



JSCP Side Mount FM Antenna

The JAMPRO JSCP antenna is the PENETRATOR antenna which has become an industry standard for quality and performance.

Rated at 10-40 kW Maximum input, each bay consists of a PENETRATOR style radiating element with a 3-1/8" shunt feed line.

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

Multiple frequency design is also available.

The true circular polarization of the JSCP antenna offers excellent performance for HD Radio, stereo and SCA operation. Typical VSWR is 1.10:1 \pm 200 kHz.

The JSCP antenna is constructed of the highest quality marine brass and copper.

A hot dipped – galvanized steel mounting bracket for utmost grounding supports each bay. Standard round leg mounting brackets for uniform face towers are included with each antenna. Silver plated inner conductor connectors are used throughout for maximum contact life and minimum power loss.

Each JSCP antenna is DC grounded at every bay for maximum lightning protection. This rugged mechanical construction and mounting ensure the long life and outstanding performance of each JSCP antenna system.



Options Available:

Radomes

Deicers

FCC Directionalization

Reduced RF Arrays

Pattern Measurement Study

Custom Mounting Brackets

Electrical Beam Tilt

Null Fill

Multi Frequencies



JSCP Standard Penetrator

Number of Bays	Power Gain	dB Gain	FS @ 1 Mi.	Save Input Power kW	Weight (lbs)	Wind load (lbs)
1 Deicers Radomes	0.46	-3.37	93.2	10	35	41
					44	53
					65	164
2 Deicers Radomes	1	0	136.7	20	155	210
					173	234
					215	449
3 Deicers Radomes	1.5	1.76	168.4	30	250	341
					276	389
					340	699
4 Deicers Radomes	2.1	3.22	199.2	40	346	471
					380	544
					466	950
5 Deicers Radomes	2.7	4.31	225.2	40	441	602
					484	698
					591	1200
6 Deicers Radomes	3.2	5.05	246	40	537	733
					588	854
					717	1451
8 Deicers Radomes	4.3	6.34	285.2	40	728	995
					796	1164
					968	1952
10 Deicers Radomes	5.5	7.4	322.4	40	919	1257
					1004	1475
					1219	2453
12 Deicers Radomes	6.6	8.2	353.2	40	1110	1519
					1213	1785
					1,470	2954

Notes:

- Weights and wind loads shown include standard leg mounting brackets and feed lines
- Wind loads based on 50/33 PSF (98 MHz, mid-band)
- Feed points, when end fed is 3 ft below bottom bay; when center fed is 9'. 6" below center
- All inputs are EIA flange, female
- Power derating occurs above 2,000 feet elevation. Contact factory for details
- Power and dB gains are typical for horizontal and vertical components
- Special mounting brackets are available
- Other combinations of EIA inputs and power ratings available
- Free space azimuth circularity is ± 2.0 dB
- Polarization is right hand, clockwise circular
- Power gain is based on half wave dipole in free space
- Specifications based on one wave spaced bays, other spacing available

Since many factors contribute to a station's compliance with FCC exposure guidelines for radio frequency radiation, Jampro Antennas 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 configuration of this antenna is available. Contact the factory for pricing and further details.

All specifications subject to change without notice.