

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WB2XIC

(Call Sign)

0118-EX-ST-2000

(File Number)

NAME Northrop Grumman 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:

Test, development, and demonstration of mobile robots in hazardous environment.

Station Locations

- (1) MOBILE: near Oak Ridge, within 10 km, centered around NL 36-00-40; WL 84-13-30
- (2) MOBILE: near Lenoir City, within 10 km, centered around NL 35-52-50; WL 84-18-45

Frequency Information

MOBILE: near Oak Ridge, within 10 km, centered around NL 36-00-40; WL 84-13-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
143 MHz	MO	20K0F3E	5 W (ERP)	
150.65 MHz	MO	20K0F1D	5 W (ERP)	
2360-2390 MHz	MO	22M0F9W	5 W (ERP)	
2360-2390 MHz	MO	16M0F3W	5 W (ERP)	

MOBILE: near Lenoir City, within 10 km, centered around NL 35-52-50; WL 84-18-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
143 MHz	MO	20K0F3E	5 W (ERP)	

This authorization effective April 15, 2000 and
will expire 3:00 A.M. EST October 15, 2000

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: near Lenoir City, within 10 km, centered around NL 35-52-50; WL 84-18-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
150.65 MHz	MO	20K0F1D	5 W (ERP)	
2360-2390 MHz	MO	22M0F9W	5 W (ERP)	
2360-2390 MHz	MO	16M5F3W	5 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) The station identification requirements of Section 5.152 of the Commission's Rules are waived.
- (3) 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.