

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

EXPERIMENTAL

(Nature of Service)

WJ2XPW

(Call Sign)

XT MO

(Class of Station)

0363-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
- (2) MOBILE: Temporary Fixed Ground Operations Redstone Arsenal, within 3.5 km, centered around NL 34-36-25; WL 86-40-23
- (3) MOBILE: Temporary Fixed Ground Operations, Austin, TX, within 0.5 km, centered around NL 30-16-44; WL 97-39-33
- (4) MOBILE: Temporary Fixed Ground Operations Harford MD, within 0.5 km, centered around NL 39-20-47; WL 76-15-42
- (5) MOBILE: Temporary Fixed Ground Operations Harford MD, within 0.5 km, centered around NL 39-22-01; WL 76-14-30
- (6) MOBILE: Temporary Fixed Ground Operations Harford MD, within 0.5 km, centered around NL 39-26-54; WL 76-08-22

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 2M00F3N	2518 W (ERP)	

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

**FEDERAL
COMMUNICATIONS
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 (+/-)
24.05-24.25 GHz	MO	N0N 1M00F3N 2M00F3N	2518 W (ERP)	
24.399-24.40199 GHz	MO	N0N 1M00F3N 2M00F3N	2518 W (ERP)	
24.452 GHz	MO	N0N 2M00F3N	2518 W (ERP)	
24.551 GHz	MO	N0N 2M00F3N	2518 W (ERP)	
24.647-24.659 GHz	MO	N0N 2M00F3N	2618 W (ERP)	
24.65-24.7 GHz	MO	N0N 1M00F3N 2M00F3N	2518 W (ERP)	

MOBILE: Temporary Fixed Ground Operations Redstone Arsenal, 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	2518 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed Ground Operations Redstone Arsenal, 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	0M50F3N 2M00F3N	2518 W (ERP)	
24.05-24.25 GHz	MO	N0N 1M00F3N 2M00F3N	2518 W (ERP)	
24.399-24.40199 GHz	MO	N0N 1M00F3N 2M00F3N	2518 W (ERP)	
24.452 GHz	MO	N0N 2M00F3N	2518 W (ERP)	
24.551 GHz	MO	N0N 2M00F3N	2518 W (ERP)	
24.647-24.659 GHz	MO	N0N 2M00F3N	2518 W (ERP)	
24.65-24.7 GHz	MO	N0N 1M00F3N 2M00F3N	2518 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed Ground Operations, Austin, TX, within 0.5 km, centered around NL 30-16-44; WL 97-39-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24-24.05 GHz	MO	N0N 0M50F3N 2M00F3N	2518 W (ERP)	
24.05-24.25 GHz	MO	N0N 1M00F3N 2M00F3N	2518 W (ERP)	
24.399-24.40199 GHz	MO	N0N 1M00F3N 2M00F3N	2518 W (ERP)	
24.452 GHz	MO	N0N 2M00F3N	2518 W (ERP)	
24.551 GHz	MO	N0N 2M00F3N	2518 W (ERP)	
24.647-24.659 GHz	MO	N0N 2M00F3N	2518 W (ERP)	
24.65-24.7 GHz	MO	N0N 1M00F3N 2M00F3N	2518 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed Ground Operations Harford MD, within 0.5 km, centered around NL 39-20-47; WL 76-15-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24-24.05 GHz	MO	N0N 0M50F3N 2M00F3N	2518 W (ERP)	
24.05-24.25 GHz	MO	N0N 1M00F3N 2M00F3N	2518 W (ERP)	
24.399-24.40199 GHz	MO	N0N 1M00F3N 2M00F3N	2518 W (ERP)	
24.452 GHz	MO	N0N 2M00F3N	2518 W (ERP)	
24.551 GHz	MO	N0N 2M00F3N	2518 W (ERP)	
24.647-24.659 GHz	MO	N0N 2M00F3N	2518 W (ERP)	
24.65-24.7 GHz	MO	N0N 1M00F3N 2M00F3N	2518 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed Ground Operations Harford MD, within 0.5 km, centered around NL 39-22-01; WL 76-14-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24-24.05 GHz	MO	N0N 0M50F3N 2M00F3N	2518 W (ERP)	
24.05-24.25 GHz	MO	N0N 1M00F3N 2M00F3N	2518 W (ERP)	
24.399-24.40199 GHz	MO	N0N 1M00F3N 2M00F3N	2518 W (ERP)	
24.452 GHz	MO	N0N 2M00F3N	2518 W (ERP)	
24.551 GHz	MO	N0N 2M00F3N	2518 W (ERP)	
24.647-24.659 GHz	MO	N0N 2M00F3N	2518 W (ERP)	
24.65-24.7 GHz	MO	N0N 1M00F3N 2M00F3N	2518 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed Ground Operations Harford MD, within 0.5 km, centered around NL 39-26-54; WL 76-08-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24-24.05 GHz	MO	N0N 0M50F3N 2M00F3N	2518 W (ERP)	
24.05-24.25 GHz	MO	N0N 1M00F3N 2M00F3N	2518 W (ERP)	
24.399-24.40199 GHz	MO	N0N 1M00F3N 2M00F3N	2518 W (ERP)	
24.452 GHz	MO	N0N 2M00F3N	2518 W (ERP)	
24.551 GHz	MO	N0N 2M00F3N	2518 W (ERP)	
24.647-24.659 GHz	MO	N0N 2M00F3N	2518 W (ERP)	
24.65-24.7 GHz	MO	N0N 1M00F3N 2M00F3N	2518 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) Operation is subject to prior coordination with the Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d).
- (4) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (5) 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.
- (6) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (7) Experimental station shall use the minimum power level necessary to close the communications link to minimize potential interference to licensed users.
- (8) The stop buzzers contact for this project: Austin Dionne at 603-540-1620; Jacob Freedman at 603-867-1028 and Joseph Mc Gaughey at 512-929-2725.
- (9) 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.
- (10) No automatic renewal for this authorization.