

Purpose of the Experiment:

SPAWARSYSCEN Charleston has been tasked by the US Southern Command (US Army) to develop a electrically short antenna that is portable and can be used in the frequency range of 530-1600 khz. This antenna will be part of a Fly Away Broadcast System (FABS) that will be used in countries to provide AM communications to the local population in a defined impact area.

SPAWARSYSCEN Charleston needs access to the 530-1600 khz frequency range in order to develop the antenna and matching system. This access will be needed for the time frame of February 2007 through February 2009. The testing will be as need during the design and building of the system.

Some time has already been spent on the antenna design in El Centro California, with the help of Hatfield and Dawson during the month of June 2006. This experimental license application is a continuation of that design engineering.