

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 Mobile Ad Hoc Networking System (MANET).

Operation Description:

Wave Relay is a Mobile Ad Hoc Networking System (MANET) designed to maintain connectivity on the move. It is a scalable, peer-to-peer network which provides data, video, and voice.

Frequency Data	
Transmit	2400-2482 MHz
Transmitter Data	
Transmitter Model	WR-BRD3-12-F MPU4-12
Transmitter Manufacturer	Persistent Systems
Transmitter Power Output	10.3 Watts WR-AMP-2400 Amp
Antenna Data	
Antenna Gain	4 dBi Gain Dipole Omni Persistent Systems WR-ANT-059 Persistent Systems ANT-2012
Power ERP	15.5 Watts
Emission Data	
Emissions	3M85G1D 7M7G1D 15M4G1D 32M5D1D

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 WI2XRK can be modified to cover this location.

Stop Buzzer POC:

The “Stop Buzzer” point of contact is:
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