

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

EXPERIMENTAL

(Nature of Service)

XC FX

(Class of Station)

WD2XGC

(Call Sign)

0098-EX-CR-2016

(File Number)

NAME University of Massachusetts

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) Amherst (HAMPSHIRE), MA - NL 42-23-51; WL 72-30-40

Frequency Information

Amherst (HAMPSHIRE), MA - NL 42-23-51; WL 72-30-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
910-920 MHz	FX	10M0P0N	800 kW (ERP)	
2900-3100 MHz	FX	60M0F1N	500 kW (ERP)	
9200-10000 MHz	FX	5M00Q1N	1 MW (ERP)	
9380-9440 MHz	FX	2M00P0N	125 MW (ERP)	

This authorization effective December 01, 2016 and
will expire 3:00 A.M. EST June 01, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) Further request to operate in the band 2900-3100 MHz requires prior coordination with FAA Eastern Regional Office, JFK International Airport, NY 11430, Attn: Frequency Management Office; Telephone 718-712-8343.
- (4) Operation is subject to notification of the following within 50 miles of the test area:
 - o Location & Monitoring Service licensees (910-920 MHz)
- (5) 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 numbers: NA160AR4590209 and AGS-1318148. 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.