



An Oshkosh Corporation Company

FOR IMMEDIATE RELEASE

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## Frontline Communications Announces Innovative Ka/Ku-Band Dual Feed Satellite Antenna Has Passed Initial Testing

**CLEARWATER, Fla. (September 21, 2015)** – Frontline Communications, an Oshkosh Corporation (NYSE:OSK) company, announced today its new automatic Ka/Ku-band dual feed satellite antenna system has been approved for use on the ViaSat network. The antenna, designed by AvL Technologies in a collaborative effort with Frontline, has passed initial field testing and is pending final approval from the FCC. This innovative satellite antenna enables a new dual-band capability on the ViaSat network, allowing the user to safely switch from Ka-band to Ku-band with a single switch function on the antenna controller from inside the vehicle. At the push of a button operators can select either IP delivery using the ViaSat Ka-band service or legacy DVBS delivery via their existing infrastructure.

This is significant for broadcasters that commonly share live content with other stations and networks using Ku-band. Prior Ka/Ku-band antennas required the user to manually switch out the different feeds while on the roof of the vehicle. The antenna system includes a 1.2m reflector and AvL's AAQ antenna controller which utilizes an automatic slide mechanism to precisely position the feed as needed.

"Frontline customers have expressed a very high level of interest in this new design and we are excited about the opportunity to provide this new satellite antenna technology to the broadcast industry," said Jonathan Sherr, vice president of Frontline Communications.

"AvL was pleased to collaborate with Frontline on this important capability and deliver an antenna that enables broadcasters and other operators the ability to seamlessly switch from Ka service to Ku, or from Ku service to Ka," said Tony Wilkey, senior vice president of AvL Technologies. "It's in AvL's DNA to innovate and deliver new technologies for customers with special requirements."



Frontline designed and built the first Ka-band satellite truck for the broadcast industry in 2009. It remains committed to listening to its customers and engineering teams to introduce new technologies for broadcasters.

### **About Frontline Communications**

Frontline Communications, a division of Pierce Manufacturing, Inc., a subsidiary of Oshkosh Corporation (NYSE:OSK), is the leading manufacturer of custom broadcast and communications vehicles. The company's wide range of products, including the NT Series, Sprinter and triple slide-out MCV are valued for their quality, advanced technologies and integration capabilities that perform in the most extreme environments. Frontline Communications is an ISO 9001:2008 Registered company. Visit [www.frontlinecomm.com](http://www.frontlinecomm.com) for more information.

### **About Oshkosh Corporation**

Oshkosh Corporation is a leading designer, manufacturer and marketer of a broad range of specialty access equipment, commercial, fire & emergency and military vehicles and vehicle bodies. Oshkosh Corporation manufactures, distributes and services products under the brands of Oshkosh<sup>®</sup>, JLG<sup>®</sup>, Pierce<sup>®</sup>, McNeilus<sup>®</sup>, Jerr-Dan<sup>®</sup>, Frontline<sup>™</sup>, CON-E-CO<sup>®</sup>, London<sup>®</sup> and IMT<sup>®</sup>. Oshkosh products are valued worldwide in businesses where high quality, superior performance, rugged reliability and long-term value are paramount. For more information, visit [www.oshkoshcorporation.com](http://www.oshkoshcorporation.com).

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### **About AvL Technologies**

AvL Technologies, Inc. specializes in the design, development and production of mobile satellite antenna and positioner systems. With corporate headquarters based in Asheville, North Carolina, and a regional office located in the UK, AvL is able to offer superior service and support to customers around the world.

AvL's visionary approach to mobile satellite antennas and positioners has established the company as a global leader in innovation and reliability. The product line features a full range of lightweight, rapidly-deployable, self-contained antenna and positioner systems. AvL antenna systems enable efficient and cost-effective voice, video and data connectivity to be established quickly without the need for specialized training. AvL is also the largest producer of high-performance, Ka-band ready, solid carbon fiber antennas. AvL's growing carbon fiber product line includes apertures from 60cm to 4.6M that can be configured for case-based or vehicle-mount systems for diverse, worldwide applications.

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