

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WJ2XZM

(Call Sign)

0037-EX-CN-2019

(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: San Clemente Island, Naval Base Coronado, within 16.1 km, centered around NL 32-54-18; WL 118-29-53
- (2) MOBILE: Joint Base Cape Cod, within 16.1 km, centered around NL 41-41-49; WL 70-32-48
- (3) MOBILE: Quonset Point Air National Guard Station, RI, within 16.1 km, centered around NL 41-35-44; WL 71-24-35
- (4) MOBILE: Aberdeen Proving Ground, MD, within 16.1 km, centered around NL 39-28-11; WL 76-07-59
- (5) MOBILE: Marine Corps. Base Camp Pendleton, CA, within 16.1 km, centered around NL 33-22-43; WL 117-24-45
- (6) MOBILE: Fort Benning, GA, within 16.1 km, centered around NL 32-24-19; WL 84-47-21
- (7) MOBILE: Marine Corps Base Quantico, VA, within 16.1 km, centered around NL 38-31-16; WL 77-19-20

Frequency Information

MOBILE: San Clemente Island, Naval Base Coronado, within 16.1 km, centered around NL 32-54-18; WL 118-29-53

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

This authorization effective March 06, 2019 and
will expire 3:00 A.M. EST March 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Joint Base Cape Cod, within 16.1 km, centered around NL 41-41-49; WL 70-32-48

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

MOBILE: Quonset Point Air National Guard Station, RI, within 16.1 km, centered around NL 41-35-44; WL 71-24-35

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

MOBILE: Aberdeen Proving Ground, MD, within 16.1 km, centered around NL 39-28-11; WL 76-07-59

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

MOBILE: Marine Corps. Base Camp Pendleton, CA, within 16.1 km, centered around NL 33-22-43; WL 117-24-45

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

Frequency Information

MOBILE: Fort Benning, GA, within 16.1 km, centered around NL 32-24-19; WL 84-47-21

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

MOBILE: Marine Corps Base Quantico, VA, within 16.1 km, centered around NL 38-31-16; WL 77-19-20

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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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 local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.
- (5) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (6) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (7) The stop buzzer contacts for this project are Wayne Thornton at (781) 492-3131 and Michael Rosati at (617) 794-1435.
- (8) Coordinate with the Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d).
- (9) 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.
- (10) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.