

APPLICATION FOR EXPERIMENTAL AUTHORITY

Anduril Industries respectfully requests authority to operate 2 NORA S1 and 2 NORA S2 Radar radars at locations near Grayling, Michigan.

The radios and radars would use the bands: 9400-10500 MHz and 16500-17700 MHz. Experimental operation of the radios and radars would allow Anduril Industries to characterize the systems' detection performance in a DoW exercise and assess radars' capabilities when paired with uncrewed aircraft systems and operational military systems.

1. Company & Event Background

Anduril Industries is a limited liability company specializing in technological innovation. This submission includes confidential and proprietary information related to technological advancements in radio communications. Anduril Industries' address of record and Registration Number are as follows:

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

The effort is pursuant to a US Government contract, GVSC/GVSP Crucible. POC information is:

GVSC/GVSP Crucible
David Zebron
david.t.zebron.civ@army.mil
571-588-8525

2. Station Location

At Camp Grayling — Crucible Sense-Off Site (Grayling, Michigan), Anduril Industries will operate radios and radars at coordinates 44-49-59.61 N, 84-37-08.05 W with an area of operations of 2 km radius around the center point. Operations at this site are a mixture of fixes and mobile (ground) — on-the-move demonstration. The mount height is three meters AGL.

3. Frequencies

The NORA radars would use the following bands: 9400-10500 MHz and 16500-17700 MHz.

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.

¹ See 47 C.F.R. § 5.115.

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

Anduril Industries is coordinating with Camp Grayling officials, who host the nearest aircraft landing site, as part of the operation.

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 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

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

¹ See 47 C.F.R. § 5.115.

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

Mitchel Schroeder

Phone: [657-764-3597](tel:657-764-3597)

Email: mschroeder@anduril.com

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

¹ See 47 C.F.R. § 5.115.