

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

EXPERIMENTAL  
(Nature of Service)

XT      FX  
(Class of Station)

WA8XAF  
(Call Sign)

1126-EX-ST-2026  
(File Number)

NAME Liquid Robotics 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:**

The purpose of this application is to support temporary integration testing and operational check of the AIS Transponders.

**Station Locations**

(1) Jessup (HOWARD), MD - NL 39-08-38; WL 76-48-21

**Frequency Information**

Jessup (HOWARD), MD - NL 39-08-38; WL 76-48-21

| Frequency           | Station Class | Emission Designator | Authorized Power    | Frequency Tolerance (+/-) |
|---------------------|---------------|---------------------|---------------------|---------------------------|
| 156.025-156.792 MHz | FX            | 16K0G1W             | 31 W (Output Power) |                           |
| 156.808-162.025 MHz | FX            | 16K0G1W             | 31 W (Output Power) |                           |

**Special Conditions:**

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) Stop Buzzer Point of Contact: Amanda KrywayCell, 571-910-9916

This authorization effective June 29, 2026 and  
will expire 3:00 A.M. EST January 21, 2027

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



**Special Conditions:**

- (3) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 50 miles of the contours of the testing area:
  - a) Paging Service licensees in 158 MHz
  - b) Mobile Service licensees in 152 MHz/158 MHz
- (4) Operations within the part 90 bands must comply with all applicable rules under part 90, including but not limited to, the requirements for protecting centralized trunked incumbents as specified in section 90.187.
- (5) Prior to commencing operations in the authorized frequency band(s), the experimental licensee must notify the potentially affected licensees below. The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should also include the testing parameters (e.g., specific location(s), frequency bands, antenna gain(s), antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test.

Frequency Bands: 161-163 MHz (Call sign S2103)

Licensee: ORBCOMM License Corp. Phone Number: 585-461-3018

ATTN: Mr. Walter H. Sonnenfeldt E-Mail: [sonnenfeldt.walter@orbcomm.com](mailto:sonnenfeldt.walter@orbcomm.com)

Frequency Bands: 156.0125-162.0375 MHz (E-s) (2nd Gen only) (Call sign S2110)

Licensee: Iridium Constellation LLC Phone Number: 202-230-4644

ATTN: Mr. Kara Azocar E-Mail: [kara.azocar@iridium.com](mailto:kara.azocar@iridium.com)

Frequency Bands: 161.9625-161.9875 MHz, 162.0125-162.0375 MHz (Call sign S2862, S2912)

Licensee: Planet Labs PBC Phone Number: 202-221-5402

ATTN: Mr. Danielle Pineros E-Mail: [compliance@planet.com](mailto:compliance@planet.com)

Frequency Bands: 161.9375-162.0375 MHz (Call sign S2946)

Frequency Bands: 130-183 MHz (VHS) 161.9625-161.9875 MHz (AIS

1)162.0125-162.0375 MHz (AIS 2) (Call sign S3213)

Licensee: Spire Global, Inc. Phone Number: 415-356-3400

ATTN: Ms Francisca Adeuyi E-Mail: [francisca.adeuyi@spire.com](mailto:francisca.adeuyi@spire.com)

Frequency Bands: 161.9625-161.9875 MHz (AIS 1)162.0125-162.0375 MHz (AIS 2) (Call sign S3042)

Licensee: HawkEye 360, Inc. Phone Number: 571-203-0360

ATTN: Mr. Michael Mineiro E-Mail: [michael.mineiro@he360.com](mailto:michael.mineiro@he360.com)

Frequency Bands: 156.0125-162.0375 MHz (Call sign S3054)

Licensee: Kineis, Phone Number: 202-416-6742

ATTN: Assia Bahri, E-Mail: [abahri@kineis.com](mailto:abahri@kineis.com)

Frequency Bands: 161.975 MHz (AIS 1), 162.025 MHz (AIS 2) (Call sign S3175)

Licensee: Sidus Space, Inc. Phone Number: 321-450-5633

ATTN: Ms Carol Craig, E-Mail: [carol.craig@sidusspace.com](mailto:carol.craig@sidusspace.com)

- (6) Licensee must not use any Public Safety frequencies as defined and listed under FCC Rule 90.20.
- (7) Licensee is not permitted to operate in the frequency 156.792-156.808 MHz.

**Special Conditions:**

- (8) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.