

National Aeronautics and Space Administration

**Mary W. Jackson NASA Headquarters**  
Washington, DC 20546-0001



Reply to Attn of: SMD/Astrophysics Division

Dear FCC,

This letter is to verify that the NASA Science Mission Directorate, Astrophysics Division, supports the launch and operations of the Supernova remnants and Proxies for ReIonization Testbed Experiment (SPRITE) CubeSat. We appreciate your assistance in providing the SPRITE team with the necessary broadcast license.

Dr. Brian Fleming is the Principal Investigator of the SPRITE mission. NASA is supporting SPRITE through the Astrophysics Division's Research and Analysis program (APRA). SPRITE is a 12U CubeSat observatory designed to study how gas and dust are processed by supernovae and how ionizing radiation escapes from galaxies to ionize the intergalactic medium. These efforts have important implications for the cosmological history of the Universe and the chemical and dynamical evolution of galaxies, key science questions within the NASA Astrophysics Division portfolio.

SPRITE will thus provide valuable data that contribute to NASA's broader astrophysics portfolio and scientific goals.

Sincerely,

*David C Morris*

David Morris  
Astrophysics Division Science Mission Directorate  
Program Scientist for APRA CubeSats