

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

EXPERIMENTAL

(Nature of Service)

WO9XIK

(Call Sign)

XC MO

(Class of Station)

0534-EX-ST-2019

(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 will be done using program developed antennas and range supplied RF measurement equipment. This testing is required to verify total system performance.

Station Locations

- (1) MOBILE: Temporary Fixed Ground Operations, Litchfield, NH, within 0.03 km, centered around NL 42-48-18; WL 71-25-34

Frequency Information

MOBILE: Temporary Fixed Ground Operations, Litchfield, NH, within 0.03 km, centered around NL 42-48-18; WL 71-25-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
100 MHz	MO	NON	0.007 W (ERP)	
124.575 MHz	MO	NON	0.007 W (ERP)	
140 MHz	MO	NON	0.007 W (ERP)	

This authorization effective July 24, 2019 and
will expire 3:00 A.M. EST October 31, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
145-150.1 MHz	MO	N0N	0.007 W (ERP)	
155 MHz	MO	N0N	0.007 W (ERP)	
160 MHz	MO	N0N	0.007 W (ERP)	
165-170 MHz	MO	N0N	0.007 W (ERP)	
175-225 MHz	MO	N0N	0.007 W (ERP)	
230-235 MHz	MO	N0N	0.007 W (ERP)	
240 MHz	MO	N0N	0.007 W (ERP)	
245-250 MHz	MO	N0N	0.007 W (ERP)	
255.5-260 MHz	MO	N0N	0.007 W (ERP)	
265 MHz	MO	N0N	0.007 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
270 MHz	MO	N0N	0.007 W (ERP)	
275 MHz	MO	N0N	0.007 W (ERP)	
280 MHz	MO	N0N	0.007 W (ERP)	
285 MHz	MO	N0N	0.007 W (ERP)	
290-305 MHz	MO	N0N	0.007 W (ERP)	
310-325 MHz	MO	N0N	0.007 W (ERP)	
330.05 MHz	MO	N0N	0.007 W (ERP)	
335.4 MHz	MO	N0N	0.007 W (ERP)	
340.627852 MHz	MO	N0N	0.007 W (ERP)	
344.338591 MHz	MO	N0N	0.007 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
349.904698 MHz	MO	N0N	0.007 W (ERP)	
355.470805 MHz	MO	N0N	0.007 W (ERP)	
359.181544 MHz	MO	N0N	0.007 W (ERP)	
364.747651 MHz	MO	N0N	0.007 W (ERP)	
370.313758 MHz	MO	N0N	0.007 W (ERP)	
375.879866 MHz	MO	N0N	0.007 W (ERP)	
379.590604 MHz	MO	N0N	0.007 W (ERP)	
385.156711 MHz	MO	N0N	0.007 W (ERP)	
390.722819 MHz	MO	N0N	0.007 W (ERP)	
394.433557 MHz	MO	N0N	0.007 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
400 MHz	MO	N0N	0.007 W (ERP)	
405 MHz	MO	N0N	0.007 W (ERP)	
454.4 MHz	MO	N0N	0.007 W (ERP)	
460-470 MHz	MO	N0N	0.007 W (ERP)	
476.95 MHz	MO	N0N	0.007 W (ERP)	
481.725 MHz	MO	N0N	0.007 W (ERP)	
486.525 MHz	MO	N0N	0.007 W (ERP)	
491.4 MHz	MO	N0N	0.007 W (ERP)	
496.3 MHz	MO	N0N	0.007 W (ERP)	
500 MHz	MO	N0N	0.007 W (ERP)	

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) This authorization SUPERSEDES the previously issued authorization with the same call sign and file number:
- (4) The applicant must obtain consent from the following within 50 miles of the contours of the testing area:
 - AMTS Licensee (217-218 MHz/219-220 MHz)
 - 218-219 MHz Service licensees
 - 220-222 MHz Service licensees
 - Paging Service licensees in 454 MHz/459 MHz
 - General Aviation Air-Ground Service in 454 MHz/459 MHz
- (5) The applicant coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in 160 MHz, 165-170 MHz, 175-225 MHz, 476.95 MHz, and 481.725-500 MHz bands.
- (6) BAE Systems Information and Electronic Systems Integration Inc. may not operate on 109.5 MHz, 115 MHz, 119.725 MHz, 130 MHz, or 134.1 MHz in order to protect Air Traffic operations.
- (7) BAE Systems Information and Electronic Systems Integration Inc. must notch out the following (+/- 12.5 kHz): 165.725 MHz, 166.300 MHz, 166.350 MHz, 166.3625 MHz, 166.375 MHz, 166.750 MHz, 166.775 MHz, 166.875 MHz, 166.950 MHz, 167.075 MHz, 167.950 MHz, 168.5625 MHz, 168.6125 MHz, 169.3625 MHz, 169.400 MHz, 169.550 MHz, 169.7125 MHz, 169.725 MHz, 465.2875 MHz.
- (8) This authorization is issued for the express purpose of conducting experimental operations described in the related application or required by US Air Force, FA8650-17-C-8578. 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.
- (9) Operation is NOT PERMITTED using the frequency 138 MHz and 400.15-401 MHz.
- (10) Stop Buzzers, David Jillson (603) 484-1024 and BAE Systems Emergency Services Center (603) 885-3842.