

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WH9XXV

(Call Sign)

XT MO

(Class of Station)

0894-EX-ST-2014

(File Number)

NAME The MITRE Corporation

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 data collected from this experiment will support development and refinement of wind turbine effect removal and/or mitigation algorithms.

Station Locations

- (1) MOBILE: Near wind generator farm in Elkton, SD, within 20 km, centered around NL 44-14-20; WL 96-32-48

Frequency Information

MOBILE: Near wind generator farm in Elkton, SD, within 20 km, centered around NL 44-14-20; WL 96-32-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5620-5680 MHz	MO	60M0Q1N	10800 W (ERP)	
5640-5700 MHz	MO	60M0Q1N	10800 W (ERP)	
5660-5720 MHz	MO	60M0Q1N	10800 W (ERP)	

This authorization effective October 16, 2014 and
will expire 3:00 A.M. EST December 16, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Near wind generator farm in Elkton, SD, within 20 km, centered around NL 44-14-20; WL 96-32-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5680-5740 MHz	MO	60M0Q1N	10800 W (ERP)	
5700-5760 MHz	MO	60M0Q1N	10800 W (ERP)	
5720-5780 MHz	MO	60M0Q1N	10800 W (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.
- (3) The Federal Aviation Administration (FAA) concurrence of this frequency application does not represent FAA endorsement of system development for this radar due to its frequency allocation. The 5650-5925 MHz band is limited to military radiolocation services. Therefore, development of an aviation surveillance radar for use within the FAA National Airspace System (NAS) is prohibited. For questions or comments , contact Rod Murphy (202) 267-9501, Thomas Ahn (202) 267-4909.
- (4) Contact Rod Murphy (202) 267-9501 and provide the FAA Program office point of contact that is sponsoring this testing.