

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

EXPERIMENTAL

(Nature of Service)

WL9XZI

(Call Sign)

XT MO

(Class of Station)

1488-EX-ST-2017

(File Number)

NAME Sonitus Technologies

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:

Test and evaluation of low power personal wireless comms system.

Station Locations

- (1) MOBILE: USASOC Underwater Operations School, Key West, FL, within 5 km, centered around NL 24-35-34; WL 81-47-48

Frequency Information

MOBILE: USASOC Underwater Operations School, Key West, FL, within 5 km, centered around NL 24-35-34; WL 81-47-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.3-10.8 MHz	MO	90K0F1D	6.2 mW (ERP)	1 %
50-100 MHz	MO	12K5F3A	192 mW (ERP)	0.5 %
130-180 MHz	MO	12K5F3A	192 mW (ERP)	0.5 %

This authorization effective November 13, 2017 and
will expire 3:00 A.M. EST November 18, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: USASOC Underwater Operations School, Key West, FL, within 5 km, centered around NL 24-35-34; WL 81-47-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
130-180 MHz	MO	12K5A3A	192 mW (ERP)	0.5 %
250-300 MHz	MO	12K5F3A 12K5A3A	192 mW (ERP)	0.5 %
300-400 MHz	MO	12K5F3A 12K5A3A	192 mW (ERP)	0.5 %
400-500 MHz	MO	12K5F3A 12K5A3A	192 mW (ERP)	0.5 %

Special Conditions:

- (1) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (2) Sonitus must notch out/not operate on the following frequency bands:
73 - 75.4 MHz
328.6 - 335.4 MHz
400.15 - 406 MHz
- (3) Sonitus must notch out/not operate on the following frequencies (+/- 1.4 kHz)
10540 kHz

Special Conditions:

- (4) Sonitus must notch out/not operate on the following frequencies (+/- 12.5 kHz):
- 156.8000 MHz
 - 156.6000 MHz
 - 157.0500 MHz
 - 157.0750 MHz
 - 157.1000 MHz
 - 157.1500 MHz
 - 157.1750 MHz
 - 156.3000 MHz
 - 156.5250 MHz
 - 161.9750 MHz
 - 162.0250 MHz
 - 162.3250 MHz
 - 162.4000 MHz
 - 163.0500 MHz
 - 165.3125 MHz
 - 166.0750 MHz
 - 166.4625 MHz
 - 166.8500 MHz
 - 410.9500 MHz
 - 412.9750 MHz
 - 413.0000 MHz
 - 413.0250 MHz
 - 414.6625 MHz
- (5) Sonitus must provide a stop buzzer to Townsend, Darren CIV NMSC, OPS darren.townsend@navy.mil and Bryan Wright Dept. of Interior bryan_wright@ios.doi.gov
- (6) Prior to operations in the 137-138 MHz, 148-150.05 MHz, 161-163 MHz, and 400.15-401 MHz licensee must notify the potentially-affected earth station operator Orbcomm License Corp (Mr. Walter H Sonnenfeldt, Phone no.: 585-461-3018 and Email: sonnenfeldt.walter@orbcomm.com) and obtain its written consent to the proposed operations.
- (7) Stop Buzzer: Tom McGowan, Phone No. (813) 785-7115.
- (8) Sonitus must notify the following licensees within 80 km of the test area:
- Paging Service licensees in 152 MHz
 - Paging Service licensees in 158 MHz
 - Paging Service licensees in 152 MHz/158 MHz
 - Paging Service licensees in 454MHz/459 MHz
 - General Aviation Air-Ground Service in 454 MHz/459 MHz
- (9) In the 88-108 MHz FM radio band, Sonitus may ONLY operate on the following frequencies:
- Channels 206 through 209 - 89.1 MHz to 89.7 MHz
 - Channel 213 - 90.5 MHz
 - Channel 222 - 92.3 MHz
 - Channels 226 and 227 - 93.1 MHz and 93.3 MHz
 - Channels 234 through 237 - 94.7 MHz to 95.3 MHz
 - Channels 241 through 247 - 96.1 MHz to 97.3 MHz
 - Channels 251 and 252 - 98.1 MHz and 98.3 MHz
 - Channel 256 - 99.1 MHz.