

APPLICATION FOR EXPERIMENTAL AUTHORITY - Updated

Anduril Industries respectfully requests authority to operate Rada RPS-42, Rada RPS-82, Anduril Spyglass, and Echodyne Echoshield radars at a fixed location near Ashville, Ohio.

The radars would use the bands: 3300-3400 MHz, 15.7-17.2 GHz, and 15.7-16.6 GHz. Experimental operation of the radars would allow Anduril Industries to conduct radio research on the systems capabilities and further/better develop UAS systems for the US Department of War.

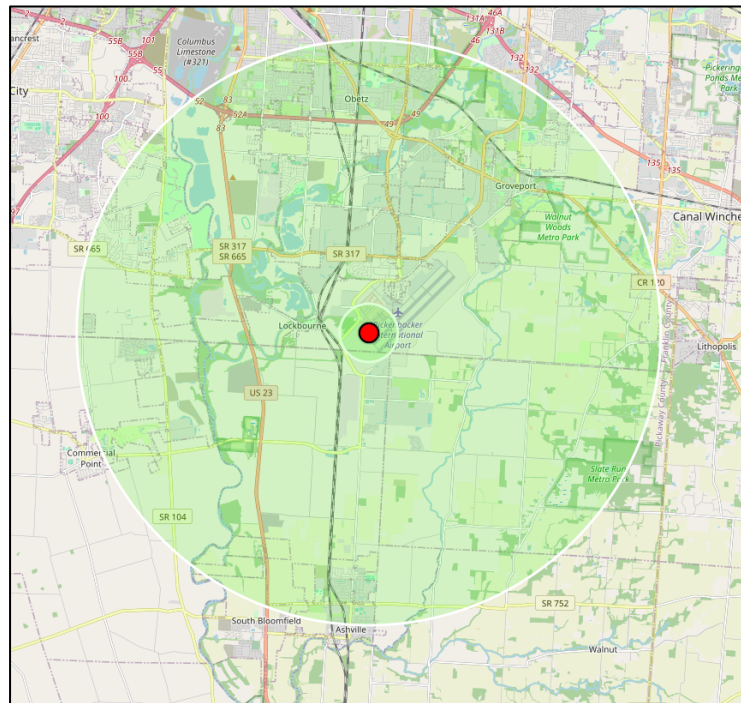
1. Company Background

Anduril Industries is a limited liability company specializing in technological innovation. Anduril Industries' address of record and Registration Number are as follows:

Anduril Industries
1400 Anduril
Costa Mesa, CA 92626
FRN: 0028824514

2. Station Location

Anduril Industries will conduct the proposed experiments at one site located near Ashville, Ohio at coordinates 39°48'25"N 82°56'45"W. The radars will be ground fixed at a height of less than 6 meters.



¹ See 47 C.F.R. § 5.115.

3. Frequencies & System

The radars would use the bands: 3300-3400 MHz, 15.7-17.2 GHz, and 15.7-16.6 GHz. The maximum bandwidth requested is 200 MHz in the 15.7 – 16.6 GHz range. Anduril will reduce bandwidth usage to the minimum possible for respective test effort. The vast majority of operations will be at a narrower bandwidth.

Anduril Industries will comply with any limitations applied to non-Federal users in these bands pursuant to the FCC Table of Frequency Allocations located at 47 C.F.R. § 2.106. Anduril Industries will operate with the minimum necessary power to conduct its operations and will not exceed the power levels specified in this application and will operate with the emissions, modulation techniques, and frequency ranges specified in this application.

4. Safety

Anduril Industries will comply with FCC rules and regulations regarding the operation of transmitting antennas. All power levels will comply with the limits set forth in the FCC's rules, including those relating to human exposure to radiofrequency radiation. In addition, all personnel who will operate the equipment are knowledgeable as to the effects of radiofrequency energy and will have the ability to control their exposure.

5. Interference Protection

In all locations, Anduril Industries recognizes that the operation of any equipment under experimental authority must not cause harmful interference to authorized facilities. Anduril Industries also recognizes that its proposed operations may require coordination with existing licensees authorized on the requested frequencies.

Anduril recognizes the location proximate to an airfield may be a sensitive area. This location was selected specifically for its use for flight operations of a fixed wing aircraft, and as such Anduril Industries recognizes the importance of aviation safety. Anduril Industries recognizes coordination will be required with the FAA in the FAA sensitive 15.7 – 16.4 GHz segment.

Anduril Industries will fully coordinate and operate on a non-interference, non-protected basis with anyone affected or reasonably likely to be affected. Should interference occur, Anduril Industries will take immediate steps to resolve the interference. For instance, it will operate on another authorized frequency, provided such frequency is not within the restricted frequencies set forth in 47 C.F.R. § 15.205, or it will discontinue operation.

6. Restrictions on Operation

¹ See 47 C.F.R. § 5.115.

Anduril Industries recognizes that permission to operate under FCC experimental authority confers no long-term rights. Anduril Industries does not propose to market, sell, or lease equipment to end users or conduct a market trial in conjunction with these operations.

7. Request for Waiver of Station Identification Requirements

Anduril Industries requests a waiver of the station-identification requirements in section 5.115 of the Commission's rules.¹ Grant of the requested waiver will promote the public interest by allowing Anduril Industries to determine the most effective operating capabilities of the equipment as part of this operation.

8. Technical and "Stop Buzzer" Contact Information

If Anduril Industries must terminate operations due to any interference concerns, the technical and "stop buzzer" point of contact is as follows:

James Miller

Anduril Industries

1400 Anduril

Costa Mesa, California 92626

Telephone: (949) 827-4993

Email: spectrum@anduril.com

For these reasons, Anduril Industries respectfully requests approval of experimental authority.

¹ See 47 C.F.R. § 5.115.