

Exhibit 1

Dynetics, Inc. (“Dynetics”) requests modification of the Station WJ2XDH license to add four new locations for temporary fixed operations, as follows:

- .5km around the centerpoint 36-1-35 N.Lat.; 86-41-27 W.Long (near Franklin, TN)
- 1 km around the centerpoint 32-0-29 N.Lat.; 91-3-59 W.Long (Port Gibson, MS)
- 2 km around the centerpoint 37-5-16 N.Lat.; 76-22-59 W.Long (Langley AFB)
- .5 km around the centerpoint 33-53-26 N.Lat.; 84-28-19 W.Long (Atlanta, GA)

The operations at these new locations will continue to support Dynetics’ Internal Research and Development (IRAD) to develop, test and validate a ground surveillance radar.

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 for all locations:

Width of beam in degrees at the half power point:	Azimuth: 120 deg, elevation: 20 deg in all locations
Orientation in horizontal plane:	Any orientation relative to North in Huntsville, AL; 135 deg (SE) relative to North in Bartonville, IL; Any orientation relative to North near Franklin, TN, Port Gibson, MS, Langley AFB, VA, and Atlanta, GA
Orientation in vertical plane:	Fixed at 0 deg; level with horizon in all locations

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.

Additional confidential information regarding the purpose and nature of the experiment is contained at Confidential Exhibit 3, submitted on 06/15/2017 for File No. 0471-EX-CN-2017.

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: Michael Stokes (256-682-0342)
Secondary: Joel Simoneau (256-744-4514)

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