

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

EXPERIMENTAL

(Nature of Service)

WI2XGL

(Call Sign)

XC MO

(Class of Station)

0851-EX-ST-2017

(File Number)

NAME Systems & Technology Research

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:

Checkout testing of a prototype radar system.

Station Locations

- (1) MOBILE: Haverhill, MA: max altitude 10,000 ft. AGL, within 40 km, centered around NL 42-46-34; WL 71-04-45
- (2) MOBILE: Grayson County: max altitude 10,000 ft. AGL, within 40 km, centered around NL 33-42-41; WL 96-40-18
- (3) MOBILE: Ypsilanti, MI: max altitude 10,000 ft. AGL, within 40 km, centered around NL 42-14-15; WL 83-31-39
- (4) MOBILE: Valhermoso Springs, AL: max altitude 10,000 ft. AGL, within 40 km, centered around NL 34-36-40; WL 86-40-25

Frequency Information

MOBILE: Haverhill, MA: max altitude 10,000 ft. AGL, within 40 km, centered around NL 42-46-34; WL 71-04-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.5-8.9 GHz	MO	400MQ3N	1.55 MW (ERP)	0.1 %

This authorization effective August 14, 2017 and
will expire 3:00 A.M. EST February 14, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Haverhill, MA: max altitude 10,000 ft. AGL, within 40 km, centered around NL 42-46-34; WL 71-04-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.3-9.9 GHz	MO	600MQ3N	1.55 MW (ERP)	0.1 %

MOBILE: Grayson County: max altitude 10,000 ft. AGL, within 40 km, centered around NL 33-42-41; WL 96-40-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.5-8.9 MHz	MO	400MQ3N	1.55 MW (ERP)	0.1 %
9.3-9.9 GHz	MO	600MQ3N	1.55 MW (ERP)	0.1 %

MOBILE: Ypsilanti, MI: max altitude 10,000 ft. AGL, within 40 km, centered around NL 42-14-15; WL 83-31-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.5-8.9 GHz	MO	400MQ3N	1.55 MW (ERP)	0.1 %
9.3-9.9 GHz	MO	600MQ3N	1.55 MW (ERP)	0.1 %

MOBILE: Valhermoso Springs, AL: max altitude 10,000 ft. AGL, within 40 km, centered around NL 34-36-40; WL 86-40-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.5-8.9 GHz	MO	400MQ3N	1.55 MW (ERP)	0.1 %

Frequency Information

MOBILE: Valhermoso Springs, AL: max altitude 10,000 ft. AGL, within 40 km, centered around NL 34-36-40; WL 86-40-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.3-9.9 GHz	MO	600MQ3N	1.55 MW (ERP)	0.1 %

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) Systems & Technology Research must notch out 8100 - 8500 MHz in order to protect ongoing operations.