

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

EXPERIMENTAL

(Nature of Service)

WE9XKO

(Call Sign)

XD FX MO

(Class of Station)

0290-EX-ST-2010

(File Number)

NAME Sierra Nevada 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:

X-NET Air WiMax transceiver radio devices testing

Station Locations

- (1) Fort Wayne, IN - NL 41-04-30; WL 85-17-23; MOBILE: Base Station - Then the Mobile Station (listed in the next entry) moves around the SNC office for a distance of up to 250 Nmiles., within 460 km, centered around NL 41-04-30; WL 85-17-23
- (2) Fort Wayne, IN - NL 41-08-36; WL 85-09-10; MOBILE: Mobile Station - The Mobile Station moves around the SNC office for a distance of up to 250 Nmiles., within 460 km, centered around NL 41-08-36; WL 85-09-10
- (3) MOBILE: Located on an SNC aircraft flying around the fort Wayne IN area., within 460 km, centered around NL 41-04-30; WL 85-17-23

Frequency Information

Fort Wayne, IN - NL 41-04-30; WL 85-17-23; MOBILE: Base Station - Then the Mobile Station (listed in the next entry) moves:

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2675.05 MHz	FX	10M0X7D	2416 W (ERP)	

This authorization effective June 28, 2010 and
will expire 3:00 A.M. EST December 11, 2010

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Fort Wayne, IN - NL 41-04-30; WL 85-17-23; MOBILE: Base Station - Then the Mobile Station (listed in the next entry) moves

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2685 MHz	FX	10M0X7D	2416 W (ERP)	

Fort Wayne, IN - NL 41-08-36; WL 85-09-10; MOBILE: Mobile Station - The Mobile Station moves around the SNC office for

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2675.05 MHz	FX	10M0X7D	2416 W (ERP)	
2685 MHz	FX	10M0X7D	2416 W (ERP)	

MOBILE: Located on an SNC aircraft flying around the fort Wayne IN area., within 460 km, centered around NL 41-04-30; WL 85-17-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2512.5 MHz	MO	10M0X7D	121 W (ERP)	
2520 MHz	MO	10M0X7D	121 W (ERP)	
2525 MHz	MO	10M0X7D	121 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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.

Special Conditions:

- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Operations are not permitted in the frequencies 2512.5 MHz, 2520 MHz and 2525 MHz due to potential interference to Educational Broadband Service.
- (5) Licensee should get consent from Broadband Radio Service licensees within a radius of at least 500 km prior to performing the tests on the requested frequencies.
- (6) Operation is subject to prior coordination with Mr. Dan Mertely (dmertely@nrao.edu) and Ms. Carla Beaudet (cbeaudet@nrao.edu), to protect operations of the Very Long Baseline Array (VLBA) and the Green Bank Observatory.