

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

EXPERIMENTAL

(Nature of Service)

WI2XXL

(Call Sign)

XR FX MO

(Class of Station)

0226-EX-CN-2017

(File Number)

NAME Carnegie Mellon University

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(a d) of the Commission's Rules

Station Locations

- (1) MOBILE: Carnegie Mellon University Main Campus & Vicinity, within 20 km, centered around NL 40-26-36; WL 79-56-36
- (2) Pittsburgh (ALLEGHENY), PA - NL 40-26-36; WL 79-56-36
- (3) MOBILE: Moffett Field & Vicinity, within 65 km, centered around NL 31-24-36; WL 122-03-30
- (4) Mountain View (SANTA CLARA), CA - NL 31-24-36; WL 122-03-30

Frequency Information

MOBILE: Carnegie Mellon University Main Campus & Vicinity, within 20 km, centered around NL 40-26-36; WL 79-56-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
174-216 MHz	MO	10M0M2X	61 mW (ERP)	0.0001 %
512-608 MHz	MO	10M0M2X	61 mW (ERP)	0.0001 %
614-698 MHz	MO	10M0M2X	61 mW (ERP)	0.0001 %

This authorization effective May 22, 2017 and
will expire 3:00 A.M. EST June 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Pittsburgh (ALLEGHENY), PA - NL 40-26-36; WL 79-56-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
174-216 MHz	FX	10M0M2X	2.43 W (ERP)	0.0001 %
512-608 MHz	FX	10M0M2X	2.43 W (ERP)	0.0001 %
614-698 MHz	FX	10M0M2X	2.43 W (ERP)	0.0001 %

MOBILE: Moffett Field & Vicinity, within 65 km, centered around NL 31-24-36; WL 122-03-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
174-216 MHz	MO	10M0M2X	61 mW (ERP)	0.0001 %
512-608 MHz	MO	10M0M2X	61 mW (ERP)	0.0001 %
614-698 MHz	MO	10M0M2X	61 mW (ERP)	0.0001 %

Mountain View (SANTA CLARA), CA - NL 31-24-36; WL 122-03-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
174-216 MHz	FX	10M0M2X	2.43 W (ERP)	0.0001 %

Frequency Information

Mountain View (SANTA CLARA), CA - NL 31-24-36; WL 122-03-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
512-608 MHz	FX	10M0M2X	2.43 W (ERP)	0.0001 %
614-698 MHz	FX	10M0M2X	2.43 W (ERP)	0.0001 %

Special Conditions:

- (1) 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.
- (2) 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.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) All operations must be in accordance with the FCC CFR 47 Part 15, Subpart H.
- (5) All of the experimental devices must be retrieved by Carnegie Mellon University upon completion of this experiment.