

Dated: July-07-2011

Electromagnetics

Issue: 2

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JAG's dedication to continuous Research & Development will result in product improvements as they evolve.

Rev070711.0

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**Delta2 Series** EXPOSED FOLDED UHF EXPOSED FOLDED

195-245 MHz



## JAG-220-8-1/2-F1-TOP

### **Features**

- 5-year factory warranty (See page 3)
- Broadband (50 MHz)
- Suitable for multi-frequency systems
- High gain applications
- Soldered internal joints
- DC Grounded
- Stainless steel hardware
- Expert TIG welding
- Natural rubber plugs
- Stock for re-use or re-sale
- Low PIM
- Operation in harsh environments
- Optional lightning rod spike
- Optional downtilt versions
- Optional inverted mountable model

- Tower top mountable
- **Optional coatings**
- Ideal for monitoring stations

### Description

The JAG-220-8-1/2-F1-TOP is an 8-bay version of the JAG-220-1-1/2, incorporating all the features of the basic model into an extremely high gain antenna needed in certain system applications. The JAG-220-8-1/2-F1-TOP is designed for tower top mounting and is supplied with either quarter-wave (JAG-220-8-1/4-F1-TOP) or halfwave (JAG-220-8-1/2-F1-TOP) dipole-to-mast spacing. A JAG flange in the middle means this antenna is only 15feet long when shipped and 25-feet tall assembled.

The JAG-220-8-1/2-F1-TOP features 6061-T6 aluminum and stainless steel construction. Features such as natural rubber plugs make sure the internal phasing harness remains well protected from the elements ensuring trouble free operation.

This series also offers customers with an optional heavy-duty solid stainless steel lightning rod spike for locations prone to lightning strikes. JAG's standard option consists of a stainless steel bolt fed through the machined end cap. The stainless steel bolt allows for a corrosion free low resistance area for any potential lightning strikes as the surrounding aluminum oxidizes over time.

The JAG-220-8-1/2-F1-TOP, with its rugged construction and ease of installation, is ideal for leased or rented system use. Its bandwidth also makes it perfect to stock for re-use or re-sale.

### JAG-220-8-1/2-F1-T0P at a glance



Expert TIG welding



Natural rubber plugs



Heavy-duty dipole fixture



Optional lightning rod

Site-specific mounting hardware is necessary with theses antennas. Please consult JAG to determine suitable clamps for your application

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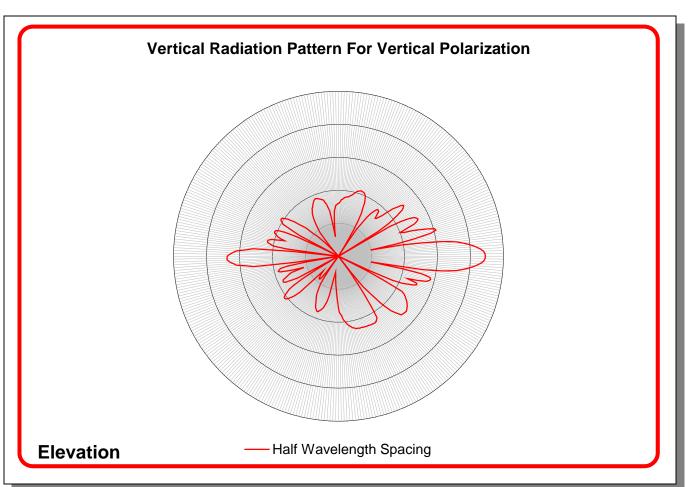
Specifications are subject to change without notice. As a result, all information contained in the present datasheet is subject to confirmation at time of ordering.



Delta2 Series EXPOSED FOLDED WHF DIPOLE 8-Bay Array 195-245 MHz

# +

## JAG-220-8-1/2-F1-TOP



\* This is a general representation of the Delta0 Series JAG-220-8-1/2-F1-TOP antenna radiation pattern. For the latest detailed pattern contact JAG Applications Engineering.

### WARRANTY

Specification Sheet

AG-220-8-1/2-F1-TOP Product

JAG Electromagnetics warrants all its products against defects in material or workmanship and is only applicable if failure results from these factors within five years from the purchase date by the user. Jag Electromagnetics will be responsible for the supply, at no charge, of new or rebuilt replacements in exchange for defective parts for the duration of the warranty. This warranty does not extend to any JAG products that have been subject to misuse, neglect, accident, improper installation or application. In addition, this warranty does not extend to repaired or substantially altered outside our manufacturing plant.

JAG Electromagnetics will not be liable for any incidental or consequential damages due to failure of a JAG product under this warranty or any implied warranty. JAG is in no event liable for consequential damages or other costs of any kind as a result of the use of the products manufactured by JAG. No envoy is sanctioned to presume for JAG any other legal responsibility in connection with JAG products. JAG Electromagnetics is not accountable for replacement of any product damaged by lightning.

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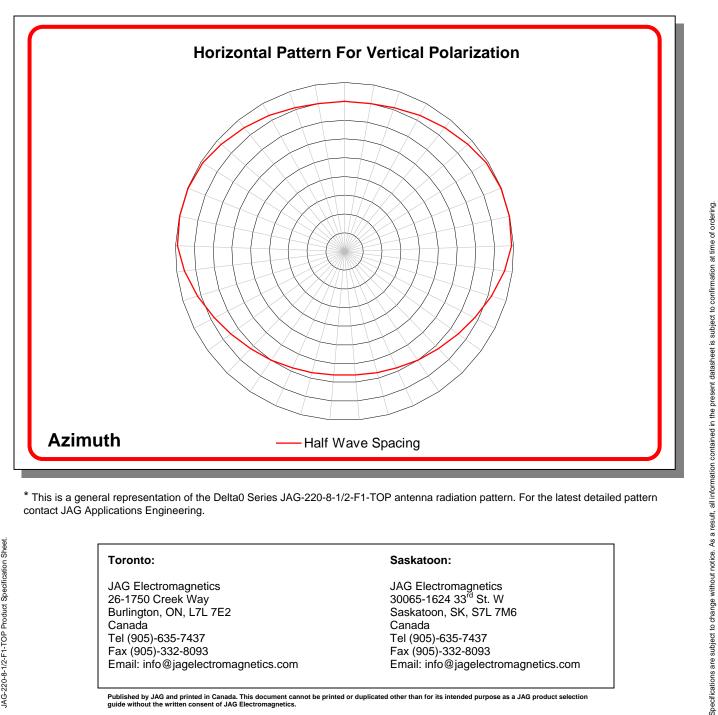
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