

Press Release

For Immediate Release

MEMtronics receives Missile Defense Agency contract for tunable filter development

PLANO, Texas (18 March 2005)

MEMtronics Corporation today announced it has received a research contract from the U.S. Missile Defense Agency (MDA) entitled "MEMS Tunable Transmit Filters for MKV Applications." This contract is for the first phase of a Small Business Innovation Research project sponsored by the Department of Defense. This program's focus is on developing innovative microelectromechanical systems (MEMS) devices and circuits which uniquely support the requirements for tunable filters in transmit applications.

This six month contract will provide advances in the design of MEMS switches and circuits necessary for constructing MEMS-based tunable filters for use in military transmitter applications. Currently, most MEMS switches are designed for power levels on the order of one or two watts. Improvements in the mechanical and electrical design of these switches will improve the current and voltage handling capability such that tens of watts can be effectively handled. The target application for these switches is agile, electronically-tuned filters. Teamed with MEMtronics on this project is Engineering Tecknowledgegy Applications (ETA), a Fairfax, VA-based engineering consulting firm. ETA will support development of software-defined radio architectures which meet upcoming MDA needs. ETA and MEMtronics will collaborate to flowing down radio requirements and developing circuits which provide new levels of performance. These radio and filter architectures will be used to help prevent co-site interference of multiple transmitters in close proximity. These developments have a broad range of applicability, especially on unmanned air vehicles, where multiple transmitters and receivers are operating simultaneously.

About MEMtronics Corporation

MEMtronics is a privately-held corporation formed in 2001 and located in the Dallas, TX metroplex. Its focus is the commercialization and application of microtechnology to radio frequency (RF) systems. Target applications include both military and commercial communications, imaging, and radar systems in the microwave and millimeter-wave frequency ranges.

About Engineering Tecknowledgegy Applications, LLC

Engineering Tecknowledgegy Applications is a Washington, D.C. area technical and business professional services firm established in 1997 to provide high quality engineering, scientific, and business consulting and contracting services to commercial, corporate, and government customers. ETA provides a wide range of professional services including Commercial and Defense Applications, Systems Engineering Design and Analysis, Hardware/Component/ASIC Development, Advanced Technology R&D and Applications.

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