

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

EXPERIMENTAL

(Nature of Service)

WS9XMB

(Call Sign)

XT MO

(Class of Station)

1087-EX-ST-2021

(File Number)

NAME Wavesense

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:

WaveSense will operate its vehicles equipped with GPR to collect measurements in public roads and associated areas such as parking lots.

Station Locations

(1) MOBILE: Porter, ME, within 282 km, centered around NL 43-51-37; WL 70-57-52

Frequency Information

MOBILE: Porter, ME, within 282 km, centered around NL 43-51-37; WL 70-57-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
137-328.6 MHz	MO	NON	1600 uW (ERP)	0.0001 %
335.4-400 MHz	MO	NON	1600 uW (ERP)	0.0001 %
400-960 MHz	MO	NON	1600 uW (ERP)	0.0001 %

This authorization effective July 31, 2021 and
will expire 3:00 A.M. EST January 27, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (2) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at <http://sbe.org/wp-content/uploads/freqcoor.pdf> to find the appropriate coordinator.
- (3) NTIA non-concurs with the following bands: 225 - 328.6 MHz, 335.4 - 399.9 MHz, 406 - 410 MHz, 608 - 614 MHz.
- (4) NTIA non-concurs with the following frequencies: 121.5 MHz, 156.525 MHz, 156.8 MHz, 161.975 MHz, 162.025 MHz.
- (5) If Wavesense radiates within 10km of Hanscom AFB MA, prior coordination with the Hanscom Installation Spectrum Management Office shall occur each morning prior to any radiation occurring under this STA. Hanscom ISM can be contacted at 781-225-6020/2628 or via email at 66ABG.Hanscom.Spectrum@us.af.mil.
- (6) Wavesense shall coordinate with the Upper Microwave Flexible Use Service licensees in the proposed area prior to accessing to the frequencies from 614 MHz to 698 MHz.
- (7) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 20 miles of the contours of the testing area:
 - 700 MHz Lower Band licensees (698-746 MHz)
 - 700 MHz Upper Band licensees (746-758 MHz, 775-788 MHz and 805-806 MHz)
 - SMR/ESMR licensees (809-824 MHz/854-869 MHz)
 - B/ILT licensees (809-824 MHz/854-869 MHz)
 - Cellular licensees (824-849 MHz/869-894 MHz)
 - Commercial Air-Ground licensee (849-851 MHz/894-896 MHz)
 - SMR licensees (896-901 MHz/935-940 MHz)
 - B/ILT licensees (896-901 MHz/935-940 MHz)
 - Narrowband PCS licensees (901-902/930-931/940-941 MHz)
 - Location & Monitoring Service licensees (902-928 MHz)
 - Paging Service licensees in 929 MHz and 931 MHz