

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

EXPERIMENTAL

(Nature of Service)

WJ2XTI

(Call Sign)

XT MO

(Class of Station)

0758-EX-CN-2018

(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

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 (+/-)
24.4675-24.5125 GHz	MO	45M0F3N	251 W (ERP)	
24.5275-24.5725 GHz	MO	45M0F3N	251 W (ERP)	
24.5875-24.6325 GHz	MO	45M0F3N	251 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.

This authorization effective November 21, 2018 and
will expire 3:00 A.M. EST December 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (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 should be aware that because the requested band is being used for UAS Detect and Avoid (DAA) radar, regulations and mitigates for compatibility will need to be established for further development.
- (4) Operation is subject to prior coordination with FAA.
- (5) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (6) The stop buzzer contact for this project Bruce Partin, (603) 885-1020 and Eric Rundquist, (603) 809-8960.
- (7) The authorized station must be in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules.
- (8) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (9) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (10) Operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference and notify the FCC in writing.