

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

EXPERIMENTAL

(Nature of Service)

WL2XON

(Call Sign)

XT MO

(Class of Station)

0183-EX-CN-2021

(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 Vandalia Airport, within 2 km, centered around NL 38-59-16; WL 89-09-55
- (2) MOBILE: Airborne Operations St. Charles, MO, within 28 km, centered around NL 38-55-34; WL 90-25-23
- (3) MOBILE: Airborne Operations Valmeyer, IL, within 28 km, centered around NL 38-18-09; WL 90-18-32
- (4) MOBILE: Airborne Operations, Bear Grove, IL, within 28 km, centered around NL 38-59-16; WL 89-09-55
- (5) MOBILE: Temporary Fixed Ground Operations Galveston, TX, within 2 km, centered around NL 29-16-05; WL 94-51-21
- (6) MOBILE: Airborne Operations, Galveston, TX, within 48 km, centered around NL 29-16-05; WL 94-51-21
- (7) MOBILE: Airborne Operations, Freeport, TX, within 48 km, centered around NL 28-56-09; WL 95-17-49
- (8) MOBILE: Airborne Operations, Sea Rim State Park, TX, within 48 km, centered around NL 29-40-36; WL 94-02-40

Frequency Information

MOBILE: Temporary Fixed Ground Operations Vandalia Airport, within 2 km, centered around NL 38-59-16; WL 89-09-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.3-17.2 GHz	MO	84M6Q3N 396MQ3N	3.8 kW (ERP)	0.0001 %

This authorization effective March 18, 2021 and
will expire 3:00 A.M. EST April 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Temporary Fixed Ground Operations Vandalia Airport, within 2 km, centered around NL 38-59-16; WL 89-09-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.3-17.2 GHz	MO	95M4Q1N 795MQ1N 95M4P0N 795MP0N	3.8 kW (ERP)	0.0001 %

MOBILE: Airborne Operations St. Charles, MO, within 28 km, centered around NL 38-55-34; WL 90-25-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.3-17.2 GHz	MO	84M6Q3N 396MQ3N 95M4Q1N 795MQ1N 95M4P0N 795MP0N	3.8 kW (ERP)	0.0001 %

MOBILE: Airborne Operations Valmeyer, IL, within 28 km, centered around NL 38-18-09; WL 90-18-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.3-17.2 GHz	MO	84M6Q3N 396MQ3N 95M4Q1N 795MQ1N 95M4P0N 795MP0N	3.8 kW (ERP)	0.0001 %

Frequency Information

MOBILE: Airborne Operations, Bear Grove, IL, within 28 km, centered around NL 38-59-16; WL 89-09-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.3-17.2 GHz	MO	84M6Q3N 396MQ3N 95M4Q1N 795MQ1N 95M4P0N 795MP0N	3.8 kW (ERP)	0.0001 %

MOBILE: Temporary Fixed Ground Operations Galveston, TX, within 2 km, centered around NL 29-16-05; WL 94-51-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.3-17.2 GHz	MO	84M6Q3N 396MQ3N 95M4Q1N 795MQ1N 95M4P0N 795MP0N	3.8 kW (ERP)	0.0001 %

MOBILE: Airborne Operations, Galveston, TX, within 48 km, centered around NL 29-16-05; WL 94-51-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.3-17.2 GHz	MO	84M6Q3N 396MQ3N 95M4Q1N 795MQ1N 95M4P0N 795MP0N	3.8 kW (ERP)	0.0001 %

Frequency Information

MOBILE: Airborne Operations, Freeport, TX, within 48 km, centered around NL 28-56-09; WL 95-17-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.3-17.2 GHz	MO	84M6Q3N 396MQ3N 95M4Q1N 795MQ1N 95M4P0N 795MP0N	3.8 kW (ERP)	0.0001 %

MOBILE: Airborne Operations, Sea Rim State Park, TX, within 48 km, centered around NL 29-40-36; WL 94-02-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.3-17.2 GHz	MO	84M6Q3N 396MQ3N 95M4Q1N 795MQ1N 95M4P0N 795MP0N	3.8 kW (ERP)	0.0001 %

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 station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) If at any point during the testing that interference is received, BAE company is to shut down operations at the direction of the Air Force.
- (5) Stop buzzers, Eduardo Martnony at 603-305-4284 and Ray Patel at 817-401-0310.