

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

CalAmp Wireless Network Corporation (“CalAmp Wireless”) 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”) for LoJack.<sup>1</sup>

CalAmp Wireless has been developing and testing an advanced VLU that will be used in foreign markets specifically intended to be manufactured and exported to foreign customers for use in LoJack systems abroad. CalAmp Wireless requests renewal of its experimental authority to develop and test the device at its engineering facilities in the United States.

CalAmp Wireless continues 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, CalAmp Wireless 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 and 169.20 MHz frequencies. The requested frequencies are 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 CalAmp Wireless engineering facilities in Canton, MA, and Westboro, MA for both frequencies and engineering facilities in Carlsbad, CA and North Mankato, MN using just the 164.175 MHz frequency.
- (4) In order to expedite the product development process and realize the gains afforded by the new functionality of the VLU, CalAmp Wireless has need to conduct this product testing for its international licensees in the USA, where the engineering facilities are located.

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<sup>1</sup> On December 31, 2018, LoJack Corporation (“LoJack”) was merged into CalAmp Wireless, a wholly owned subsidiary of CalAmp Corp. CalAmp Wireless continues to develop and market its stolen vehicle recovery service (“SVRS”) and does so under the LoJack name.

- (5) 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.
- (6) 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.
- (7) LoJack is willing to be licensed on an intermittent, secondary, non-interference causing basis, as needed.

For the foregoing reasons, CalAmp Wireless 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. CalAmp Wireless 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.