

August 10, 2018

Via Email

Mr. Daniel Nevius
COO & Co-Founder
Analytical Space, Inc.
501 Massachusetts Ave.
Cambridge, MA 02139
dan.nevius@analyticalspace.com

Re: Analytical Space, Inc. (“ASI”) Experimental Satellite Technology Demonstration with the Cyclone Global Navigation Satellite System (“CYGNSS”) Mission

Mr. Nevius,

This letter is to notify you that we approve of your experimental satellite, “Radix” - FCC Application File Number: 0044-EX-ST-2017; Call Sign: WL9XLY, conducting a technology demonstration by receiving and relaying signals from NASA’s CYGNSS mission. The purpose of the technology demonstration is to facilitate the development of ASI’s commercial satellite RF data relay services.

Specifically, the technology demonstration will consist of one or more passive-receive tests during regularly scheduled ground terminal passes. The CYGNSS team will provide you with notification of when our ground terminal passes will be so that you may schedule your receive-only tests. During those passes, Radix may receive the CYGNSS downlink signal, center frequency 2272.7 MHz, to test Radix’s ability to relay data from a satellite to the ground. Radix will not transmit to a CYGNSS satellite.

This approval is applicable for all eight satellites in the CYGNSS mission - International Code Designators: 2016-078A, 2016-078B, 2016-078C, 2016-078D, 2016-078E, 2016-078F, 2016-078G, 2016-078H. The CYGNSS team reserves the right to revoke this approval at any time.

As conditions of this test:

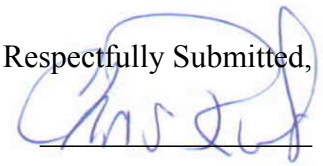
- ASI will notify the CYGNSS mission team when ASI will be receiving CYGNSS transmissions
- ASI will provide all CYGNSS data transmitted through the ASI system back to the CYGNSS mission team so it can be made public in accordance with the standard disclosure procedures of the CYGNSS mission
- Conduct of the technology demonstration does not give ASI any rights in or to CYGNSS data.
- ASI will be solely responsible for any costs associated with the technology demonstration. This approval does not constitute or anticipate the commitment of any resources in support of the technology demonstration by the CYGNSS Mission Team.

- ASI will be solely responsible for obtaining any approvals or licenses necessary to conduct the technology demonstration.

No funds shall be exchanged and this approval shall not serve as the CYGNSS team's endorsement of the capabilities of ASI or Radix. Additionally, ASI is solely responsible for verifying and validating the results of the demonstration. The CYGNSS Mission Team will not assess the performance of the test.

ASI is authorized to use and share the technical results of the technology demonstration. ASI is not authorized to refer to NASA or the CYGNSS Mission Team as a "partner" in the demonstration and ASI may not refer to NASA or the CYGNSS Mission Team in a way that creates the impression that ASI or the Radix technology has the support, sponsorship or endorsement of NASA or the CYGNSS Mission Team.

Respectfully Submitted,



Chris Ruf
CYGNSS Program Manager and Principal Investigator
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cc:

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