



JA-SS Super Slot Low & Medium Power TV Antenna Solution

Ideal for DTV and NTSC Drop In's

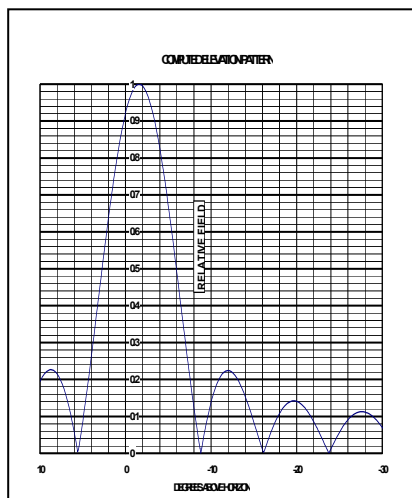
Long time TV and FM antenna manufacture, Jampro Antennas, Inc., introduces the enhanced, next generation, low power slot antenna for DTV Channels 14-69 (470 to 806 MHz.). Low purchase price couple with outstanding performance allows stations a non-compromise performance antenna that meets the critical coverage needs of growing stations.

This Jampro series is a group of horizontally polarized UHF antennas developed to handle up to 2 kW DTV (average) or 3 kW analog (NTSC) input power while providing ERP levels up to 211.5 kW. Because this product family was designed to be low weight and wind load, it can be used on many stations existing analog towers with little or no structural changes. Installation can be side or optional top mount.

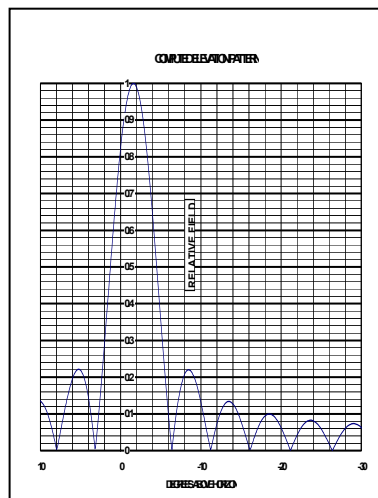
Because of the JA-SS's outstanding bandwidth, stations may diplex or even triplex to save even more on the cost of stations in congested areas where several stations are moving to DTV. Standard EIA input fittings assure fast, rugged and simple installation.

Five azimuth patterns are available to address your coverage desires. 8, 12 and 16 bay configurations of this antenna offer gains from 14.06 (Omnioid) to 70.5 times (Narrow Lobe).

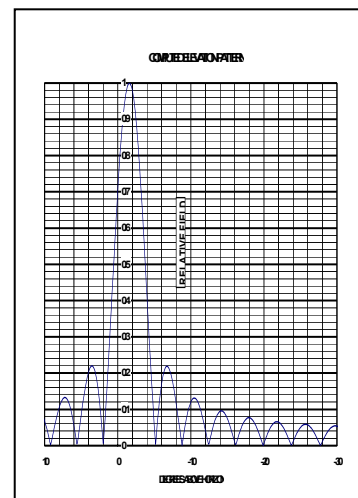
Typical Elevation Patterns:



8 Bay Elevation



12 Bay Elevation



16 Bay Elevation



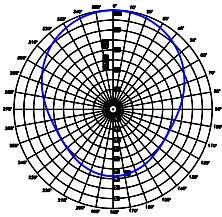


6340 Sky Creek Drive
Sacramento, California 95828 USA

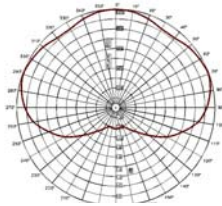
Telephone (916) 383-1177
Fax (916) 383-1182

Jampro JA-SS Super Slot Antenna Specifications

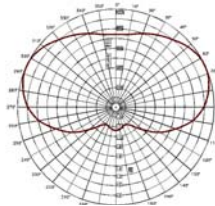
Available Patterns*:



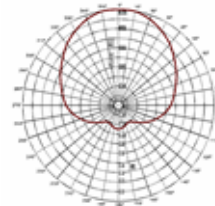
Omniod



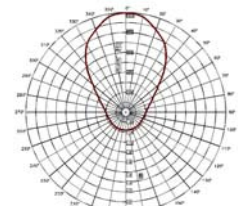
Cardioid



Peanut



Medium Cardioid



Narrow Lobe

Mechanical Specifications (Diameter ~ 3.5") Power Level: 3kW, peak (2 kW average):

	Height** ft.	Weight* lbs.	Wind load** lbs	Typical Gains				
				Omniod	Cardioid	Peanut	Medium-Cardioid	Lobe
8 Bay								
14-69	22	125	225	14.06x 11.48dBd	13.1x 11.17dBd	15.2x 11.12dBd	13.0x 11.14dBd	35.2x 15.47dBd
12 Bay								
14-69	26	160	256	21.09x 13.24dBd	19.7x 12.95dBd	22.9 13.6dBd	14.8x 11.70dBd	52.9x 17.24dBd
16 Bay								
14-69	30	190	394	28.12x 14.49dBd	26.2x 14.18dBd	30.5x 14.84dBd	16.1x 12.07dBd	70.5x 18.48dBd

Electrical Specifications

Frequency Range	470-806 MHz. (US Channels 14-69, European 21E-62E)
Operating Frequency	Specify one, two or three channels in its range Minimum one channel spacing between diplexed or triplexed models
VSWR	1.1:1 for one channel; 1.25:1 for two channels and 1.35:1 three channels
Input Impedance / Type	50 Ohms / EIA Flange: 7/8 and 1-5/8, female
Standard Beam Tilt	1.6 °
Antenna Gain	From 14.8 x (11.7 dBd) Omniod to 70.5 x (18.4 dBd) Narrow Lobe
Pattern Measurement Service	Optional full size pattern measuring allows observing 'real world' conditions. This service provides from 5 to 10 measured variations of the Free Space pattern on a full size duplication of your tower to help determine the optimum mounting arrangement for maximum coverage.

*Omniod Pattern #1 standard, other patterns optionally available **Weight and Wind loads include power divider, inner bay coax and standard mounting brackets for up to 3" OD tower leg, side mounting. Optional top mount available. Weights and wind loads vary with frequency and are based on 50/33 PSF. Dimensions may vary with frequency, CH26 shown. Optional Patterns # 33, 9, 5 and 7 shown. Specifications are subject to change without notice.