

NextNav LLC
Application for Renewal of Experimental License
FCC Call Sign WF2XLW

July 2016

NextNav LLC (“NextNav”), formerly known as Commlabs, Inc., hereby seeks renewal of its experimental license for an additional 24 months. Renewal of the license will permit NextNav to continue experimentation to improve the performance of its Multilateration Location and Monitoring Service (“M-LMS”).

Background

NextNav, under its previous name, Commlabs, Inc., was granted experimental authority to operate a network of M-LMS transmitters in Santa Clara, San Mateo, Alameda, Marin, and San Francisco Counties to conduct experimental testing of its M-LMS wireless location technology.¹ NextNav has periodically sought modification and renewal of its experimental authorization to facilitate testing and development over wider geographic areas, spectrum bandwidths, and emissions designators.² NextNav seeks to continue this testing, which has continued for a number of years without resulting in harmful interference to other users of the relevant spectrum band.

Renewal and Public Interest Statement

Based on the success of its experimental operations to date, NextNav seeks to continue its testing and development operations. The flexibility permitted by NextNav’s experimental authorization has already contributed to the development of its “Rev-2” indoor location technology, a significant upgrade to the capabilities of NextNav’s first generation M-LMS technology.³ Further experimental operations will continue to refine these techniques as well as exploring approaches to further enhance spectrum sharing with Part 15 devices operating in the same spectrum.

¹ See ELS File No. 0268-EX-PL-2010 (call sign WF2XLW).

² See ELS File Nos. 0096-EX-ML-2011; ELS File No. 0147-EX-ML-2011; ELS File No. 0185-EX-ML-2011; 0251-EX-RR-2014.

³ See NextNav, LLC, Ex Parte Letter, WT Docket No. 07-114 (Aug. 14, 2013).