

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

EXPERIMENTAL

(Nature of Service)

WC9XGH

(Call Sign)

XD MO

(Class of Station)

0462-EX-ST-2005

(File Number)

NAME Consulting & Engineering Next Generation Networks Inc.

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 purpose of the operation is to conduct proof of concept testing.

Station Locations

- (1) MOBILE: Piedmont, TN and a radius of 250 km from Piedmont, TN, within 250 km, centered around NL 35-16-03; WL 85-51-22

Frequency Information

MOBILE: Piedmont, TN and a radius of 250 km from Piedmont, TN, within 250 km, centered around NL 35-16-03; WL 85-51-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.418-2.4835 GHz	MO	65M5G1D	600 W (ERP)	3.0E-6 %

Special Conditions:

- (1) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir@sbe.org; information, www.sbe.org.
- (2) All operations must be prior coordinated with existing fixed microwave stations in accordance with 47 CFR Part 101.103(d).

This authorization effective August 15, 2005 and
will expire 3:00 A.M. EST February 16, 2006

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) All operations must be prior coordinated with existing land mobile licensees in accordance with 47 CFR Part 90.175.
- (4) Licensee should conduct future testing in bands that will ultimately be used for this system beyond the proof of concept. Licensee is encouraged to work through the appropriate DoD sponsors to identify operating bands and technical parameters.