

عنوان مقاله:

.Design challenges and data of the first flight of CubeSat nanosatellite

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نویسنده:

Reza Alipour - Reseachre, Rezaalipour۱۲۵@yahoo.comr

خلاصه مقاله:

This article provides an overview of the Norby ۶U Cube Sat nanosatellite that was launched into low-Earth orbit on September ۲۸, ۲۰۲۰, and briefly describes Norby's design, the main specifications of its subsystems, and the results of its first flight and testing. The purpose of this article is to give a brief description of the NorbyNano satellite design, to present the main specifications of its subsystems, and to present the first flight test results. The current research method, sampling tool and virtual space, validation and final review and diagnostic analysis have been analyzed in this article. Overall, the first results of Norby flight tests confirm the effectiveness of the key technical solutions implemented in Norby's design. The LoRa satellite-to-ground radio channel has been stable in all tested parameters.

کلمات کلیدی:

Nanosatellite, CubeSat challenges, Nanosatellite design

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