

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WJ2XGV

(Call Sign)

0022-EX-CN-2018

(File Number)

NAME Charles River Analytics, Inc.

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: Vicinity of Belmont, CA, within 16.1 km, centered around NL 37-29-57; WL 122-17-36
- (2) MOBILE: Charles River Analytics (Cambridge, MA), within 16.1 km, centered around NL 42-22-36; WL 71-08-48
- (3) MOBILE: Point Judith and adjacent areas, within 16.1 km, centered around NL 41-17-42; WL 71-25-18
- (4) MOBILE: Naval Sub Base, Kings Bay, GA; Atlantic Ocean, within 16.1 km, centered around NL 30-46-18; WL 81-22-06
- (5) MOBILE: Naval Sub Base Bangor (Silverdale, WA); Puget Snd, within 16.1 km, centered around NL 47-51-18; WL 122-40-36
- (6) MOBILE: Eglin Air Force Base East; Ft. Walton Beach FL, within 16.1 km, centered around NL 30-36-18; WL 86-20-00
- (7) MOBILE: Eglin Air Force Base West; Ft. Walton Beach FL, within 16.1 km, centered around NL 30-33-42; WL 86-43-24

Frequency Information

MOBILE: Vicinity of Belmont, CA, within 16.1 km, centered around NL 37-29-57; WL 122-17-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500 MHz	MO	210MF1D	1 W (ERP)	

This authorization effective February 12, 2018 and
will expire 3:00 A.M. EST February 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Charles River Analytics (Cambridge, MA), within 16.1 km, centered around NL 42-22-36; WL 71-08-48

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2500 MHz	MO	210MF1D	1 W (ERP)	

MOBILE: Point Judith and adjacent areas, within 16.1 km, centered around NL 41-17-42; WL 71-25-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500 MHz	MO	210MF1D	1 W (ERP)	

MOBILE: Naval Sub Base, Kings Bay, GA; Atlantic Ocean, within 16.1 km, centered around NL 30-46-18; WL 81-22-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500 MHz	MO	210MF1D	1 W (ERP)	

MOBILE: Naval Sub Base Bangor (Silverdale, WA); Puget Snd, within 16.1 km, centered around NL 47-51-18; WL 122-40-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500 MHz	MO	210MF1D	1 W (ERP)	

Frequency Information

MOBILE: Eglin Air Force Base East; Ft. Walton Beach FL, within 16.1 km, centered around NL 30-36-18; WL 86-20-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500 MHz	MO	210MF1D	1 W (ERP)	

MOBILE: Eglin Air Force Base West; Ft. Walton Beach FL, within 16.1 km, centered around NL 30-33-42; WL 86-43-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500 MHz	MO	210MF1D	1 W (ERP)	

Special Conditions:

- (1) Operation requires consent of affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (2) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) 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.
- (5) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (6) The stop buzzer contacts for this project are Wayne Thornton at (781) 492-3131 and Michael Rosati at (617) 794-1435.
- (7) Coordinate with the Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d).
- (8) 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 N00030-17-C-0009. 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.