

Government Project Description

WPI is currently funded under a research grant from the Federal Emergency Management Agency (Department of Homeland Security) with an award from the Assistance to Firefighters Grant program. The Federal grant number is EMW-2008-FP-02051. The work being conducted involves research, design, construction and evaluation of equipment that uses radio-location technology to precisely identify the location of firefighters and firefighter deployed sensors within a building. We anticipate continued research and development of this technology beyond the end of the FEMA grant as part of our ongoing program aimed at creating means for enhanced first responder safety and situation awareness under sponsorship by both the government and industry.

This activity is a continuation of the research currently conducted under our active Experimental license 0175-EX-RR-2008 but would be conducted at additional test sites, restricted to only two of the emission types listed on the original license: designators 96M0AXN and 84M0AXN which involve transmission respectively confined within 512-608 MHz and 614-698 MHz and at increased power levels.