

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WI2XTD

(Call Sign)

0130-EX-CM-2017

(File Number)

NAME BAE Systems Information and Electronic Systems Integration Inc.

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(h) of the Commission's Rules

Station Locations

- (1) MOBILE: Temporary Fixed Ground Operations, Merrimack NH, within 0.5 km, centered around NL 42-48-39; WL 71-29-18
- (2) MOBILE: Temporary Fixed Ground Operations Redstone Arsenal, Madison, AL, within 3.5 km, centered around NL 34-36-25; WL 86-40-23

Frequency Information

MOBILE: Temporary Fixed Ground Operations, Merrimack NH, within 0.5 km, centered around NL 42-48-39; WL 71-29-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24-24.05 GHz	MO	N0N 0M50F3N	629 W (ERP)	
24.05-24.25 GHz	MO	N0N 1M00F3N	629 W (ERP)	
24.399-24.401 GHz	MO	N0N 1M00F3N	629 W (ERP)	

This authorization effective July 18, 2017 and
will expire 3:00 A.M. EST June 01, 2019

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COMMISSION**



Frequency Information

MOBILE: Temporary Fixed Ground Operations, Merrimack NH, within 0.5 km, centered around NL 42-48-39; WL 71-29-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.65-24.7 GHz	MO	N0N 1M00F3N	629 W (ERP)	

MOBILE: Temporary Fixed Ground Operations Redstone Arsenal, Madison, AL, within 3.5 km, centered around NL 34-36-25; WL 86-40-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24-24.05 GHz	MO	N0N 0M50F3N	629 W (ERP)	
24.05-24.25 GHz	MO	N0N 1M00F3N	629 W (ERP)	
24.399-24.401 GHz	MO	N0N 1M00F3N	629 W (ERP)	
24.65-24.7 GHz	MO	N0N 1M00F3N	629 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) BAE Systems Information and Electronic Systems Integration Inc. must not operate between 24.7995-24.8005 GHz.

Special Conditions:

- (4) The licensee must coordinate with the Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d) prior to operation in 24.3995-24.4005 GHz band.
- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by US Army, contract number W56KGU-15-C-0067. 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 contact designated in the related application and enumerated above.
- (6) Stop buzzer, Eric Rundquist 603-809-8960 and Jake Freedman 603-867-1028.
- (7) Upon notification from the FCC, operation on this assignment is subject to immediate cessation, if it causes harmful interference to federal operations.