiberglass Radomes Optional

Custom Mounting Brackets
Available

Single Panel Gain 8 dB



JAMPRO JFHD BROADCAST ANTENNA

# Bays	Panels per Bay	Gain (times)	Gain (dBd)	Height (ft)	Projected Area (sq. ft.)
1	2	3.2	5.1	4.2	Contact Factory
	3	2.2	3.5		
	4	1.6	2.1		
2	2	6.5	8.1	9.7	Contact Factory
	3	4.5	6.5		
	4	3.2	5.1		
4	2	12.9	11.1	20.7	Contact Factory
	3	8.9	9.5		
	4	6.5	8.1		
6	2	19.5	12.9	31.7	Contact Factory
	3	13.5	11.3		
	4	9.8	9.9		
8	2	26.9	14.3	42.7	Contact Factory
	3	17.8	12.5		
	4	13.5	11.1		

Notes:

1. Weights and wind loads shown include feed lines.
2. Windload ratings are based on 50/33 PSF (98 MHz-mid band).
3. All inputs EIA flange, female, 50 ohm.
4. Polarization is horizontal.
5. Power rating available in many different ratings.
6. Optimized bandwidth over nominal 50 ohm VSWR of 1.1:1 over FM band available.
Contact factory for details.
7. Power gain is based on half wave dipole in free space
8. Radomes optional. Specifications on request.
9. Weights and wind loads calculated without ice.
10. Height based on 1/2 wave spacing.
11. All specifications are subject to change.

Options

Options available include FCC-Directionalization, Pattern Measurement Service, Beam tilt and Null fill, Special mounting brackets.

Non-ionizing Radiation

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.