

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WQ9XWU

(Call Sign)

XT MO

(Class of Station)

1075-EX-ST-2020

(File Number)

NAME BAE Systems Information and Electronic Systems Integration Inc.

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

To perform developmental/prototype testing on a new radar.

Station Locations

- (1) MOBILE: Temporary Fixed Ground Operations Vandalia Airport, Bear Grove, IL, 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

This authorization effective October 15, 2020 and
will expire 3:00 A.M. EST March 16, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Temporary Fixed Ground Operations Vandalia Airport, Bear Grove, IL, 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 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) 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) Stop buzzers, Todd Beard at 603-508-8234 and Jason Stockwell at 603-459-4458