

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

EXPERIMENTAL

(Nature of Service)

WQ9XVC

(Call Sign)

XT MO

(Class of Station)

1133-EX-ST-2020

(File Number)

NAME BAE Systems Information and Electronic Systems Integration 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:

This experiment will involve preliminary testing of a transportable very low frequency (VLF) transmitter system.

Station Locations

- (1) MOBILE: Temporary Fixed Ground Operations Merrimack, NH, within 1 km, centered around NL 42-48-41; WL 71-29-08
- (2) MOBILE: Temporary Fixed Ground Operations Litchfield, NH, within 1 km, centered around NL 42-48-27; WL 71-25-32
- (3) MOBILE: Temporary Fixed Ground Operations Hudson, NH, within 1 km, centered around NL 42-42-17; WL 71-25-46
- (4) MOBILE: Temporary Fixed Ground Operations Ft. Devens, MA, within 2.8 km, centered around NL 42-29-54; WL 71-39-06

Frequency Information

MOBILE: Temporary Fixed Ground Operations Merrimack, NH, within 1 km, centered around NL 42-48-41; WL 71-29-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
25.8-30 kHz	MO	800HF1B 1K00B7D 800HF1D	100 W (ERP)	0.2 %

This authorization effective October 01, 2020 and
will expire 3:00 A.M. EST April 02, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Temporary Fixed Ground Operations Merrimack, NH, within 1 km, centered around NL 42-48-41; WL 71-29-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
25.8-30 kHz	MO	200HK1D 200HK2D	100 W (ERP)	0.2 %
2412-2462 MHz	MO	20M0D1D	1.96 W (ERP)	

MOBILE: Temporary Fixed Ground Operations Litchfield, NH, within 1 km, centered around NL 42-48-27; WL 71-25-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
25.8-30 kHz	MO	800HF1B 1K00B7D 800HF1D	100 W (ERP)	0.2 %
25.8-30 kHz	MO	200HK2D 200HK1D	100 W (ERP)	0.2 %
2412-2462 MHz	MO	20M0D1D	1.96 W (ERP)	

MOBILE: Temporary Fixed Ground Operations Hudson, NH, within 1 km, centered around NL 42-42-17; WL 71-25-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
25.8-30 kHz	MO	800HF1B 1K00B7D 800HF1D	100 W (ERP)	0.2 %

Frequency Information

MOBILE: Temporary Fixed Ground Operations Hudson, NH, within 1 km, centered around NL 42-42-17; WL 71-25-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
25.8-30 kHz	MO	200HK2D 200HK1D	100 W (ERP)	0.2 %
2412-2462 MHz	MO	20M0D1D	1.96 W (ERP)	

MOBILE: Temporary Fixed Ground Operations Ft. Devens, MA, within 2.8 km, centered around NL 42-29-54; WL 71-39-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
25.8-30 kHz	MO	200HK2D 200HK1D	100 W (ERP)	0.2 %
25.8-30 kHz	MO	800HF1B 1K00B7D 800HF1D	100 W (ERP)	0.2 %
2412-2462 MHz	MO	20M0D1D	1.96 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 applicant must coordinate with the local Society of Broadcast Engineer frequency coordinator and the affected Fixed Microwave Service licensees in each proposed area in accordance with 47 C.F.R, Part 101.103(d) prior to operation in 2450-2462 MHz band.

Special Conditions:

- (4) Stop Buzzers, David Herold at 603.718.0726; Greg Nannig at 603.718.0726 and BAE Systems Emergency Services Center at (603) 885.3842.