

**Public Interest Statement**

**1. Introduction**

By the instant application (“Application”), Dynetics, Inc. (“Dynetics”) requests that the Commission grant Special Temporary Authority (“STA”) to permit Dynetics to operate the facilities (the “Facilities”) specified in the instant application from 01/15/2021 to 07/15/2021.

**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 US government and a range of other market segments. Dynetics, a Leidos company, is an engineering solutions provider for the defense, aerospace, and commercial industries since 1974.

An experimental license is requested to test a tracking and discrimination radar in support of US Government Contract# HR0011-17-9-0017.

Agency: DARPA  
Contract No.: HR0011-17-9-0017  
Government POC: David Worden  
david.worden.ctr@darpa.mil  
571-443-0633

Waiver of the station ID rules set forth in 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<br>the half power point: | Azimuth = 4°, elevation = 8°                |
| Orientation in horizontal plane:                     | Any orientation relative to North           |
| Orientation in vertical plane:                       | Less than +60 degree boresight in 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 Dynetics stands ready to work with FAA to identify any reasonably necessary 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:       Luke Zimmerman - 828.736.5227

Secondary:     Adam Wathen - 256.924.5915

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