

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

EXPERIMENTAL

(Nature of Service)

WS9XDH

(Call Sign)

XT MO

(Class of Station)

0650-EX-ST-2021

(File Number)

NAME Systems & Technologies 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:

Testing low-cost radar threat emulators.

Station Locations

(1) MOBILE: Windham, ME, within 1 km, centered around NL 43-44-18; WL 70-25-27

Frequency Information

MOBILE: Windham, ME, within 1 km, centered around NL 43-44-18; WL 70-25-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.25-3.262 GHz	MO	12M0P0N 12M0Q0N 12M0M3N	282 kW (ERP)	5.0E-6 %
4.75-4.762 GHz	MO	12M0P0N 12M0Q0N 12M0M3N	282 kW (ERP)	5.0E-6 %

This authorization effective June 01, 2021 and
will expire 3:00 A.M. EST December 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Windham, ME, within 1 km, centered around NL 43-44-18; WL 70-25-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.9-5.912 GHz	MO	12M0P0N 12M0Q0N 12M0M3N	282 kW (ERP)	5.0E-6 %
8.7-8.712 GHz	MO	12M0Q0N 12M0P0N 12M0M3N	955 kW (ERP)	5.0E-6 %
9.5-9.512 GHz	MO	12M0Q0N 12M0P0N 12M0M3N	955 kW (ERP)	5.0E-6 %
10.9-10.912 GHz	MO	12M0Q0N 12M0P0N 12M0M3N	955 kW (ERP)	5.0E-6 %

Special Conditions:

- (1) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (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) NTIA notes that the band 5850-5925 MHz, IAW NG 160, the use of the non-Federal mobile service is limited to Dedicated Short Range Communications operating in the Intelligent Transportation System radio service.
- (4) For the band 9.5GHz to 9.512 GHz, coordinate with the Haystack Observatory Operations Center at the start of each testing period by telephone to (781) 981-5819 (commercial) and provide a Real Time Stop Buzzer POC for the duration of Grantee testing. Grantee must cease operation if any interference is detected by the Haystack Observatory during any Haystack Operational Mission Tasked Event if requested by Haystack Observatory.