

Liquid Robotics Inc.
Submitted by:
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Why an Experimental License is Necessary:

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

Operation Description:

The SF162SV-T3 is a multi-function AIS Transponder that can operate as a Type 1, Type 2, or Type 3 AIS for A to N transponder. The SF162SV-T3 can transmit position, course, speed, and other custom data at a programmable variable transmit interval.

Frequency Data	
Transmit	156.025 – 162.025 MHz
Transmitter Data	
Transmitter Model	SF-162SV-T3
Transmitter Manufacturer	Shine Micro
Transmitter Power Output	2, 12.5, or 25 Watts
Antenna Data	
Antenna Gain	3 dBi Gain Omni Shakespeare 5250 Omni
Power ERP	31 Watts
Emission Data	
Emissions	16K0GXW

Table 1 – Equipment Data

Table (2) lists the locations/areas of operations, as well as the station class of the operation.

City	State	Latitude	Longitude	Radius (KM)	Station Type
Jessup	MD	39-08-38N	076-48-21W	1	Fixed

Table 2 – Location Data

Operation Period:

This testing will occur up to a 6 month period starting July 20, 2026 until WI2XRN can be modified to cover this location.

Stop Buzzer POC:

The “Stop Buzzer” point of contact is:
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