

PUBLIC INTEREST STATEMENT

1. Introduction

By the instant application (“Application”), Dynetics, Inc. (“Dynetics”) requests that the Commission grant a two year experimental license to permit Dynetics to operate the facilities (the “Facilities”) specified in the instant application.

2. Purpose and Nature of the Operation

Dynetics, headquartered in Huntsville, Alabama, delivers high-quality, high-value engineering, scientific, and information technology (IT) solutions to customers within the U.S. government and a range of other market segments. Dynetics delivers the "Power of Solutions," providing complete lifecycle analysis, engineering, and hardware, to support customer missions.

As a general matter, this experimental license is requested to support a US Government sponsored Science and Technology project to develop, test, and validate a surveillance radar. The applicable government contract information is as follows:

Customer/Agency:	AMRDEC
Government Contract No.:	W31P4Q-13-D-A002
Government POC:	Joel Booth; Joel.p.booth6.civ@mail.mil; (256) 842-9003

Dynetics will initially locate the radar at a fixed site on the roof of a Dynetics building in Cummings Research Park in Huntsville, AL. Note that there are superstructures on the building that higher than where the radar will be placed, so the radar is not the highest point on the building and would not itself be a hazard to aviation. When located on Dynetics property, the radar antenna will be below the top of nearby buildings, and in no event will the antenna extend more than 6m above the top of the building.

Later in the project, the radar will be relocated to a Redstone Arsenal test range for other tests. Test ranges on Redstone Arsenal are within restricted and controlled air space and within the specified radius of operation. When located on Redstone Arsenal, the radar will be located on established test ranges that have restricted and controlled airspace. For such transmissions, the tip of the antenna is not expected to be more than 6m above the ground or the top of any existing structure.

Additional confidential information regarding the purpose and nature of the experiment is contained at Confidential Exhibit 3.

Waiver of the Station ID rules set forth at Section 5.115 is respectfully requested.

A “No” reply has been inserted with respect to the question “Is a directional antenna (other than radar) used?” because the transmitter is a radar device. For the purposes of full disclosure, however, the following additional directionality information is provided:

Width of beam in degrees at the half power point:	Azimuth: 11 deg, elevation: 43 deg
Orientation in horizontal plane:	Any orientation relative to North
Orientation in vertical plane:	Variable, estimated 0-20 degrees elevation

3. Interference Mitigation

Dynetics is well aware of its obligations under Part 5 of the Commission’s rules to avoid interference to co-channel licensees in non-experimental services, and will take all steps to ensure compliance with this obligation. With respect to interference mitigation, Dynetics understands that FAA (or other government stakeholders) may restrict radiation to certain azimuth and/or elevation sectors in order to ensure that the proposed Facilities do not pose a threat of interference to adjacent emitters. Accordingly, this is to confirm that the subject radar device can be manually pointed to specific directions to mitigate interference and that Dynetics stands ready to work with FAA (or other government stakeholders) to identify any reasonably necessary orientation restrictions for the system.

4. Stop Buzzer.

Dynetics advises that the following will be available by wireless telephone and will act as “stop buzzers” if any issues regarding interference arise during testing:

Primary:	Mike Santy; (256) 653-2045
Secondary:	Aaron Woody; (618) 334-2970

For the foregoing reasons, Dynetics respectfully submits that approval of this Application is in the public interest, convenience and necessity.