

**APPLICATION FOR RENEWAL OF EXPERIMENTAL AUTHORITY
(CALL SIGN WD2XYL)**

LoJack Corporation ("LoJack") herein submits an application for renewal of its existing experimental authority (Call Sign WD2XYL) in order to continue development and testing of the next generation Vehicle Location Unit ("VLU"), the radio device both used by police and implanted within automobiles to communicate a stolen automobile's location when activated. In particular, LoJack has been developing and testing an advanced VLU that will be used in foreign markets, and requests renewal of its experimental authority to develop and test the device at its engineering facilities in the United States.

Under its experimental authority, LoJack has been developing and testing a new generation of VLU, specifically intended to be manufactured and exported to foreign customers for use in LoJack systems abroad. To that end, LoJack sought and was granted Special Temporary Authority ("STA") by the Office of Engineering and Technology ("OET") on May 26, 2005, to begin product development of that VLU and, subsequently, permanent experimental authorization on August 27, 2007.¹

LoJack has continued to have good success with the development of its newest generation VLU and is committing additional resources to its full development for manufacture and export to foreign customers. Accordingly, LoJack herein seeks extension of its permanent authority for an additional twenty-four (24) months in order to continue the development program. The details of the program remain essentially the same as outlined in LoJack's initial application for permanent authority:

- (1) As stated above, LoJack has planned a program of product development and testing of next generation Vehicle Location Unit for international licensees working in a narrowband environment.
- (2) LoJack is seeking authority for the use of the 164.175 MHz frequency. The requested frequency is a center frequency in the band that most of the rest of the world has carved out for Stolen Vehicle Recovery System ("SVRS"), and LoJack requires use of the frequency for testing its devices in that band. LoJack has no intention of migrating to the use of this frequency for use in any active SVRS in the United States.
- (3) The purpose of the temporary license is to test the product in and around the LoJack Engineering facility in Canton, MA. In order to expedite the product development process and realize the gains afforded by the new

¹ Special Temporary Authority issued under File No. 0224-EX-ST-2005; renewed by 0663-EX-ST-2005. Permanent authority issued under File No. 0176-EX-PL-2006.

functionality of the VLU, LoJack has need to conduct this product testing for its international licensees in the USA, where the engineering facilities are located.

- (4) The testing will consist of installing up to 10 product samples in various vehicles, and driving them in the area. The base station will be used to activate, track, and deactivate the VLU under various conditions.
- (5) The anticipated power output of the devices is very low and thus the potential for interference is minimal; however, LoJack also has monitoring equipment both at its facilities and in the mobile vehicles to monitor any potential interference to other users of the frequency.
- (6) LoJack is willing to be licensed on an intermittent, secondary, non-interference causing basis, as needed.

For the foregoing reasons, LoJack respectfully requests that the OET grant its application for renewal of its permanent experimental authority to continue the development and testing of its next generation VLU device before bringing it to market to international users. LoJack reiterates that the testing it intends to conduct on the subject frequency is only for development and testing of technology that will be implemented in the VLU for export. Additionally, given the minimal transmit power of the devices and the monitoring equipment that LoJack is employing, no domestic user of the spectrum will be impacted by the operation of the devices.