Stephen Frasier, Dept of Electrical and Computer Engineering, Amherst, MA 01003,

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL	WK9XUK
(Nature of Service)	(Call Sign)
XT FX MO	0009-EX-ST-2017
(Class of Station)	(File Number)

NAME University of Massachusetts

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:
The FMCW radar is used to monitor the atmospheric boundary layer height and to measure vertical velocities of air and precipitation.

Station Locations
(1) Huntsville, AL - NL 34-43-31; WL 86-38-47; MOBILE: Huntsville, AL, within 60 km, centered around NL 34-43-31; WL 86-38-47

Frequency Information

Huntsville, AL - NL 34-43-31; WL 86-38-47; MOBILE: Huntsville, AL, within 60 km, centered around NL 34-43-31; WL 86-38-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2930-2990 MHz	MO	60M0F1N	600 kW (ERP)	

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.

This authorization effective February 27, 2017 and
will expire 3:00 A.M. EST May 08, 2017

FEDERAL COMMUNICATIONS COMMISSION

Special Conditions:

(3) University of Massachusetts should be aware that out of band emissions will not be tolerated.

(4) Without a named Stop Buzzer point of contact, NTIA will utilize Stephen Frasier (413-545-4582) as the Stop Buzzer POC. The Stop Buzzer POC must be available any time testing is being performed.

(5) Due to possible adjacent channel interference to FAA radar in Huntsville, the University of Massachusetts must shift frequency usage upward to approximately 2930-2990 MHz.