

## **Attachment 1**

### **Form STA Question 5: Description of Research Project**

Datron World Communications, Inc. ("Datron") previously held the experimental license call sign WA2XOK. The project here is similar to those conducted with the prior call sign but of limited duration.

Datron, along with a number of other manufacturers of tactical, professional and public safety radio equipment, has been actively engaged in an ongoing program to develop and enhance both traditional and software defined radios which span the HF, VHF and UHF frequency ranges and which permit the broadband transmission of voice and data in field conditions, including the demanding conditions of military battlefields.. Apart from the now standard simulation and laboratory tests, it is important for us to be able to perform live field tests in order to validate the designs. This in turn will permit us to offer reliable and proven radio-based solutions.

As Datron's radio designs span the HF, VHF and UHF frequency ranges, we are requesting access to a broader range of frequencies than under the previous call sign.. The coverage area remains the same as it permits reliable testing of our all of our products. More specifically, it will support both ground wave and ionospheric path (NVIS) tests for our HF product lines.

Amongst Datron's customers are the FBI, the National Guard, CECOM, the U.S. Army and many other federal and local agencies.