

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

EXPERIMENTAL

(Nature of Service)

WH9XKJ

(Call Sign)

XT MO

(Class of Station)

0047-EX-ST-2014

(File Number)

NAME BAE Systems Land & Armaments L.P.

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:

To conduct limited testing of an experimental transmitter to characterize its performance and investigate its effectiveness against a target of interest to the U.S. Army.

Station Locations

- (1) MOBILE: Temporary Fixed Ground Operations, Fridley, MN, within 0.05 km, centered around NL 45-03-16; WL 93-16-34

Frequency Information

MOBILE: Temporary Fixed Ground Operations, Fridley, MN, within 0.05 km, centered around NL 45-03-16; WL 93-16-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
128.825-132 MHz	MO	NON	40 MW (ERP)	5 %
758-769 MHz	MO	NON	40 MW (ERP)	5 %
788-799 MHz	MO	NON	40 MW (ERP)	5 %

This authorization effective July 11, 2014 and
will expire 3:00 A.M. EST September 11, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



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) Operation is subject to prior coordination with the local Society Broadcast Engineer frequency coordinator as set forth in Section 74.604 to protect the Broadcast Auxiliary Service operations.
- (4) Operation is subject to prior coordination with the existing and future Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d)
- (5) The test shall immediately cease if such operations cause harmful radio interference to the other authorized users.
- (6) Operation will be confined to fixed, exclusively indoor operations, at BAE Systems 'campus at Fridley, MN. Transmissions will involve the use of a single fixed antenna, which will be located only within a .05 km radius around the center point coordinates specified in the STA Request. There will be no portable or mobile units involved in-the experiment.
- (7) Operation will begin when the Commission grants the requested Experimental STA and will continue for no longer than September 10, 2014. The Experimental STA cannot be renewed. To the extent that BAE Systems would like to obtain additional Experimental STA use of the radio frequencies licensed to FirstNet, beyond the 180 day period to which this application refers, BAE Systems must file a separate request with the FCC. BAE Systems understands that an experimental Special Temporary Authority or license only permits shared use of the subject radio frequencies and that it may have to coordinate with other entities licensed for experimental purposes.
- (8) This temporary operation will not be used in mission-critical operations or in the delivery of live transmissions in duties to protect life, property or safety. These operations will be limited within an extremely limited area, and will involve only fixed, ground-based operations in a completely indoor environment, on BAE Systems' campus location within a .05 km radius of the center point coordinates specified in the STA Request.
- (9) Stop Buzzers, point-of-contact in case of interference issues: Luis Hernandez, 612-247-3566, and James Anderson, 612-437-6101.
- (10) All experimental operations by BAE Systems will be secondary, meaning that they must not cause interference to narrowband or broadband operations authorized on a primary basis, including in the spectrum licensed to FirstNet. Narrowband or broadband operations authorized on a primary basis, including in the spectrum licensed to FirstNet, have no obligation to mitigate any interference that such primary operations may present to the BAE Systems experimental operations. BAE Systems understands that if, during the term of the STA, FirstNet or its assigns or lessees, plans to deploy in this area, BAE Systems may have to reduce the coverage or power levels of its experimental transmissions or cease them entirely.
- (11) Operation is only permitted using the frequency band 128.825-132 MHz, 758-769 MHz and 788-799 MHz.