

From: Stephan Dupourque

To: Travis Nguyen

Date: August 06, 2025

Subject: Request for Info - File # 0731-EX-CN-2025

Message:

1) Please confirm whether the platform is an Unmanned Aerial Vehicle (UAV) or a manned aerial system.
[GA-ASI] The platform will be Unmanned for El Mirage, CA, Ft Huachuca, AZ, and Dugway, UT locations. Platform will be manned for San Diego, CA location.

2) Provide the maximum altitude of flight (in feet AGL) during operation.
[GA-ASI] 25,000 ft MSL is our service ceiling altitude. For max altitude in AGL use the following for each location: Dugway, UT (20,000 ft AGL), El Mirage, CA (22,000 ft AGL), Ft Huachuca, AZ (20,000 ft AGL) and San Diego, CA (24,000 ft AGL).

3) Provide the Buzzer Point of Contact (POC) .
[GA-ASI] Chancie Pinkerton (858-239-5364) and Anna Malone (858-805-5543)

4) Provide details regarding RF radiation Area of Operation
[GA-ASI] The RF radiation area for the Synthetic Aperture Radar system will be confined to isolated and/or controlled testing areas/ranges. The radar emissions will be directed solely at surface objects located within these areas. All emissions will remain within these boundaries and will comply fully with FCC exposure and interference requirements.

5) In your description, you mentioned a 300 km area of operation; however, in the "Radius of Operation" field, you entered 463 km. Please clarify which value is accurate and ensure consistency across the application.
[GA-ASI] It should be 300 km radius of operation for all locations in application.

6) Operations under Part 5 must be conducted strictly on a non-interference basis, in accordance with Section 5.85(a) of the FCC rules. This means your operations must not cause harmful interference to existing authorized services and must cease immediately if such interference occurs. To ensure compliance, we kindly request that you provide a detailed interference mitigation plan.

[GA-ASI]

Interference Mitigation Plan

1. Controlled Test Environment

- All SAR operations will occur in restricted-access test ranges or isolated testing areas to minimize exposure to public and commercial RF systems.

- The RF radiation pattern is directional and ground-facing, and emissions will be confined to test site locations that are geographically isolated from major commercial spectrum users and population centers.

2. Frequency Coordination

- The SAR system will use frequencies that are assigned or coordinated to avoid overlap with nearby authorized emitters.

3. Immediate Shutdown Procedure

- The system will immediately cease transmissions upon detection or notification of interference to nearby authorized emitter

- If interference is detected or reported:

- ? Stop buzzer POC will immediately cease operations.

- ? The test team will evaluate and document the issue.

- ? FCC and/or affected parties will be notified if needed.

- The following stop buzzer POCs will be reachable during test operations to execution shutdown procedures

? Chancie Pinkerton (858-239-5364)
? Anna Malone (858-805-5543)