

This license application is submitted in support of Department of Homeland Security requested/sponsored testing of the C Speed LightWave Radar as a potential sensor for detecting low flying aircraft and small boats along the US border - in this case, along the southern California coastline. Said testing is scheduled for later this year.

This project is focused on the demonstration of a new radar system that will perform air traffic control for military and civilian applications. It is being conducted to support requirements expressed to us by several United States departments and agencies – including DoD, DHS, and FAA. The objective of this effort is to demonstrate the capabilities of the radar system by emitting and receiving skin returns from non-cooperative airborne and waterborne targets of interest. This cannot be accomplished in a laboratory environment. As such, the field testing is necessary. As this system is not a radio associated with communications, it will not contribute in this area – however, will contribute to national air safety and development as a radar system for legacy upgrade and new installation.