

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WJ2XTF

(Call Sign)

0427-EX-CR-2020

(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 (+/-)
24-24.05 GHz	MO	N0N 1M00F3N	12619 W (ERP)	
24.05-24.25 GHz	MO	N0N 1M00F3N	12619 W (ERP)	
24.399-24.401 GHz	MO	N0N 1M00F3N	12619 W (ERP)	

This authorization effective October 01, 2020 and
will expire 3:00 A.M. EST October 01, 2022

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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 (+/-)
24.45-24.65 GHz	MO	1M00F3N	12619 W (ERP)	
24.65-24.75 GHz	MO	1M00F3N 1M00P0N	12619 W (ERP)	
24.75-25.05 GHz	MO	N0N 1M00F3N	12619 W (ERP)	

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) The applicant must coordinate with the Fixed Microwave Service licensees in accordance with 47 CFR. Part 101.103 (d).
- (4) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (5) Licensee must provide written notice to Audacy Corporation (ralph.ewing@audacy.space) of licensee's proposed operations in the 24.65-24.7 GHz frequency band prior to commencing operations in this band.
- (6) The stop buzzer contact for this project is Austin Dionne 603-540-1620 and Jacob Freedman 603-867-1028..
- (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.

Special Conditions:

- (11) Operation the frequency band 24.45- 24.75 GHz is not permitted using the emission designator "NON".