

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WH2XEB

(Call Sign)

0320-EX-PL-2014

(File Number)

NAME Engility Corporation In Support of NIJ Communications Center of Excellence

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(c) of the Commission's Rules

Station Locations

- (1) MOBILE: District of Columbia, DC. Interior to the building in a laboratory work area, within 0.1 km, centered around NL 38-53-37; WL 77-00-22

Frequency Information

MOBILE: District of Columbia, DC. Interior to the building in a laboratory work area, within 0.1 km, centered around NL 38-53-37; WL 77-00-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
151.61875-151.63125 MHz	FX	12K5F1E 12K5F1E	100 mW (ERP)	
151.94875-151.96125 MHz	FX	12K5F1E	100 mW (ERP)	
462.5625-467.7125 MHz	FX	2K50F3E 2K50F1E	100 mW (ERP)	
769.05-769.0625 MHz	FX	12K5F1E	100 mW (ERP)	

This authorization effective May 19, 2014 and
will expire 3:00 A.M. EST June 01, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
769.05-769.0625 MHz	FX	12K5F3E	100 mW (ERP)	
769.0625-769.075 MHz	FX	12K5F1E 12K5F3E	100 mW (ERP)	
799.05-799.0625 MHz	FX	12K5F1E 12K5F3E	100 mW (ERP)	
799.0625-799.075 MHz	FX	12K5F3E 12K5F1E	100 mW (ERP)	
2412-2484 MHz	FX	17M0D1D 5M00D1D	100 mW (ERP)	
4940-4990 MHz	FX	5M00D1D 5M00D7D 20M0D1D 20M0D7D	200 mW (ERP)	
5150-5250 MHz	FX	5M00D1D 5M00D7D 20M0D1D 20M0D7D	400 mW (ERP)	
5470-5600 MHz	FX	20M0D7D 20M0D1D	400 mW (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5470-5600 MHz	FX	5M00D7D 5M00D1D	400 mW (ERP)	
5650-5725 MHz	FX	20M0D7D 20M0D1D 5M00D7D 5M00D1D	400 mW (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (4) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir @ sbe.org; information, www.sbe.org.
- (5) Any operation in 2450-2483.5 MHz must be coordinated with the existing and future Fixed Microwave Service licensees.
- (6) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government; contract number 2010-IJ-CX-K023. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (7) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Philip Harris at (315) 525-3368.
- (8) Operation must be prior coordinated and approved by 4940-4990 MHz public safety licensees within 50 miles of proposed location.