

Boeing CHAMP Missile Completes 1st Flight Test

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Boeing, Air Force Research Laboratory team on nonlethal microwave weapon

ST. LOUIS, Sept. 22, 2011 -- The Boeing Company [NYSE: BA] and the U.S. Air Force Research Laboratory Counter-electronics High-powered Microwave Advanced Missile Project (CHAMP) today announced that they successfully completed the missile's first flight test earlier this year at the Utah Test and Training Range at Hill Air Force Base.

CHAMP is a nonlethal alternative to kinetic weapons that neutralizes electronic targets. It would allow the military to focus on these targets while minimizing or eliminating collateral damage.

The CHAMP missile pointed at a set of simulated targets, confirming that the missile could be controlled and timed while using a High-powered Microwave (HPM) system against multiple targets and locations. The software used was identical to the software required for a vehicle with a fully integrated HPM system on board.

"It was as close to the real thing as we could get for this test," said Keith Coleman, CHAMP program manager for Boeing Phantom Works. "This demonstration, which brings together the Air Force Research Laboratory's directed energy technology and Boeing's missile design, sets the stage for a new breed of nonlethal but highly effective weapon systems."

The three-year, \$38 million joint capability technology demonstration program includes ground and flight demonstrations that focus on technology integration risk reduction and military utility. More tests are scheduled for later this year.

Boeing received the contract in April 2009. As the prime contractor, Boeing provides the airborne platform and serves as the system integrator. Albuquerque, N.M.-based Ktech Corp. -- the primary subcontractor -- supplies the HPM source. Sandia National Laboratories provides the pulse power system under a separate contract with the Air Force Research Laboratory.

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Contact:

Chris Haddox
Boeing Phantom Works
Office: 314-234-6447
Mobile: 314-707-8891
chris.d.haddox@boeing.com
