



*Communication Technologies in the RF Domain*

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# News

***For Immediate***

## **Syntonics HARC Systems Recommended for Fielding**

COLUMBIA, MD. **January 18, 2012** . . . Syntonics LLC, a leading provider of advanced technology RF-over-Fiber products, reports that its High Antennas for Radio Communications (HARC) system, developed for the Joint Tactical Radio System (JTRS) Wideband Network Waveform (WNW), successfully completed a major U.S. Army field exercise in November. HARC-WNW was one of only two systems unconditionally recommended for fielding.

Multiple HARC-WNW systems operated from September-October, 2011 at the White Sands Missile Range. When flown on an aerostat, HARC-WNW significantly increased the number of radios connected to the WNW network, well beyond the number normally possible using conventional ground antennas with their short lines-of-sight.

“HARC is a lightweight system that keeps command post radios secure and convenient on the ground, while locating their antennas on aerostats or tall towers that are already in place,” said Bruce G. Montgomery, President of Syntonics. “HARC solves several problems that occur if you create an ‘Aerial Layer’ radio network by actually flying the radios. Airborne relay radios adds a network hop that reduces data throughput, most military radios present physical security problems, military radios and their accessories are relatively heavy and operating radios remotely can be problematic.”

HARC systems are now available for all tactical communications waveforms currently used by the U.S. Army including the Harris Advanced Networking Wideband Waveform (ANW2), the new JTRS Soldier Radio Waveform (SRW) and WNW.

Syntonics provides advanced RF-over-Fiber systems and innovative RF technologies for military, civil, and industrial markets. FORAX™ (“Fiber Optic Remote Antenna eXtension”) RF-over-Fiber radio communications systems are deployed around the world in 24x7 mission critical operations. HARC RF-over-Fiber radio relay systems for aerostats and tower tops are operating today in Iraq and Afghanistan. Our Handheld Tactical Antennas provide lightweight, rugged, high-gain performance in the field and the body-worn SINCGARS antennas have improve soldier safety. [www.SyntonicsCorp.com](http://www.SyntonicsCorp.com)