



M/A-COM Technology Solutions and Massachusetts Institute of Technology Lincoln Laboratory Develop a 2011 R&D 100 Winner Selected by R&D Magazine

Multifunction Phased Array Radar (MPAR) Panel for Next Generation Air Traffic Control and Weather Surveillance Recognized

Lowell, MA, July 19, 2011 - M/A-COM Technology Solutions (M/A-COM Tech), a leading supplier of high performance semiconductors, announced today that the Multifunction Phased Array Radar (MPAR) Panel has been named as one of R&D Magazines' 2011 R&D 100 Winners. The MPAR Panel has applications in next generation air traffic control and weather surveillance. It was co-developed by M/A-COM Tech and the Massachusetts Institute of Technology Lincoln Laboratory under sponsorship from the Federal Aviation Administration. The MPAR Phased Array Panel is the enabling system building block for an advanced, scalable multifunction radar system offering improved performance and added efficiency in the field of air traffic control and weather radar.

"MPAR is an excellent example of the pioneering work M/A-COM Tech is pursuing that applies commercial manufacturing practices to high performance Government, Aerospace and Defense systems," said Dr. Douglas Carlson, head of M/A-COM Tech's Aerospace and Defense Business Development. "The MPAR Panel represents a new approach to the manufacture of phased array radar having broad applicability across many future systems platforms. We and MIT Lincoln Laboratory are honored to receive this recognition. We believe that the underlying technology represented by the MPAR Panel can enable adoption of affordable phased array systems across many communications and radar applications."

The Multifunction Phased Array Radar, MPAR, was developed as a next generation alternative to the existing civil radar network currently supplying air traffic and weather surveillance. The MPAR system consolidates eight separate radar systems that currently perform four unique missions --Terminal Air Surveillance, En-Route Air Surveillance, Weather Radar, and Terminal Doppler Radar. The MPAR enables increased resolution and faster operation, providing improved data for weather forecasting together with leading air traffic control capability. An MPAR system is constructed of multiple MPAR Panels functioning coherently to radiate and receive pulses of radar energy used to detect, locate and track both aircraft and weather features.

ABOUT M/A-COM TECHNOLOGY SOLUTIONS INC.

M/A-COM Technology Solutions (www.macomtech.com) is a leading supplier of high performance analog semiconductor solutions for use in radio frequency (RF), microwave, and millimeter-wave applications. Recognized for its broad portfolio of products, M/A-COM Tech serves diverse markets including CATV, wireless infrastructure, optical communications, aerospace and defense, automotive, industrial, medical, and mobile devices. M/A-COM Tech builds on more than 60 years of experience designing and manufacturing innovative product solutions for customers worldwide.

Headquartered in Lowell, Massachusetts, M/A-COM Tech is certified to the ISO9001 international quality standard and ISO14001 environmental management standard. M/A-COM Tech has design centers and sales offices throughout North America, Europe, Asia and Australia.

ABOUT MIT LINCOLN LABORATORY

MIT Lincoln Laboratory employs some of the nation's best technical talent to support system and technology development for national security needs. Principal core competencies are sensors, information extraction (signal processing and embedded computing), communications, and integrated sensing and decision support. Nearly all of the Lincoln Laboratory efforts are housed at its campus on Hanscom Air Force Base in Massachusetts.

MIT Lincoln Laboratory is designated a Department of Defense (DoD) Federally Funded Research and Development Center and a DoD Research and Development Laboratory. The Laboratory conducts research and development pertinent to national defense on behalf of the military services, the Office of the Secretary of Defense, the intelligence community, and other

government agencies. Projects undertaken by Lincoln Laboratory focus on the development and prototyping of new technologies and capabilities to meet government needs that cannot be met as effectively by the government's existing in-house or contractor resources. Program activities extend from fundamental investigations through design and field testing of prototype systems using new technologies. A strong emphasis is placed on the transition of systems and technology to the private sector. Lincoln Laboratory has been in existence for 59 years. On its 25th and 50th anniversaries, the Laboratory received the Secretary of Defense Medal for Outstanding Public Service in recognition of its distinguished technical innovation and scientific discoveries.

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