

This renewal is for WF2XRK as the research and development work is still ongoing. R&D now also includes the use of Radar devices for Unmanned Aerial Systems (UAS) detection, Counter Unmanned Aerial systems (CUAS), Autonomous vehicles (ground based) and Surface Unmanned systems (marine and land) identification for the DoD, DHS and Commercial Applications.

Below is the most recent and granted request for use of these frequencies. The requirements and use cases below are still active.

EXHIBIT 1

REQUEST FOR RENEWAL WF2XRK
by
BRAN FERREN CORPORATION

The Bran Ferren Corporation, a privately owned corporation (Bran Ferren President and sole stock holder*), whose core business is expert technical consultation.

Purpose and Nature of the Operation:

Advanced wireless and electro optical, for businesses and Government agencies has become increasingly in demand.

One business area of interest is the need for advanced experimentation for detection of moving targets (ground and air) at short ranges for site security and counter terrorism.

It is desired to continue to be able to operate and evaluate common off the shelf (COTS) radar.

Tests will compare various types of COTS Radar in a specific approved frequency bands to see which would work best in various terrain settings.

The research is expected to yield greater protection for Homeland Security (Border and Force Protection Ground Surveillance Systems), Government facilities, troop security for forward operating bases, advanced Unmanned Aerial Systems (UAV) detection and other similar applications.

With the proliferation of Unmanned vehicles (air, land & marine) both in the Continental United States (CONUS) and Outside the Continental United States (OCONUS) the R&D work related to detection, counter systems and general situation awareness is continuing rise.

Part of the results of this work is intended to provide the US government with additional capabilities by giving them the ability for superior detection and reduced false alarms in support of anti-terrorism purposes thus contributing to the overall national security objectives to safeguard borders, assets and personnel from terrorist activities using COTS devices for advance ISR (Intelligence, Surveillance and Reconnaissance) systems.

State and Federal Government usage:

Testing data and knowledge gained will be shared with many State and Federal agencies as the testing time line proceeds. The information gained and made available will assist them in their own development efforts.

Commercial business usage:

The testing and experimentation would assist others in the research and development industry to develop an integrated approach to advanced low-cost early warning systems for Local, State and Federal agencies in support of antiterrorism activities.

Public Interest Statement:

The approval of this application will serve the public interest by permitting The Bran Ferren Corporation to experiment using existing radar technology with advanced communication, computer devices, along with other integrated sensors in a “mesh” environment that can help in the development of advanced situation awareness for protection of life and assets.

Stop Buzzer:

Bran Ferren Corporation advises that the following person will be available by cellular and office and will act as a “stop buzzer” if any issues regarding interference arise during testing:

Clint Hope (818) 545 1405 Burbank CA

* Mr. Ferren, in addition to being President and sole owner of The Bran Ferren Corporation, is the CCO of Applied Minds, Inc. and serves as a technical consultant for a variety of US Government agencies including; the National Security Agency (science board member), the National Reconnaissance Office (technical advisory board member), The US Army (Army science board member), The Chief of naval Operations Executive Panel, The Senate Select Committee for Intelligence (technical advisory group member), The Federal Communications Commission (member of the technical advisory council), The NIMA (National Imagery and Mapping Agency) Advisory Group, The (STRATCOM) Strategic Command Advisory board, and the Defense Science Board.