

From: Leo Blouin

To: Leann Nguyen

Date: June 11, 2015

Subject: FCC File 0377-EX-PL-2015

---

Message:

1. The purpose of operation in details

The experimentation will consist in technical demonstrations of the R2 radar in various locations in the USA. To conduct demonstrations, the R2 radar will be installed on a tripod at a height ranging from 2 to 6 meters above ground or of an existing building structure. No structure(s) will be built for the purpose of conducting demonstrations under the license being applied for.

The R2 radar is a ground-surveillance radar specifically designed to detect and track personnel and vehicles within a 3 kilometer range. The system operates in the Ka-band for a small form factor. The radar transmits through a fan beam of 1.5 deg by 8.5 deg and uses FMCW for high resolution. The R2 radar utilizes advanced tracking algorithms accurate target location with a low false alarm rate.

2. Justification letter to request to operate around US.

The Experimentation proposed is to demonstrate the R2 radar capabilities to various potential customers located throughout the USA. Demonstrations will typically be conducted for 1 to 3 hours at a time. Frequency of the demonstrations is expected to be in the order of 1 or 2 demonstrations per month.

3. Name and telephone of person who will terminate the system if interference occurs.

Mr. Leo Blouin, Senior Technical Lead

Mobile: +1(514)928-8522