



STAR-H Corporation R&D Division
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FCC Experimental License Request

License is requested for use of Government-assigned HF radio test and training frequencies for development of a new low-profile dual NVIS/low-angle mode antenna system for use on both vehicles and as a quick-setup deployable antenna for temporary stations. Work is being done for the US Army CERDEC RDEC Space and Terrestrial Communications Tactical Radio Branch at Ft. Monmouth, NJ.

Army Contract Number: W15P7T-04.C-K201

Title: "Low-Profile Near Vertical Incidence Skywave (NVIS) High Frequency Antenna"

Period of Performance: 17 November 2003 to 17 November 2005

Army Contact Information:

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Frequencies requested will be used for operational and developmental testing of new HF antenna systems and for comparison testing with existing Army and other HF antennas to support development of rapid deployable HF antennas for military, homeland defense, and civilian applications. Usage of frequencies is expected to be light and on an itinerant basis, based on testing requirements. Testing will include communications range and BER testing, testing of antenna matching coupler equipment, and operation of ALE systems. Stations operated by STAR-H will be located within a 1000km radius of State College, PA, although interoperability testing with other Army and government stations within the continental US is possible if requested by the Army.