

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

EXPERIMENTAL

(Nature of Service)

WR9XLR

(Call Sign)

XT MO

(Class of Station)

1945-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:

Testing equipment.

Station Locations

- (1) MOBILE: Temporary Fixed Wallops Island VA, within 5 km, centered around NL 37-51-26; WL 75-27-58
- (2) MOBILE: Temporary Fixed Joint Base Cape Cod, MA, within 5 km, centered around NL 41-39-33; WL 70-31-17
- (3) MOBILE: Temporary Fixed Fort Devens, MA, within 2.8 km, centered around NL 42-29-54; WL 71-39-06
- (4) MOBILE: Offshore Maritime Gulf of Mexico, within 120 km, centered around NL 28-03-00; WL 85-45-00

Frequency Information

MOBILE: Temporary Fixed Wallops Island VA, within 5 km, centered around NL 37-51-26; WL 75-27-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7.4 kHz	MO	200HF1D	500 W (ERP)	0.2 %

This authorization effective March 01, 2021 and
will expire 3:00 A.M. EST July 02, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Temporary Fixed Wallops Island VA, within 5 km, centered around NL 37-51-26; WL 75-27-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.5-10.7 kHz	MO	0H00N0N	2440 W (ERP)	0.2 %
8.9 kHz	MO	200HF1D	700 W (ERP)	0.2 %
10 kHz	MO	800HF1D	1150 W (ERP)	0.2 %
13-15.9 kHz	MO	0H00N0N	7800 W (ERP)	0.2 %
15.5-16.8 kHz	MO	0H00N0N	9700 W (ERP)	0.2 %
18.6 kHz	MO	800HF1D	13.9 kW (ERP)	0.2 %
21.4 kHz	MO	200HF1D	18.4 kW (ERP)	0.2 %
25.4-28.9 kHz	MO	0H00N0N	31.5 kW (ERP)	0.2 %
30 kHz	MO	800HF1D	36.2 kW (ERP)	0.2 %
32 kHz	MO	600HF1D	41.1 kW (ERP)	0.2 %

Frequency Information

MOBILE: Temporary Fixed Joint Base Cape Cod, MA, within 5 km, centered around NL 41-39-33; WL 70-31-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7.4 kHz	MO	200HF1D	500 W (ERP)	0.2 %
8.5-10.7 kHz	MO	0H00N0N	2440 W (ERP)	0.2 %
8.9 kHz	MO	200HF1D	700 W (ERP)	0.2 %
10 kHz	MO	800HF1D	1150 W (ERP)	0.2 %
13-15.9 kHz	MO	0H00N0N	7800 W (ERP)	0.2 %
15.5-16.8 kHz	MO	0H00N0N	9700 W (ERP)	0.2 %
18.6 kHz	MO	800HF1D	13.9 kW (ERP)	0.2 %
21.4 kHz	MO	200HF1D	18.4 kW (ERP)	0.2 %
25.4-28.9 kHz	MO	0H00N0N	31.5 kW (ERP)	0.2 %
30 kHz	MO	800HF1D	36.2 kW (ERP)	0.2 %

Frequency Information

MOBILE: Temporary Fixed Joint Base Cape Cod, MA, within 5 km, centered around NL 41-39-33; WL 70-31-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
32 kHz	MO	600HF1D	41.1 kW (ERP)	0.2 %

MOBILE: Temporary Fixed Fort 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 (+/-)
7.4 kHz	MO	200HF1D	500 W (ERP)	0.2 %
8.5-10.7 kHz	MO	0H00N0N	2440 W (ERP)	0.2 %
8.9 kHz	MO	200HF1D	700 W (ERP)	0.2 %
10 kHz	MO	800HF1D	1150 W (ERP)	0.2 %
13-15.9 kHz	MO	0H00N0N	7800 W (ERP)	0.2 %
15.5-16.8 kHz	MO	0H00N0N	9700 W (ERP)	0.2 %
18.6 kHz	MO	800HF1D	13.9 kW (ERP)	0.2 %
21.4 kHz	MO	200HF1D	18.4 kW (ERP)	0.2 %

Frequency Information

MOBILE: Temporary Fixed Fort 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 (+/-)
25.4-28.9 kHz	MO	0H00N0N	31.5 kW (ERP)	0.2 %
30 kHz	MO	800HF1D	36.2 kW (ERP)	0.2 %
32 kHz	MO	600HF1D	41.1 kW (ERP)	0.2 %

MOBILE: Offshore Maritime Gulf of Mexico, within 120 km, centered around NL 28-03-00; WL 85-45-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7.4 kHz	MO	200HF1D	500 W (ERP)	0.2 %
8.5-10.7 kHz	MO	0H00N0N	2440 W (ERP)	0.2 %
8.9 kHz	MO	200HF1D	700 W (ERP)	0.2 %
10 kHz	MO	800HF1D	1150 W (ERP)	0.2 %
13-15.9 kHz	MO	0H00N0N	7800 W (ERP)	0.2 %
15.5-16.8 kHz	MO	0H00N0N	9700 W (ERP)	0.2 %

Frequency Information

MOBILE: Offshore Maritime Gulf of Mexico, within 120 km, centered around NL 28-03-00; WL 85-45-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
18.6 kHz	MO	800HF1D	13.9 kW (ERP)	0.2 %
21.4 kHz	MO	200HF1D	18.4 kW (ERP)	0.2 %
25.4-28.9 kHz	MO	0H00N0N	31.5 kW (ERP)	0.2 %
30 kHz	MO	800HF1D	36.2 kW (ERP)	0.2 %
32 kHz	MO	600HF1D	41.1 kW (ERP)	0.2 %

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) All operations shall be coordinated with the Wallops Flight Facility Spectrum Manager, Felipe Arroyo at 757-824-1623 or felipe.arroyo-1@nasa.gov, at least 30 days prior to operation.
- (4) Stop buzzers: Christopher VanValkenburgh at (603) 361-7822; David Herold at (603)-718-0726 and BAE Systems Emergency Services Center at (603) 885-3842.
- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by US Navy, contract number N65236-20-C-8015. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.