

APPLICATION FOR EXPERIMENTAL AUTHORITY

Anduril Industries respectfully requests authority to operate 4 Echodyne EchoGuard radars, and 5 Silvus Streamcaster 4200EP radios at a location near Odessa, Texas.

The radios and radars would use the bands: 24450-24650 MHz, 4440-4940 MHz. Experimental operation of the radios and radars would allow Anduril Industries to characterize the system's detection performance and communications capability in a limited Market Trial effort under Part 5.602.

All equipment is owned by Anduril Industries and leased to the trial participant for the purposes of the Market Trial. Upon completion of the trial, the equipment will be removed from the site pursuant to 5.602(e) and recovered by Anduril Industries as the licensee.

1. Company 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

2. Station Location

Near Odessa, Texas, Anduril Industries will operate radios and radars at coordinates 31-49-12 N, 102-20-06 W. The site is a fixed installation with an antenna height of 10 meters over the existing surface level.

¹ See 47 C.F.R. § 5.115.

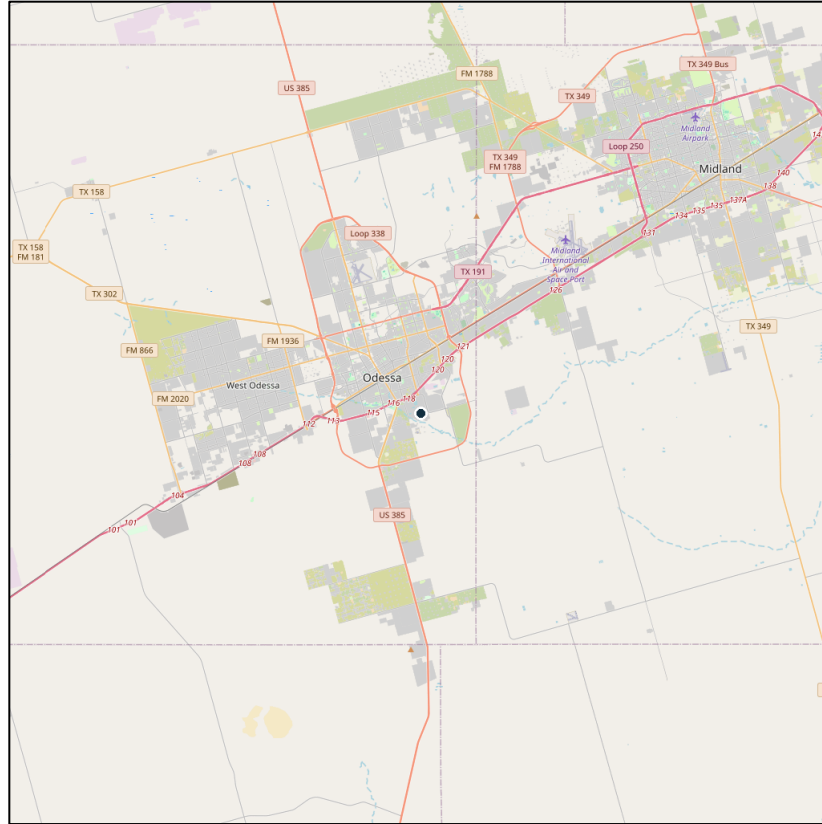


Figure 1. Area of operation

3. Frequencies

The Echodyne EchoGuard radios and radars would use 24450-24650 MHz and the Silvus radios would use 4440-4940 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. 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

¹ See 47 C.F.R. § 5.115.

The proposed test location is some distance from sensitive locations like the Odessa airport. However, 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 is conducting a market trial in conjunction with this operation, compliant with Part 5.602. Under 5.602(c) Anduril Industries will be the responsible party for the trial and install and operate the equipment leased to the participant as per 5.602(d)(2).

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.