



Antennas, Photonics, & RF Communications



FOR IMMEDIATE RELEASE

Pharad Expands Peel and Stick Appliqué Antenna Offering for L-, S-, and C-band Operation

Hanover, MD – October 18, 2018 – Pharad has introduced a new Unmanned Air Systems (UAS)/Drone antenna based on its proprietary Peel & Stick Appliqué antenna technology. The design of this new L-, S- and C-band antenna was optimized for Mobile Ad Hoc Networking (MANET) radios operating in both licensed and unlicensed Military, Federal, Broadcast Auxiliary Service (BAS), and Commercial bands. Pharad’s L-, S-, and C-band Peel & Stick Appliqué antenna offers an electromagnetically efficient radiating solution for a variety of applications, including UAV datalinks and covert vehicle communications.

Pharad’s portfolio of Peel & Stick Appliqué antennas provide a high quality radiating solution, while still being nearly as thin as a piece of paper (less than 10 mils thick) and also very lightweight; weighing less than 1 oz. A durable one-time use pressure sensitive adhesive on one side of the radiator allows the Pharad Peel & Stick Appliqué antenna to adhere to the surface. The application process takes only seconds to complete.

“The reduction in size and weight of UASs incorporating MANET radio modules has significantly decreased the space and weight allocation for antennas but has not mitigated the need for high quality radiating solutions,” said Pharad President Austin Farnham. “In fact, UAS system integrators have demanded that the antenna solutions improve the range and persistence of the UAS platform. Extending the mission capabilities of UASs was our design goal in creating this new antenna. Our customers have found that our Appliqué antennas provide high performance radiating solutions while introducing virtually no aerodynamic impairment to the UAS flight profile.”

Pharad’s Peel & Stick Appliqué antennas for mini-UAV and drone applications are proudly made in the USA and operate over the frequency ranges of 30 MHz to 10 GHz. The Appliqué antennas are suitable for non-carbon fiber composite UAVs such as those constructed of fiberglass, Kevlar, or polypropylene; common materials for small UAVs.

About Pharad, LLC

Located in Hanover, 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 RF over fiber products that can support the high performance fiber optic remoting and switching of RF signals.

Contact Information:
Austin Farnham
President
410-590-3333

www.pharad.com