



Antennas, Photonics, & RF Communications



**FOR IMMEDIATE RELEASE**

## **UAV Flights Establish Enhanced Communications Link Performance**

**San Diego, CA – January 26, 2012-** Since last year's launch of Pharad's UAV (Unmanned Aerial Vehicle) antenna product line, Pharad's UAV antennas have rapidly grown popular. Recent UAV flight operations with these Pharad antennas have realized enhanced communications range, improved aerodynamics, ultimately increasing the mission capability and persistence of the UAV system.

A Naval Surface Warfare Center (NSWC) UAV mission package integrated two of Pharad's lightweight UAV blade antennas onto a Scan Eagle UAV and realized a 15 mile link range at a 5000 feet altitude. This significant improvement in link performance was accompanied with improved persistence of the Scan Eagle due to the reduced weight and improved aerodynamics of Pharad's blade radiators compared to other blade solutions.

Pharad President Austin Farnham said, "Pharad prides itself on delivering quality products that exceed the current technology. These recent deployments demonstrate how incorporating Pharad's advanced antenna technology can enhance UAV mission capabilities. We are very happy with the results to date and we hope we can continue to make a difference in this area of technology."

Pharad features three classes of UAV antennas: lightweight blade radiators, low profile antennas, and ultra-thin appliqué antennas all of which can be purchased commercially-off-the-shelf. These state of the art antennas enable increased flight range and increased link performance over traditional airborne antennas.

### **About Pharad, LLC**

*Located in Glen Burnie, Maryland, Pharad, LLC is a customer focused company and technology leader in the development and manufacture of highly efficient, electrically small antennas and RF over fiber systems for communications and defense applications. Pharad creates innovative solutions for realizing difficult-to-engineer antennas for confined operational environments and very broadband applications. Pharad also manufactures a range of high performance RF photonic transceiver products that can support the fiber optic remoting of RF signals up to 40 GHz via a single transceiver module. For additional information, visit [www.pharad.com](http://www.pharad.com)*

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